ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์

ภาคผนวก ค-1

คุณภาพอากาศในบรรยากาศจากสถานีตรวจวัด
คุณภาพอากาศในบรรยากาศแบบต่อเนื่องถาวร
(Ambient Air Monitoring Station; AAQMS)

Station: **Kokdaeng**
Month: July **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/07/2022 00:00	2	8	2	2	3	1.0	18	21	1.1	230	28.8	78	750	1495	0
02/07/2022 00:00	2	10	1	1	2	1.0	17	20	1.2	232	28.4	80	751	1496	0
03/07/2022 00:00	3	9	2	2	2	1.0	18	22	1.4	208	28.5	82	750	1495	0
04/07/2022 00:00	3	13	2	1	3	1.1	19	21	1.2	207	28.4	83	750	1497	0
05/07/2022 00:00	2	17	2	1	5	1.1	22	25	1.1	178	28.1	88	750	1494	0
06/07/2022 00:00	2	18	2	1	6	1.1	20	22	1.2	235	29.0	81	752	1495	0
07/07/2022 00:00	3	20	2	1	3	1.1	25	27	1.4	236	28.8	78	752	1494	0
08/07/2022 00:00	2	14	2	1	5	1.1	21	26	1.9	220	28.2	79	751	1494	0
09/07/2022 00:00	7	12	1	2	4	1.0	18	20	1.8	204	27.4	87	751	1494	0
10/07/2022 00:00	4	10	1	1	2	1.0	16	19	2.0	238	27.8	82	750	1509	0
11/07/2022 00:00	5	7	2	1	3	0.9	19	21	1.8	257	27.0	88	751	1510	0
12/07/2022 00:00	6	9	2	1	2	0.8	20	22	2.2	232	26.3	87	749	1509	0
13/07/2022 00:00	2	8	1	1	2	0.9	16	20	2.5	278	26.0	86	750	1511	0
14/07/2022 00:00	2	16	2	1	3	1.0	23	26	1.0	231	28.3	79	749	1511	0
15/07/2022 00:00	2	18	3	2	5	1.0	28	34	1.0	196	29.1	79	751	1511	0
16/07/2022 00:00	3	12	3	2	5	1.0	25	29	1.2	204	29.7	79	751	1511	0
17/07/2022 00:00	2	13	2	1	5	1.0	20	22	1.1	228	28.4	83	752	1509	0
18/07/2022 00:00	2	17	2	2	3	1.0	27	29	1.3	236	29.8	77	751	1508	0
19/07/2022 00:00	2	17	2	1	3	1.0	24	28	1.4	231	29.6	76	750	1508	0
20/07/2022 00:00	2	18	2	1	3	1.0	19	23	1.1	196	27.9	87	750	1506	0
21/07/2022 00:00	3	16	3	1	6	1.0	11	14	1.3	187	26.1	94	752	1502	0
22/07/2022 00:00	4	15	3	2	5	1.0	15	18	1.4	170	27.6	87	753	1502	0
23/07/2022 00:00	3	18	3	2	5	1.0	17	20	0.9	158	26.1	95	753	1501	0
24/07/2022 00:00	2	10	2	1	3	1.0	19	21	1.0	174	28.0	83	752	1502	0
25/07/2022 00:00	3	21	2	1	4	1.0	19	23	0.8	73	27.5	89	753	1500	0
26/07/2022 00:00	4	42	2	1	3	1.1	33	36	0.7	80	28.4	89	753	1500	0
27/07/2022 00:00	3	25	3	2	6	1.1	32	37	1.1	175	29.4	81	752	1501	0
28/07/2022 00:00	5	27	3	1	6	1.0	21	24	0.7	165	27.7	90	752	1502	0
29/07/2022 00:00	5	22	2	1	5	1.0	27	32	0.9	195	29.6	81	752	1501	0
30/07/2022 00:00	8	16	3	2	8	1.0	24	27	1.1	188	29.7	82	751	1501	0
31/07/2022 00:00	10	22	2	1	3	1.0	18	21	1.4	220	28.4	85	751	1500	0
Minimum	2.0	7.0	1.0	1.0	2.0	0.8	11.0	14.0	0.7	73.0	26.0	76.0	749.0	1494.0	0.0
Maximum	10.0	42.0	3.0	2.0	8.0	1.1	33.0	37.0	2.5	278.0	29.8	95.0	753.0	1511.0	0.0
Avg	3.5	16.1	2.1	1.3	4.0	1.0	21.0	24.2	1.3	202.0	28.2	83.7	751.1	1502.2	0.0
Standard	**170** 2/	**170** 2/	**120** 1/	**300** 3/	**300** 3/	-	**120** 1/	**330** 1/	-	-	-	-	-	-	-

Standard

1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.

2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.

3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Nong-Gnu-Loem**
Month: July **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/07/2022 00:00	2	11	0	0	0	0.7	15	16	0.2	188	28.5	82	751	1539	0
02/07/2022 00:00	2	9	0	0	0	0.7	18	19	0.4	189	28.1	84	751	1540	0
03/07/2022 00:00	2	11	0	0	0	0.7	16	19	0.3	172	28.2	86	752	1539	0
04/07/2022 00:00	3	11	0	0	0	0.7	15	21	0.2	171	28.0	86	752	1539	0
05/07/2022 00:00	1	16	0	0	0	0.7	21	24	0.2	154	28.1	90	752	1539	0
06/07/2022 00:00	2	16	0	0	0	0.7	21	39	0.2	190	28.5	85	753	1539	0
07/07/2022 00:00	3	16	0	0	1	0.7	21	24	0.2	188	28.5	85	753	1539	0
08/07/2022 00:00	2	13	0	0	1	0.7	22	24	0.4	179	28.1	84	753	1539	0
09/07/2022 00:00	3	11	0	0	1	0.7	16	17	0.6	162	27.0	91	752	1539	0
10/07/2022 00:00	2	10	0	0	0	0.7	15	16	0.3	196	27.5	86	753	1539	0
11/07/2022 00:00	2	9	0	0	0	0.7	15	16	0.2	215	26.7	92	753	1538	0
12/07/2022 00:00	2	9	0	0	0	0.7	15	21	0.2	190	26.0	95	752	1538	0
13/07/2022 00:00	2	6	0	0	0	0.7	15	25	0.2	221	25.9	94	752	1538	0
14/07/2022 00:00	1	13	0	0	1	0.7	23	27	0.2	183	27.9	83	751	1538	0
15/07/2022 00:00	2	11	0	0	1	0.7	23	30	0.2	163	28.8	83	752	1539	0
16/07/2022 00:00	3	11	0	0	1	0.8	28	31	0.2	167	29.4	83	753	1539	0
17/07/2022 00:00	1	11	0	0	0	0.7	17	20	0.2	176	28.4	85	754	1539	0
18/07/2022 00:00	2	15	0	0	0	0.7	26	28	0.2	192	29.6	80	753	1538	0
19/07/2022 00:00	1	15	0	0	0	0.7	27	31	0.3	189	29.5	79	751	1539	0
20/07/2022 00:00	1	17	0	0	0	0.7	21	44	0.3	154	27.7	89	752	1538	0
21/07/2022 00:00	4	14	0	0	0	0.7	15	24	0.3	155	26.1	98	754	1538	0
22/07/2022 00:00	4	14	0	0	1	0.7	19	26	0.2	142	27.6	92	755	1538	0
23/07/2022 00:00	3	18	0	0	1	0.7	18	20	0.3	125	26.4	96	755	1538	0
24/07/2022 00:00	2	13	0	0	0	0.7	18	20	0.2	137	28.1	85	754	1538	0
25/07/2022 00:00	3	19	0	0	0	0.8	21	23	0.2	41	27.5	91	754	1538	0
26/07/2022 00:00	3	29	0	0	2	0.9	35	41	0.2	62	28.1	91	754	1538	0
27/07/2022 00:00	2	21	0	0	3	0.9	27	35	0.2	144	29.2	84	754	1538	0
28/07/2022 00:00	3	18	0	0	2	0.8	21	28	0.2	142	27.7	93	754	1538	0
29/07/2022 00:00	4	19	0	0	1	0.8	28	31	0.2	159	29.5	85	753	1538	0
30/07/2022 00:00	4	19	0	0	1	0.8	24	27	0.2	155	29.7	85	752	1538	0
31/07/2022 00:00	2	11	0	0	0	0.8	18	21	0.3	177	28.4	88	752	1538	0
Minimum	1.0	6.0	0.0	0.0	0.0	0.7	15.0	16.0	0.2	41.0	25.9	79.0	751.0	1538.0	0.0
Maximum	4.0	29.0	0.0	0.0	3.0	0.9	35.0	44.0	0.6	221.0	29.7	98.0	755.0	1540.0	0.0
Avg	2.4	14.1	0.0	0.0	0.5	0.7	20.5	25.4	0.2	163.8	28.0	87.4	752.8	1538.5	0.0
Standard	**170 2/**	**170 2/**	**120 1/**	**300 3/**	**300 3/**	**-**	**120 1/**	**330 1/**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard
1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.
2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.
3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Nong Lua**
Month: July **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/07/2022 00:00	4	14	0	0	1	0.8	19	27	2.2	181	28.4	79	750	1684	0
02/07/2022 00:00	3	14	1	0	1	0.9	19	23	2.3	184	28.1	81	750	1677	0
03/07/2022 00:00	6	15	0	0	1	0.9	19	27	2.4	165	28	82	751	1689	0
04/07/2022 00:00	5	13	1	0	1	0.9	18	26	2.1	166	28	83	751	1685	0
05/07/2022 00:00	5	19	1	0	1	0.8	19	28	1.9	143	27.8	87	752	1692	0
06/07/2022 00:00	3	14	1	0	1	0.8	19	27	1.5	181	28.7	80	753	1697	0
07/07/2022 00:00	6	12	1	0	1	0.9	22	31	1.8	190	28.5	77	753	1702	0
08/07/2022 00:00	4	17	1	0	1	0.9	23	29	2.4	171	28.0	78	753	1695	0
09/07/2022 00:00	4	15	0	0	1	0.8	13	21	2.3	154	26.7	88	752	1682	0
10/07/2022 00:00	4	16	1	0	1	0.9	16	26	2.0	193	27.3	82	752	1690	0
11/07/2022 00:00	5	10	0	0	1	0.9	17	20	1.4	228	26.8	87	752	1691	0
12/07/2022 00:00	5	14	1	0	1	1.1	25	31	1.0	194	26.0	90	752	1689	0
13/07/2022 00:00	8	12	0	0	1	1.1	15	23	2.1	220	26.0	82	751	1684	0
14/07/2022 00:00	7	14	1	0	1	0.9	17	22	1.7	180	27.6	80	750	1692	0
15/07/2022 00:00	5	16	0	0	1	0.8	21	26	1.1	165	28.6	81	751	1698	0
16/07/2022 00:00	7	13	0	0	1	0.9	20	24	0.8	181	29.2	79	752	1697	0
17/07/2022 00:00	6	15	1	0	1	0.8	25	28	1.3	200	28.2	80	751	1694	0
18/07/2022 00:00	6	15	1	1	1	1.0	21	24	2.1	212	29.4	79	750	1688	0
19/07/2022 00:00	5	12	1	1	1	0.8	19	22	2.3	210	29.3	80	750	1692	0
20/07/2022 00:00	5	15	0	0	1	0.8	22	25	1.5	191	27.7	81	750	1694	0
21/07/2022 00:00	6	17	1	0	1	0.9	24	26	2.1	198	26.1	80	750	1692	0
22/07/2022 00:00	7	16	0	0	1	1.0	26	30	1.5	181	27.4	84	749	1690	0
23/07/2022 00:00	8	18	1	0	1	0.8	26	29	1.2	28	26.2	82	750	1693	0
24/07/2022 00:00	6	20	0	0	1	0.8	25	28	1.1	210	27.9	80	749	1688	0
25/07/2022 00:00	9	19	1	1	1	1.0	27	29	1.4	228	27.5	79	750	1692	0
26/07/2022 00:00	7	18	1	0	1	1.1	28	30	1.8	215	27.8	81	750	1690	0
27/07/2022 00:00	6	15	0	0	1	1.1	30	33	2	182	29.1	82	750	1694	0
28/07/2022 00:00	5	16	1	1	1	1.1	22	26	2.5	176	27.7	79	751	1698	0
29/07/2022 00:00	5	15	1	0	1	1.0	28	31	1.8	168	29.4	77	752	1696	0
30/07/2022 00:00	7	15	1	1	1	1.0	25	30	1.9	193	29.6	80	750	1692	0
31/07/2022 00:00	9	12	1	1	1	1.0	18	24	2.2	192	28.3	81	750	1693	0
Minimum	3.0	10.0	0.0	0.0	1.0	0.8	13.0	20.0	0.8	28.0	26.0	77.0	749.0	1677.0	0.0
Maximum	9.0	20.0	1.0	1.0	1.0	1.1	30.0	33.0	2.5	228.0	29.6	90.0	753.0	1702.0	0.0
Avg	5.7	15.0	0.6	0.2	1.0	0.9	21.5	26.6	1.8	183.2	27.9	81.3	750.9	1691.3	0.0
Standard	**170** 2/	**170** 2/	**120** 1/	**300** 3/	**300** 3/	-	**120** 1/	**330** 1/	-	-	-	-	-	-	-

Standard
1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.
2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.
3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Tummasintusopha**
Month: July **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/07/2022 00:00	4	9	1	1	1	0.9	18	21	2.2	246	28.4	80	751	1583	0
02/07/2022 00:00	4	9	1	1	6	0.9	17	23	1.9	241	28	81	751	1586	0
03/07/2022 00:00	3	10	1	1	1	0.9	21	29	1.4	268	28.1	82	752	1577	0
04/07/2022 00:00	4	8	1	1	1	0.9	19	23	1.5	239	28	81	752	1560	0
05/07/2022 00:00	4	17	1	1	1	0.9	19	26	1.8	233	27.9	86	753	1556	0
06/07/2022 00:00	4	9	1	1	1	1.0	20	23	2.1	227	28.5	82	753	1558	0
07/07/2022 00:00	3	12	2	1	2	1.0	18	22	1.9	217	28.4	80	752	1558	0
08/07/2022 00:00	3	7	1	1	1	1.0	18	21	1.7	219	27.9	81	752	1558	0
09/07/2022 00:00	4	10	1	1	2	1.1	19	23	1.8	189	27.0	89	753	1558	0
10/07/2022 00:00	2	8	0	0	1	1.0	14	18	2.3	172	27.3	84	754	1558	0
11/07/2022 00:00	3	11	1	1	2	1.0	10	14	2.7	181	26.6	88	753	1560	0
12/07/2022 00:00	4	7	2	1	3	1.1	18	20	1.6	207	25.9	90	755	1578	0
13/07/2022 00:00	4	7	1	1	1	1.0	16	22	2.2	239	25.9	89	754	1597	0
14/07/2022 00:00	4	12	1	1	1	1.0	17	33	1.6	203	27.7	81	752	1591	0
15/07/2022 00:00	4	9	1	1	1	1.1	23	38	2.1	177	28.4	82	753	1587	0
16/07/2022 00:00	4	9	1	1	1	1.1	21	26	2.4	180	29.1	82	753	1583	0
17/07/2022 00:00	3	9	1	1	1	1.0	17	29	1.7	206	28.5	82	754	1583	0
18/07/2022 00:00	3	12	1	1	1	1.1	20	26	2.1	204	29.6	78	754	1578	0
19/07/2022 00:00	4	12	1	1	2	1.1	19	23	2.1	203	29.6	76	752	1576	0
20/07/2022 00:00	7	10	1	1	1	0.9	23	28	2.4	197	27.6	84	753	1578	0
21/07/2022 00:00	3	9	0	0	1	0.8	20	25	2.2	202	26.0	88	754	1568	0
22/07/2022 00:00	4	9	1	1	2	0.9	22	26	2.7	199	27.3	86	753	1562	0
23/07/2022 00:00	3	10	1	0	2	0.8	21	24	2.3	206	26.0	89	754	1560	0
24/07/2022 00:00	2	12	1	1	1	1.0	20	24	2.5	210	27.8	82	752	1558	0
25/07/2022 00:00	3	10	2	1	3	0.9	22	26	2.7	214	27.3	85	753	1556	0
26/07/2022 00:00	3	9	1	1	1	1.1	21	24	2.4	209	27.9	86	753	1554	0
27/07/2022 00:00	4	12	0	0	1	0.8	20	26	2.3	210	29.0	83	753	1556	0
28/07/2022 00:00	6	11	1	1	2	1.0	24	28	2.2	204	27.5	86	753	1548	0
29/07/2022 00:00	5	14	1	1	2	1.0	22	27	2.3	198	29.3	88	754	1546	0
30/07/2022 00:00	5	16	1	1	4	1.1	19	24	2.4	202	29.5	81	752	1544	0
31/07/2022 00:00	4	9	1	1	3	1.3	21	29	2.2	205	28.4	84	753	1546	0
Minimum	2.0	7.0	0.0	0.0	1.0	0.8	10.0	14.0	1.4	172.0	25.9	76.0	751.0	1544.0	0.0
Maximum	7.0	17.0	2.0	1.0	6.0	1.3	24.0	38.0	2.7	268.0	29.6	90.0	755.0	1597.0	0.0
Avg	3.8	10.3	1.0	0.9	1.7	1.0	19.3	24.9	2.1	209.9	27.9	83.7	752.9	1566.5	0.0
Standard	**170 2/**	**170 2/**	**120 1/**	**300 3/**	**300 3/**	**-**	**120 1/**	**330 1/**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard
1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.
2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.
3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Kokdaeng**
Month: August **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/08/2022 00:00	12	23	2	1	3	1.0	16	18	1.0	187	26.7	91	751	822	0
02/08/2022 00:00	15	30	3	2	6	1.0	13	15	1.3	172	26.2	94	751	821	0
03/08/2022 00:00	1	34	2	0	4	0.7	19	22	1.5	178	26.3	96	752	819	0
04/08/2022 00:00	0	6	1	0	3	0.3	14	15	1.4	244	27.3	85	753	828	0
05/08/2022 00:00	0	11	1	1	2	0.3	18	24	1.3	222	27.2	85	752	829	0
06/08/2022 00:00	7	11	2	1	6	0.7	22	25	1.4	203	28.0	83	750	831	0
07/08/2022 00:00	3	12	1	0	2	0.8	15	20	1.6	217	27.5	87	751	854	0
08/08/2022 00:00	2	14	1	1	3	0.6	13	15	0.6	200	25.1	98	753	856	0
09/08/2022 00:00	0	10	3	1	6	0.7	14	18	1.0	236	26.6	89	752	855	0
10/08/2022 00:00	0	8	2	0	2	0.6	17	22	1.5	262	28.8	76	750	853	0
11/08/2022 00:00	0	4	1	1	2	0.7	18	22	1.9	257	28.2	76	750	854	0
12/08/2022 00:00	2	6	1	0	2	0.6	16	25	1.2	219	26.7	85	752	857	0
13/08/2022 00:00	1	8	1	0	3	0.7	21	26	1.2	184	27.0	89	753	856	0
14/08/2022 00:00	2	7	2	1	3	0.6	21	27	0.7	222	29.3	77	752	855	0
15/08/2022 00:00	0	10	1	0	2	0.7	18	22	1.1	222	27.8	86	752	856	0
16/08/2022 00:00	0	9	1	0	2	0.4	10	13	1.9	241	28.1	81	751	854	0
17/08/2022 00:00	0	24	1	0	1	0.5	17	20	1.4	186	26.7	91	751	855	0
18/08/2022 00:00	0	16	1	0	1	0.6	21	23	1.3	236	28.4	81	752	860	0
19/08/2022 00:00	0	21	1	0	1	0.7	25	30	1.7	242	29.0	81	752	861	0
20/08/2022 00:00	0	16	1	1	2	0.6	28	30	1.0	231	27.4	87	751	852	0
21/08/2022 00:00	0	11	2	1	6	0.6	23	29	1.8	231	28.5	80	750	852	0
22/08/2022 00:00	0	11	1	0	2	0.7	22	27	1.3	214	28.2	82	751	855	0
23/08/2022 00:00	0	18	1	1	3	0.7	31	37	0.7	220	29.4	77	752	857	0
24/08/2022 00:00	0	16	1	1	2	0.8	34	45	1.0	200	30.0	83	751	853	0
25/08/2022 00:00	0	11	2	1	3	0.5	17	26	1.2	208	26.4	91	750	851	0
26/08/2022 00:00	0	12	2	1	5	0.5	15	21	1.6	174	24.3	98	752	854	0
27/08/2022 00:00	0	10	2	1	5	0.5	17	22	1.2	174	27.9	86	753	856	0
28/08/2022 00:00	0	28	1	1	1	0.8	20	28	0.8	142	29.0	84	752	851	0
29/08/2022 00:00	0	66	1	1	1	0.8	21	26	0.8	102	27.0	94	753	853	0
30/08/2022 00:00	2	46	2	1	6	0.6	27	33	0.8	73	28.3	85	753	854	0
31/08/2022 00:00	1	35	1	1	1	0.7	29	42	1.0	171	27.3	89	753	850	0
Minimum	0.0	4.0	1.0	0.0	1.0	0.3	10.0	13.0	0.6	73.0	24.3	76.0	750.0	819.0	0.0
Maximum	15.0	66.0	3.0	2.0	6.0	1.0	34.0	45.0	1.9	262.0	30.0	98.0	753.0	861.0	0.0
Avg	1.5	17.5	1.5	0.6	2.9	0.6	19.7	24.8	1.2	202.3	27.6	86.0	751.6	848.8	0.0
Standard	**170 2/**	**170 2/**	**120 1/**	**300 3/**	**300 3/**	**-**	**120 1/**	**330 1/**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard
1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.
2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.
3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Nong-Gnu-Loem**
Month: August **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/08/2022 00:00	3	13	0	0	0	0.7	16	17	0.4	152	26.6	95	753	1537	0
02/08/2022 00:00	3	12	0	0	0	0.7	20	25	0.4	139	26.4	97	753	1537	0
03/08/2022 00:00	3	11	0	0	1	0.7	14	16	0.2	146	27.4	93	754	1538	0
04/08/2022 00:00	3	10	0	0	1	0.5	30	31	0.3	169	26.4	92	755	1538	0
05/08/2022 00:00	2	11	1	0	2	0.4	17	23	0.4	181	27.2	89	754	1536	0
06/08/2022 00:00	3	11	2	0	3	0.4	25	28	0.3	159	28.4	85	752	1536	0
07/08/2022 00:00	1	11	1	0	3	0.4	17	19	0.4	173	27.5	92	753	1536	0
08/08/2022 00:00	1	11	0	0	2	0.3	15	16	0.2	156	25.3	99	755	1536	0
09/08/2022 00:00	2	10	1	0	2	0.3	14	19	0.3	192	26.6	93	754	1536	0
10/08/2022 00:00	1	9	1	0	2	0.4	20	22	0.3	218	28.5	83	752	1536	0
11/08/2022 00:00	1	18	2	0	4	0.4	17	20	0.6	213	28.1	84	752	1536	0
12/08/2022 00:00	1	12	1	0	2	0.3	18	29	0.2	175	26.6	91	754	1535	0
13/08/2022 00:00	1	16	1	0	2	0.4	27	32	0.2	140	27.0	93	755	1535	0
14/08/2022 00:00	1	13	0	0	2	0.5	23	27	0.2	178	28.9	82	754	1535	0
15/08/2022 00:00	1	11	1	0	4	0.4	20	22	0.4	178	27.5	90	754	1535	0
16/08/2022 00:00	1	11	0	0	2	0.4	12	15	0.3	184	27.5	86	753	1535	0
17/08/2022 00:00	2	13	0	0	1	0.4	17	18	0.2	153	27.1	92	753	1536	0
18/08/2022 00:00	1	12	1	0	4	0.4	18	20	0.2	192	28.4	82	753	1535	0
19/08/2022 00:00	1	13	1	0	3	0.5	23	26	0.4	194	28.9	82	753	1535	0
20/08/2022 00:00	2	9	0	0	1	0.4	22	25	0.2	185	27.6	91	753	1536	0
21/08/2022 00:00	1	10	0	0	1	0.4	23	28	0.5	188	28.4	85	752	1536	0
22/08/2022 00:00	3	14	1	0	3	0.5	22	24	0.2	169	28.4	82	753	1536	0
23/08/2022 00:00	1	15	0	0	3	0.5	34	36	0.2	166	29.2	79	754	1535	0
24/08/2022 00:00	1	17	0	0	1	0.5	31	37	0.2	157	29.7	86	752	1535	0
25/08/2022 00:00	1	16	1	0	7	0.3	15	16	0.3	159	26.9	94	752	1536	0
26/08/2022 00:00	4	14	0	0	0	0.3	13	18	0.4	141	25.0	98	754	1535	0
27/08/2022 00:00	1	11	0	0	2	0.3	17	21	0.2	144	28.1	87	755	1535	0
28/08/2022 00:00	2	11	0	0	1	0.3	20	24	0.2	103	28.9	85	754	1535	0
29/08/2022 00:00	2	14	0	0	3	0.4	21	26	0.2	75	26.9	95	755	1536	0
30/08/2022 00:00	4	20	0	0	4	0.4	30	34	0.1	45	28.0	88	755	1535	0
31/08/2022 00:00	3	17	0	0	0	0.4	24	28	0.2	130	27.0	93	755	1535	0
Minimum	1.0	9.0	0.0	0.0	0.0	0.3	12.0	15.0	0.1	45.0	25.0	79.0	752.0	1535.0	0.0
Maximum	4.0	20.0	2.0	0.0	7.0	0.7	34.0	37.0	0.6	218.0	29.7	99.0	755.0	1538.0	0.0
Avg	1.8	12.8	0.5	0.0	2.1	0.4	20.5	23.9	0.3	159.8	27.6	89.1	753.5	1535.7	0.0
Standard	**170 2/**	**170 2/**	**120 1/**	**300 3/**	**300 3/**	**-**	**120 1/**	**330 1/**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard
1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.
2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.
3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Nong Lua**
Month: August **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/08/2022 00:00	3	14	1	0	1	1.1	18	29	1.7	142	25.7	94	752	1675	0
02/08/2022 00:00	3	11	1	1	1	0.6	13	20	2.5	128	26.1	95	753	1667	0
03/08/2022 00:00	3	11	1	0	1	0.6	16	21	2.6	134	27.1	90	754	1677	0
04/08/2022 00:00	4	10	1	1	1	0.6	14	24	1.5	188	27.4	83	754	1678	0
05/08/2022 00:00	4	13	1	1	1	0.6	18	26	1.7	168	27.0	83	754	1673	0
06/08/2022 00:00	3	14	1	1	1	0.7	27	41	1.9	145	27.9	81	752	1663	0
07/08/2022 00:00	4	12	1	1	1	0.6	20	26	2.1	159	27.4	85	752	1661	0
08/08/2022 00:00	4	13	1	1	1	0.6	13	16	1.1	152	25.0	98	754	1671	0
09/08/2022 00:00	4	14	1	1	1	0.6	14	21	1.5	189	26.5	87	754	1672	0
10/08/2022 00:00	4	8	1	1	1	0.6	19	25	2.0	218	28.7	74	752	1657	0
11/08/2022 00:00	4	18	1	1	1	0.7	18	25	2.4	205	28.1	74	752	1658	0
12/08/2022 00:00	4	10	1	1	1	0.7	18	26	1.7	173	26.6	83	753	1670	0
13/08/2022 00:00	2	12	1	1	1	0.8	25	30	1.7	133	26.9	87	754	1678	0
14/08/2022 00:00	2	10	1	1	1	0.7	21	37	1.2	177	29.2	75	754	1679	0
15/08/2022 00:00	3	11	1	1	1	0.8	23	22	1.6	175	27.7	84	753	1673	0
16/08/2022 00:00	3	11	1	1	1	0.7	15	24	2	170	27.2	82	752	1665	0
17/08/2022 00:00	5	14	1	1	1	0.7	17	22	2.7	139	26.7	86	753	1668	0
18/08/2022 00:00	3	13	1	1	1	0.8	21	30	1.8	184	28.4	75	753	1671	0
19/08/2022 00:00	3	13	1	1	1	0.8	30	39	1.8	187	29.0	78	753	1669	0
20/08/2022 00:00	3	11	1	1	1	0.8	24	32	1.5	175	27.6	82	752	1662	0
21/08/2022 00:00	3	11	1	1	1	0.8	20	29	2.6	177	28.3	76	751	1656	0
22/08/2022 00:00	3	11	1	1	1	0.8	20	33	2.1	165	28.1	80	753	1666	0
23/08/2022 00:00	2	11	1	1	1	0.8	32	39	1.1	164	29.2	75	753	1672	0
24/08/2022 00:00	3	14	1	1	1	0.8	37	52	1.6	151	29.8	80	752	1665	0
25/08/2022 00:00	4	10	1	1	1	0.7	18	23	2	160	26.4	87	752	1659	0
26/08/2022 00:00	5	11	1	1	1	0.6	18	20	2.7	128	24.4	96	753	1667	0
27/08/2022 00:00	1	13	1	1	1	0.5	17	27	2.3	132	27.7	84	754	1658	0
28/08/2022 00:00	2	9	1	1	1	0.6	18	27	1	95	28.9	81	754	1655	0
29/08/2022 00:00	3	10	1	1	1	0.6	23	34	0.7	51	27.0	91	754	1661	0
30/08/2022 00:00	6	16	1	1	1	0.6	29	43	0.5	0	28.3	83	755	1662	0
31/08/2022 00:00	3	15	1	1	1	0.6	30	37	1.3	123	27.0	88	754	1656	0
Minimum	1.0	8.0	1.0	0.0	1.0	0.5	13.0	16.0	0.5	0.0	24.4	74.0	751.0	1655.0	0.0
Maximum	6.0	18.0	1.0	1.0	1.0	1.1	37.0	52.0	2.7	218.0	29.8	98.0	755.0	1679.0	0.0
Avg	3.3	12.1	1.0	0.9	1.0	0.7	20.8	29.0	1.8	151.2	27.5	83.8	753.1	1666.6	0.0
Standard	**170 2/**	**170 2/**	**120 1/**	**300 3/**	**300 3/**	**-**	**120 1/**	**330 1/**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard
1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.
2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.
3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Tummasintusopha**
Month: August **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/08/2022 00:00	4	8	1	1	2	1.1	14	23	2.1	172	26.3	89	753	1558	0
02/08/2022 00:00	2	13	1	0	1	0.7	13	24	2.1	154	25.7	89	754	1543	0
03/08/2022 00:00	3	8	0	0	1	0.3	14	35	1.9	159	27.2	91	755	1558	0
04/08/2022 00:00	2	6	0	0	0	0.3	13	22	0.8	201	27.6	91	755	1563	0
05/08/2022 00:00	4	10	0	0	0	0.3	13	26	0.9	188	27	95	754	1558	0
06/08/2022 00:00	4	10	0	0	1	0.4	21	26	1	166	27.9	92	753	1545	0
07/08/2022 00:00	3	9	0	0	0	0.3	14	24	1.2	181	27.4	98	753	1561	0
08/08/2022 00:00	3	8	0	0	0	0.3	12	18	0.5	171	25	99	754	1567	0
09/08/2022 00:00	4	8	0	0	0	0.3	12	21	0.7	208	26.4	98	754	1552	0
10/08/2022 00:00	4	8	0	0	1	0.3	15	22	1	232	28.6	91	752	1558	0
11/08/2022 00:00	3	17	0	0	0	0.3	20	24	1.4	222	28	94	753	1566	0
12/08/2022 00:00	3	8	0	0	1	0.3	14	22	0.9	193	26.5	96	754	1576	0
13/08/2022 00:00	3	15	0	0	0	0.3	16	21	0.9	154	26.8	97	755	1589	0
14/08/2022 00:00	3	10	0	0	0	0.4	19	27	0.5	189	29	88	755	1589	0
15/08/2022 00:00	3	10	0	0	0	0.4	15	21	1	193	27.6	94	754	1588	0
16/08/2022 00:00	3	8	0	0	0	0.3	21	23	1.2	190	27.3	94	754	1582	0
17/08/2022 00:00	4	12	0	0	0	0.3	13	21	1.8	163	26.7	99	754	1595	0
18/08/2022 00:00	2	10	0	0	1	0.4	22	23	1	202	28.2	90	754	1594	0
19/08/2022 00:00	3	9	0	0	0	0.5	17	21	1	205	28.8	88	754	1571	0
20/08/2022 00:00	3	7	0	0	0	0.4	20	25	0.7	195	27.5	97	753	1567	0
21/08/2022 00:00	3	9	0	0	0	0.4	20	23	1.7	198	28.2	91	752	1557	0
22/08/2022 00:00	3	9	0	0	0	0.4	16	20	1.6	185	28.0	89	754	1569	0
23/08/2022 00:00	3	11	0	0	1	0.4	24	32	0.4	179	29.1	86	754	1564	0
24/08/2022 00:00	4	13	0	0	0	0.5	30	42	1	174	29.7	91	753	1555	0
25/08/2022 00:00	3	12	0	0	0	0.4	16	22	1.4	181	26.4	99	753	1567	0
26/08/2022 00:00	5	11	0	0	0	0.4	14	22	2.1	151	24.4	100	754	1561	0
27/08/2022 00:00	3	11	0	0	0	0.4	17	21	1.3	156	27.6	96	755	1581	0
28/08/2022 00:00	4	11	0	0	0	0.4	24	25	0.3	116	28.7	93	755	1583	0
29/08/2022 00:00	4	11	0	0	1	0.5	18	23	0.6	57	26.9	99	755	1586	0
30/08/2022 00:00	6	18	0	0	1	0.5	24	28	0.3	32	28.3	91	756	1581	0
31/08/2022 00:00	7	14	0	0	1	0.5	26	29	0.7	146	27.0	96	755	1588	0
Minimum	2.0	6.0	0.0	0.0	0.0	0.3	12.0	18.0	0.3	32.0	24.4	86.0	752.0	1543.0	0.0
Maximum	7.0	18.0	1.0	1.0	2.0	1.1	30.0	42.0	2.1	232.0	29.7	100.0	756.0	1595.0	0.0
Avg	3.5	10.5	0.1	0.0	0.4	0.4	17.6	24.4	1.1	171.4	27.4	93.6	754.0	1570.1	0.0
Standard	**170 2/**	**170 2/**	**120 1/**	**300 3/**	**300 3/**	**-**	**120 1/**	**330 1/**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard
1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.
2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.
3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Kokdaeng**
Month: September **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/09/2022 00:00	0	16	2	1	4	0.6	27	32	0.9	199	29	81	753	845	0
02/09/2022 00:00	1	27	1	1	1	0.6	38	50	0.6	36	29.4	86	753	845	0
03/09/2022 00:00	2	36	1	1	2	0.5	28	39	1.2	182	29.8	79	752	842	0
04/09/2022 00:00	3	16	1	1	3	0.7	22	34	2.3	206	28.3	86	755	849	0
05/09/2022 00:00	2	18	2	1	4	0.7	18	22	2.3	185	27.2	90	754	854	0
06/09/2022 00:00	2	22	1	1	2	0.7	16	24	1.6	197	28.1	84	755	852	0
07/09/2022 00:00	4	12	1	0	2	0.8	18	25	1.4	199	27	92	756	859	0
08/09/2022 00:00	2	19	1	1	3	0.7	17	22	1.4	324	25.8	94	756	857	0
09/09/2022 00:00	1	16	1	0	2	0.7	12	21	1.1	211	27.4	86	755	859	0
10/09/2022 00:00	0	14	2	1	4	0.8	16	22	1.6	305	27.8	85	755	862	0
11/09/2022 00:00	2	12	1	1	2	0.7	21	30	1.3	10	28.1	86	756	861	0
12/09/2022 00:00	2	18	1	0	3	0.8	24	32	1.4	145	27.7	88	756	855	0
13/09/2022 00:00	3	12	1	1	2	0.7	16	22	1.4	183	28.4	89	756	860	0
14/09/2022 00:00	4	14	1	1	2	0.7	20	30	1.8	194	28.1	86	755	861	0
15/09/2022 00:00	3	19	1	1	3	0.7	23	30	0.9	227	29	81	753	841	0
16/09/2022 00:00	7	20	1	1	2	0.7	18	30	1.5	241	28.7	81	752	837	0
17/09/2022 00:00	2	17	1	1	1	0.7	20	28	2.4	195	28.2	83	754	847	0
18/09/2022 00:00	8	12	2	1	3	0.8	14	20	2.3	170	27.1	90	755	852	0
19/09/2022 00:00	1	14	1	0	2	0.7	18	21	0.8	216	27.3	87	756	858	0
20/09/2022 00:00	2	18	1	1	2	0.8	19	24	1.3	230	27.8	84	756	848	0
21/09/2022 00:00	2	21	1	1	1	0.7	24	30	1.2	48	27.6	89	754	849	0
22/09/2022 00:00	2	20	1	1	2	0.9	20	30	0.9	79	27.2	88	754	846	0
23/09/2022 00:00	2	18	2	1	3	0.8	18	26	1.2	27	26.7	90	755	854	0
24/09/2022 00:00	3	17	1	1	2	0.8	22	32	1.1	116	27.9	89	754	848	0
25/09/2022 00:00	2	19	1	1	2	0.8	14	23	1.6	152	26.2	94	755	853	0
26/09/2022 00:00	2	21	1	0	2	0.9	15	21	1.2	129	25	96	756	852	0
27/09/2022 00:00	4	22	1	1	1	1	17	26	1.1	290	27	91	756	847	0
28/09/2022 00:00	7	21	1	1	2	1.2	15	21	1	327	26.5	93	750	834	0
29/09/2022 00:00	7	23	1	1	1	1	16	23	1.9	276	24.6	100	749	833	0
30/09/2022 00:00	9	29	1	1	3	1.1	20	29	1.3	199	26.7	93	750	838	0
Minimum	0.0	12.0	1.0	0.0	1.0	0.5	12.0	20.0	0.6	10.0	24.6	79.0	749.0	833.0	0.0
Maximum	9.0	36.0	2.0	1.0	4.0	1.2	38.0	50.0	2.4	327.0	29.8	100.0	756.0	862.0	0.0
Avg	3.0	18.8	1.2	0.8	2.3	0.8	19.5	27.3	1.4	183.3	27.5	88.0	754.2	849.9	0.0
Standard	**170 2/**	**170 2/**	**120 1/**	**300 3/**	**300 3/**	**-**	**120 1/**	**330 1/**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard
1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.
2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.
3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Nong-Gnu-Loem**
Month: September **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/09/2022 00:00	3	18	1	0	4	0.4	29	36	0.1	160	28.8	84	754	1535	1
02/09/2022 00:00	2	17	1	0	3	0.4	32	39	0.1	10	29.1	89	754	1535	1
03/09/2022 00:00	3	16	1	0	3	0.4	22	29	0.2	146	29.7	83	753	1535	1
04/09/2022 00:00	2	12	2	0	5	0.3	19	22	0.3	163	28.1	88	754	1535	1
05/09/2022 00:00	3	20	1	0	2	0.3	16	19	0.2	146	27	94	755	1536	1
06/09/2022 00:00	3	12	1	0	4	0.4	20	22	0.2	153	28.2	85	754	1535	1
07/09/2022 00:00	2	16	1	0	5	0.4	16	18	0.2	128	26.8	95	755	1535	1
08/09/2022 00:00	2	13	2	1	3	0.4	16	22	0.2	282	25.6	98	756	1536	1
09/09/2022 00:00	2	19	0	0	2	0.4	16	22	0.1	106	27.5	89	756	1535	1
10/09/2022 00:00	1	6	0	0	3	0.3	13	20	0.2	259	27.6	87	756	1535	1
11/09/2022 00:00	2	9	1	0	4	0.4	22	23	0.2	20	27.9	88	755	1535	1
12/09/2022 00:00	2	22	2	0	6	0.4	20	23	0.1	57	27.8	91	755	1535	1
13/09/2022 00:00	2	16	2	0	4	0.5	28	41	0.1	83	28.2	91	755	1536	1
14/09/2022 00:00	3	17	1	0	2	0.4	22	23	0.2	152	27.9	88	756	1535	1
15/09/2022 00:00	2	17	1	0	4	0.4	16	23	0.2	181	28.5	83	755	1535	1
16/09/2022 00:00	2	12	0	0	2	0.3	13	18	0.5	190	28.5	83	753	1535	1
17/09/2022 00:00	3	13	1	0	2	0.3	20	25	0.2	155	28.3	86	753	1535	1
18/09/2022 00:00	3	15	1	0	5	0.4	15	21	0.2	130	26.9	95	755	1535	1
19/09/2022 00:00	2	10	0	0	0	0.3	19	40	0.3	167	27.1	89	755	1535	1
20/09/2022 00:00	2	12	0	0	2	0.4	22	23	0.2	191	27.9	86	754	1535	1
21/09/2022 00:00	1	17	0	0	3	0.4	21	22	0.2	28	27.4	91	754	1535	1
22/09/2022 00:00	2	18	1	0	4	0.4	19	23	0.2	38	27	92	754	1535	1
23/09/2022 00:00	2	19	2	0	4	0.4	18	22	0.2	7	26.8	92	754	1535	1
24/09/2022 00:00	2	19	1	0	3	0.4	19	21	0.2	102	27.7	91	754	1535	1
25/09/2022 00:00	3	16	0	0	2	0.4	20	21	0.2	105	26	98	754	1536	1
26/09/2022 00:00	5	14	0	0	1	0.4	19	28	0.3	90	25.1	99	756	1536	1
27/09/2022 00:00	1	10	0	0	2	0.4	18	19	0.2	265	26.8	93	754	1535	1
28/09/2022 00:00	1	9	0	0	2	0.4	16	19	0.2	309	26.6	95	752	1536	1
29/09/2022 00:00	2	11	0	0	1	0.4	12	14	0.3	222	25	99	752	1535	1
30/09/2022 00:00	4	15	0	0	1	0.4	18	21	0.2	162	27	95	752	1536	1
Minimum	1.0	6.0	0.0	0.0	0.0	0.3	12.0	14.0	0.1	7.0	25.0	83.0	752.0	1535.0	1.0
Maximum	5.0	22.0	2.0	1.0	6.0	0.5	32.0	41.0	0.5	309.0	29.7	99.0	756.0	1536.0	1.0
Avg	2.3	14.7	0.8	0.0	2.9	0.4	19.2	24.0	0.2	140.2	27.4	90.6	754.3	1535.2	1.0
Standard	**170** 2/	**170** 2/	**120** 1/	**300** 3/	**300** 3/	-	**120** 1/	**330** 1/	-	-	-	-	-	-	-

Standard

1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.

2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.

3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Nong Lua**
Month: September **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/09/2022 00:00	3	12	1	1	1	0.6	28	42	0.9	163	28.7	79	754	1658	0
02/09/2022 00:00	3	16	1	1	1	0.7	36	46	0.7	259	29.4	80	754	1657	0
03/09/2022 00:00	2	15	1	1	1	0.6	25	33	2.2	137	29.2	77	753	1651	0
04/09/2022 00:00	2	12	1	1	1	0.6	19	23	1.9	154	27.9	83	754	1655	0
05/09/2022 00:00	4	14	1	1	1	0.6	19	26	1.9	133	26.5	88	754	1658	0
06/09/2022 00:00	3	12	1	1	1	0.6	19	27	1.2	145	28	82	754	1658	0
07/09/2022 00:00	3	9	1	1	1	0.7	23	31	1	147	26.9	90	755	1663	0
08/09/2022 00:00	4	10	1	1	1	0.8	14	17	1	272	25.7	95	755	1663	0
09/09/2022 00:00	3	7	1	1	1	0.7	16	24	0.7	159	27.5	83	755	1663	0
10/09/2022 00:00	2	7	1	1	1	0.6	17	20	1.2	253	28	82	755	1668	0
11/09/2022 00:00	3	8	1	1	1	0.6	19	28	0.9	318	28.2	83	755	1665	0
12/09/2022 00:00	3	8	1	1	1	0.7	24	31	1	93	27.7	86	755	1661	0
13/09/2022 00:00	2	10	1	1	1	0.7	34	48	1	131	28.2	85	755	1664	0
14/09/2022 00:00	2	14	1	1	1	0.7	25	35	1.6	142	27.8	84	755	1667	0
15/09/2022 00:00	2	12	1	1	1	0.7	36	42	1.7	170	28.7	78	754	1659	0
16/09/2022 00:00	3	14	1	1	1	0.8	26	37	2.1	184	28.7	75	753	1647	0
17/09/2022 00:00	4	11	1	1	1	0.6	16	23	2.2	143	27.9	83	753	1651	0
18/09/2022 00:00	4	9	1	1	1	0.5	15	23	2.1	118	26.3	91	754	1658	0
19/09/2022 00:00	3	11	1	1	2	0.6	32	51	1.6	164	27.2	86	755	1662	0
20/09/2022 00:00	2	9	1	1	1	0.6	35	43	1.1	178	27.8	83	754	1654	0
21/09/2022 00:00	2	9	1	1	1	0.5	20	29	0.9	356	27.7	85	753	1653	0
22/09/2022 00:00	2	14	1	1	1	0.6	24	29	0.7	27	27	86	753	1652	0
23/09/2022 00:00	3	16	1	1	1	0.5	15	23	0.8	335	26.7	86	754	1658	0
24/09/2022 00:00	2	8	1	1	1	0.5	21	28	0.8	64	27.8	85	753	1654	0
25/09/2022 00:00	2	8	1	1	1	0.5	15	18	1.5	100	25.7	95	754	1657	0
26/09/2022 00:00	4	9	1	1	1	0.5	17	27	0.8	77	24.8	99	754	1658	0
27/09/2022 00:00	3	10	1	1	1	0.7	34	49	0.9	238	27	86	753	1651	0
28/09/2022 00:00	2	8	1	1	1	0.5	13	17	1	263	26.9	89	751	1635	0
29/09/2022 00:00	5	10	1	1	1	0.8	28	32	1.7	223	24.8	97	750	1621	0
30/09/2022 00:00	5	15	1	1	1	0.5	20	23	2.3	150	26.8	89	752	1636	0
Minimum	2.0	7.0	1.0	1.0	1.0	0.5	13.0	17.0	0.7	27.0	24.8	75.0	750.0	1621.0	0.0
Maximum	5.0	16.0	1.0	1.0	2.0	0.8	36.0	51.0	2.3	356.0	29.4	99.0	755.0	1668.0	0.0
Avg	2.9	10.9	1.0	1.0	1.0	0.6	22.8	30.8	1.3	176.5	27.4	85.7	753.8	1655.2	0.0
Standard	**170** 2/	**170** 2/	**120** 1/	**300** 3/	**300** 3/	**-**	**120** 1/	**330** 1/	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard

1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.

2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.

3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Tummasintusopha**
Month: September **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/09/2022 00:00	5	12	0	0	0	0.5	25	27	0.4	182	28.7	90	755	1605	0
02/09/2022 00:00	5	15	0	0	1	0.5	28	30	0.3	351	29.4	93	755	1642	0
03/09/2022 00:00	4	13	0	0	0	0.5	22	31	1.3	157	29.2	94	754	1590	0
04/09/2022 00:00	4	13	0	0	0	0.4	21	23	1.3	172	27.9	94	755	1599	0
05/09/2022 00:00	4	16	0	0	0	0.4	17	18	1.4	157	26.5	99	755	1607	0
06/09/2022 00:00	3	9	0	0	1	0.4	12	26	0.6	171	27.9	93	755	1619	0
07/09/2022 00:00	3	13	0	0	0	0.5	19	22	0.5	138	26.8	98	755	1614	0
08/09/2022 00:00	4	9	0	0	0	0.5	11	19	0.7	300	25.6	99	756	1611	0
09/09/2022 00:00	4	17	0	0	0	0.5	17	30	0.3	182	27.5	94	756	1607	0
10/09/2022 00:00	3	8	0	0	0	0.4	13	15	0.7	279	28	89	756	1601	0
11/09/2022 00:00	3	8	0	0	1	0.4	20	22	0.5	352	28.3	91	756	1609	0
12/09/2022 00:00	4	15	0	0	0	0.5	15	21	0.3	37	28	93	756	1622	0
13/09/2022 00:00	5	15	0	0	1	0.5	28	33	0.3	52	28.4	94	756	1632	0
14/09/2022 00:00	4	19	0	0	0	0.5	20	25	0.7	162	27.8	95	756	1630	0
15/09/2022 00:00	4	17	0	0	0	0.5	17	23	0.8	194	28.9	88	755	1619	0
16/09/2022 00:00	3	10	0	0	0	0.5	14	20	1.2	203	28.6	89	754	1610	0
17/09/2022 00:00	4	12	0	0	0	0.5	14	17	1.3	161	27.8	95	754	1613	0
18/09/2022 00:00	3	15	0	0	0	0.4	19	22	1	144	26.3	99	755	1604	0
19/09/2022 00:00	3	7	0	0	0	0.4	16	19	1	175	27.2	92	756	1605	0
20/09/2022 00:00	4	13	0	0	1	0.5	23	28	0.5	218	28.3	89	755	1608	0
21/09/2022 00:00	4	15	0	0	1	0.5	16	22	0.6	21	27.8	94	754	1607	0
22/09/2022 00:00	4	17	0	0	1	0.5	18	25	0.4	43	26.9	96	754	1606	0
23/09/2022 00:00	3	16	0	0	1	0.5	14	22	0.6	6	26.8	95	755	1603	0
24/09/2022 00:00	4	10	0	0	0	0.5	14	24	0.5	90	27.7	94	754	1587	0
25/09/2022 00:00	4	11	0	0	0	0.5	16	19	0.7	117	25.6	99	755	1681	0
26/09/2022 00:00	4	6	0	0	1	0.4	17	22	0.6	98	24.7	102	755	1610	0
27/09/2022 00:00	3	10	0	0	0	0.5	19	24	0.4	240	26.9	94	754	1603	0
28/09/2022 00:00	4	12	0	0	1	0.4	22	28	0.5	268	26.8	97	752	1587	0
29/09/2022 00:00	5	15	0	0	0	0.3	19	22	0.7	245	24.7	101	751	1573	0
30/09/2022 00:00	4	12	0	0	1	0.5	20	24	0.6	172	26.7	97	753	1588	0
Minimum	3.0	6.0	0.0	0.0	0.0	0.3	11.0	15.0	0.3	6.0	24.7	88.0	751.0	1573.0	0.0
Maximum	5.0	19.0	0.0	0.0	1.0	0.5	28.0	33.0	1.4	352.0	29.4	102.0	756.0	1681.0	0.0
Avg	3.8	12.7	0.0	0.0	0.4	0.5	18.2	23.4	0.7	169.6	27.4	94.6	754.7	1609.7	0.0
Standard	**170** 2/	**170** 2/	**120** 1/	**300** 3/	**300** 3/	-	**120** 1/	**330** 1/	-	-	-	-	-	-	-

Standard

1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.

2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.

3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Kokdaeng**
Month: October **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/10/2022 00:00	8	26	1	1	1	1.1	21	27	1.5	169	27.9	90	752	841	0
02/10/2022 00:00	0	7	1	1	1	1.1	17	24	0.9	177	27.6	89	752	845	0
03/10/2022 00:00	0	11	1	1	1	1	15	23	1	137	25.4	98	753	849	0
04/10/2022 00:00	0	16	1	1	2	1.1	22	31	1.1	84	27.6	87	754	850	0
05/10/2022 00:00	0	14	1	1	2	1.1	23	31	1.2	78	26.3	96	754	850	0
06/10/2022 00:00	0	15	1	1	4	1.2	22	30	0.9	121	27	92	755	851	0
07/10/2022 00:00	2	26	1	1	2	1.1	21	29	1	79	26.1	94	755	853	0
08/10/2022 00:00	9	21	1	1	3	1.2	21	27	1	74	28	84	755	853	0
09/10/2022 00:00	2	18	1	1	2	1.1	24	39	1	344	26.5	95	755	852	0
10/10/2022 00:00	0	8	1	1	1	1.2	14	22	1.2	60	26.2	92	756	856	0
11/10/2022 00:00	0	12	1	1	2	1.3	15	45	1.8	73	26.8	78	757	853	0
12/10/2022 00:00	2	23	2	1	8	0.9	32	43	1.4	72	27.8	73	758	850	0
13/10/2022 00:00	2	16	2	1	7	0.2	33	43	1.8	62	27.5	68	757	842	0
14/10/2022 00:00	3	18	3	1	10	0.4	38	46	1.5	75	27.6	69	756	840	0
15/10/2022 00:00	3	18	1	0	6	0.4	28	34	2.3	72	23.7	78	757	843	0
16/10/2022 00:00	3	10	1	0	2	0.5	30	33	1.8	29	22.7	88	759	849	0
17/10/2022 00:00	4	20	1	0	2	0.5	40	47	1.5	31	26.3	73	758	845	0
18/10/2022 00:00	4	32	2	1	8	0.6	48	58	2.3	67	26.8	61	757	842	0
19/10/2022 00:00	7	33	2	1	4	1.1	52	68	2.1	72	26.5	62	757	842	0
20/10/2022 00:00	5	31	2	0	8	0.6	42	55	1.7	63	26.4	69	758	838	0
21/10/2022 00:00	6	31	1	0	3	0.6	32	40	1.6	59	27	74	759	847	0
22/10/2022 00:00	10	21	1	0	2	0.6	34	42	1.4	87	28.8	73	758	854	0
23/10/2022 00:00	6	18	2	0	4	0.4	36	44	1.6	65	28.7	74	759	858	0
24/10/2022 00:00	4	18	1	1	2	0.5	38	48	1.3	56	28.9	73	758	852	0
25/10/2022 00:00	4	16	1	0	4	0.4	34	46	1.5	74	28.6	68	759	854	0
26/10/2022 00:00	2	12	2	1	6	0.4	31	39	1.8	69	28.5	74	758	850	0
27/10/2022 00:00	0	17	1	0	2	0.3	26	38	1.5	115	27.5	87	758	848	0
28/10/2022 00:00	0	13	1	0	3	0.4	25	30	1.8	84	28.3	73	757	846	0
29/10/2022 00:00	2	10	1	0	2	0.5	29	36	1.9	87	27.5	59	758	845	0
30/10/2022 00:00	4	12	1	1	3	0.6	34	46	1.7	64	27.6	65	757	846	0
31/10/2022 00:00	3	10	2	1	4	0.5	40	44	1.6	70	26.8	73	758	848	0
Minimum	0.0	7.0	1.0	0.0	1.0	0.2	14.0	22.0	0.9	29.0	22.7	59.0	752.0	838.0	0.0
Maximum	10.0	33.0	3.0	1.0	10.0	1.3	52.0	68.0	2.3	344.0	28.9	98.0	759.0	858.0	0.0
Avg	3.1	17.8	1.3	0.6	3.6	0.7	29.6	39.0	1.5	89.3	27.1	78.4	756.6	848.1	0.0
Standard	**170** 2/	**170** 2/	**120** 1/	**300** 3/	**300** 3/	**-**	**120** 1/	**330** 1/	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard

1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.

2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.

3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Nong-Gnu-Loem**
Month: October **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/10/2022 00:00	3	15	0	0	1	0.4	17	19	0.2	142	28.2	91	754	1535	0
02/10/2022 00:00	1	10	0	0	1	0.4	16	17	0.2	124	27.7	91	754	1535	0
03/10/2022 00:00	3	14	0	0	2	0.4	14	15	0.2	96	25.6	98	755	1536	0
04/10/2022 00:00	3	15	0	0	3	0.4	16	20	0.2	51	27.5	88	756	1535	0
05/10/2022 00:00	2	14	0	0	1	0.4	19	23	0.2	45	26.4	96	757	1535	0
06/10/2022 00:00	3	11	0	0	3	0.4	18	25	0.1	78	27.3	92	756	1535	0
07/10/2022 00:00	3	13	0	0	2	0.4	21	35	0.3	49	26.3	94	757	1535	0
08/10/2022 00:00	2	13	0	0	1	0.4	18	20	0.2	27	27.6	89	757	1535	0
09/10/2022 00:00	2	11	0	0	1	0.4	26	28	0.2	67	26.5	96	757	1535	0
10/10/2022 00:00	2	9	0	0	4	0.4	15	18	0.2	25	26.5	92	758	1535	0
11/10/2022 00:00	3	17	0	0	2	0.5	24	29	0.2	33	27	80	758	1534	0
12/10/2022 00:00	7	22	1	0	5	0.5	31	36	0.5	41	27.5	78	758	1536	0
13/10/2022 00:00	2	18	2	0	6	0.4	37	43	1.4	41	27.4	74	758	1566	0
14/10/2022 00:00	2	15	1	0	3	0.4	38	49	1	59	27	78	757	1604	0
15/10/2022 00:00	3	20	1	0	7	0.4	29	36	1.7	50	29.2	83	758	1604	0
16/10/2022 00:00	2	7	1	0	2	0.4	29	34	1.5	14	31.9	93	760	1603	0
17/10/2022 00:00	3	17	2	1	5	0.5	36	44	1.5	22	26.4	75	759	1604	0
18/10/2022 00:00	4	31	1	1	5	0.5	32	40	1.6	30	26.6	66	758	1605	0
19/10/2022 00:00	5	26	2	1	4	0.6	48	56	1.7	48	28.6	64	758	1606	0
20/10/2022 00:00	5	39	2	1	6	0.6	46	49	1.4	44	30.7	72	759	1605	0
21/10/2022 00:00	5	28	1	0	4	0.7	36	39	1.3	38	26.8	78	760	1606	0
22/10/2022 00:00	2	25	0	0	2	0.7	32	35	1.1	62	28.5	77	759	1606	0
23/10/2022 00:00	2	13	0	0	1	0.6	27	44	1.2	40	28.3	76	759	1606	0
24/10/2022 00:00	2	28	0	0	2	0.6	33	40	0.8	34	28.6	76	758	1606	0
25/10/2022 00:00	2	19	1	0	2	0.5	34	41	1.4	50	28.8	70	758	1606	0
26/10/2022 00:00	5	20	0	0	2	0.5	33	43	1.5	45	28.5	77	758	1606	0
27/10/2022 00:00	3	22	1	0	1	0.5	22	27	0.6	89	27.4	91	758	1607	0
28/10/2022 00:00	3	15	1	0	2	0.4	22	24	1.9	59	28.4	75	757	1606	0
29/10/2022 00:00	2	21	1	0	2	0.4	22	30	2	63	28.1	61	758	1606	0
30/10/2022 00:00	5	16	1	0	2	0.5	33	43	1.8	37	28.2	67	758	1606	0
31/10/2022 00:00	4	21	1	0	3	0.6	44	51	1.2	44	29.1	76	758	1606	0
Minimum	1.0	7.0	0.0	0.0	1.0	0.4	14.0	15.0	0.1	14.0	25.6	61.0	754.0	1534.0	0.0
Maximum	7.0	39.0	2.0	1.0	7.0	0.7	48.0	56.0	2.0	142.0	31.9	98.0	760.0	1607.0	0.0
Avg	3.1	18.2	0.6	0.1	2.8	0.5	28.0	34.0	0.9	53.1	27.8	81.1	757.6	1576.9	0.0
Standard	**170** 2/	**170** 2/	**120** 1/	**300** 3/	**300** 3/	**-**	**120** 1/	**330** 1/	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard

1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.

2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.

3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Nong Lua**
Month: October **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/10/2022 00:00	2	12	1	1	1	0.5	23	30	3	124	27.6	87	753	1653	0
02/10/2022 00:00	2	7	1	1	1	0.5	15	22	1.4	126	27.5	86	754	1656	0
03/10/2022 00:00	3	9	1	1	1	0.5	13	20	1.1	95	25.6	95	754	1656	0
04/10/2022 00:00	4	10	1	1	1	0.5	20	30	0.8	37	27.6	83	756	1670	0
05/10/2022 00:00	3	8	1	1	1	0.5	21	26	0.9	16	26.5	91	756	1673	0
06/10/2022 00:00	4	9	1	1	1	0.5	20	33	0.7	71	27.2	88	756	1681	0
07/10/2022 00:00	4	10	1	1	1	0.6	21	30	0.7	30	26.1	92	756	1680	0
08/10/2022 00:00	4	13	1	1	1	0.5	18	30	0.5	24	28	82	756	1677	0
09/10/2022 00:00	4	11	1	1	1	0.4	21	27	0.9	76	26.7	91	757	1679	0
10/10/2022 00:00	3	9	1	1	1	0.4	19	30	1.1	345	26.4	89	757	1680	0
11/10/2022 00:00	3	15	1	1	1	0.6	20	29	0.9	16	26.7	75	757	1684	0
12/10/2022 00:00	1	14	1	1	1	0.7	28	46	0.7	9	28	70	757	1685	0
13/10/2022 00:00	1	1	1	1	1	0.6	34	45	0.9	9	26.8	70	757	1689	0
14/10/2022 00:00	7	13	1	1	1	0.6	39	55	0.7	19	27.5	69	757	1681	0
15/10/2022 00:00	6	19	1	1	1	0.5	33	42	1.1	11	23.5	76	757	1682	0
16/10/2022 00:00	5	10	1	1	1	0.5	33	39	0.9	331	22.7	84	759	1697	0
17/10/2022 00:00	5	19	1	1	1	0.6	40	55	0.8	351	26.3	71	758	1694	0
18/10/2022 00:00	6	20	1	1	1	0.6	46	64	1.1	8	26.7	61	757	1687	0
19/10/2022 00:00	6	21	1	0	1	0.6	62	68	1.1	10	26.5	60	757	1687	0
20/10/2022 00:00	6	35	0	0	3	0.7	53	63	0.9	10	26.5	66	758	1694	0
21/10/2022 00:00	6	23	1	0	1	0.7	38	47	0.8	358	26.9	71	759	1699	0
22/10/2022 00:00	3	12	0	0	1	0.8	31	41	0.7	35	28.7	70	759	1702	0
23/10/2022 00:00	3	11	0	0	0	0.7	35	43	0.8	2	28.5	68	759	1701	0
24/10/2022 00:00	2	14	0	0	0	0.7	40	51	0.6	359	28.8	68	758	1692	0
25/10/2022 00:00	4	11	0	0	0	0.7	37	53	0.8	10	28.6	67	758	1692	0
26/10/2022 00:00	5	11	0	0	0	0.7	33	36	0.9	9	28.6	71	758	1690	0
27/10/2022 00:00	4	10	1	0	3	0.6	27	42	0.6	42	27.4	84	758	1690	0
28/10/2022 00:00	5	11	1	0	2	0.6	27	32	1.1	13	28.2	73	757	1686	0
29/10/2022 00:00	0	16	0	0	0	0.6	29	38	1.2	26	27.6	62	757	1687	0
30/10/2022 00:00	0	0	0	0	0	0.7	51	61	1.1	358	27.6	63	757	1687	0
31/10/2022 00:00	0	0	0	0	0	0.8	46	61	0.7	4	26.8	70	758	1690	0
Minimum	0.0	0.0	0.0	0.0	0.0	0.4	13.0	20.0	0.5	2.0	22.7	60.0	753.0	1653.0	0.0
Maximum	7.0	35.0	1.0	1.0	3.0	0.8	62.0	68.0	3.0	359.0	28.8	95.0	759.0	1702.0	0.0
Avg	3.6	12.4	0.7	0.6	0.9	0.6	31.4	41.6	1.0	94.6	27.0	75.9	757.0	1683.9	0.0
Standard	**170** 2/	**170** 2/	**120** 1/	**300** 3/	**300** 3/	**-**	**120** 1/	**330** 1/	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard

1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.

2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.

3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Tummasintusopha**
Month: October **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/10/2022 00:00	4	10	0	0	1	0.4	20	25	1.2	123	27.9	94	757	1550	0
02/10/2022 00:00	7	12	0	0	1	0.6	17	19	0.6	130	27.6	96	756	1552	0
03/10/2022 00:00	6	9	1	0	2	0.5	16	17	0.5	90	25.6	98	756	1554	0
04/10/2022 00:00	4	7	1	1	1	0.5	21	22	0.7	38	27.8	91	757	1570	0
05/10/2022 00:00	6	6	1	1	1	0.6	20	24	0.8	33	26.3	97	757	1572	0
06/10/2022 00:00	0	6	0	0	1	0.6	23	28	0.4	76	27.1	98	757	1586	0
07/10/2022 00:00	1	9	0	0	1	0.6	13	20	0.6	34	26.2	97	757	1584	0
08/10/2022 00:00	5	17	0	0	1	0.6	16	23	0.6	36	28	89	757	1591	0
09/10/2022 00:00	4	12	0	0	1	0.6	22	24	0.6	55	26.7	98	758	1602	0
10/10/2022 00:00	6	14	0	0	1	0.6	10	23	1	18	25.7	97	758	1632	0
11/10/2022 00:00	7	22	1	0	1	0.5	25	29	1.5	37	26.8	89	758	1548	0
12/10/2022 00:00	5	18	1	1	1	0.4	22	30	0.8	27	28	79	758	1547	0
13/10/2022 00:00	4	18	1	1	1	0.4	36	37	1.7	28	27.5	75	757	1581	0
14/10/2022 00:00	4	15	1	1	1	0.4	34	35	1.2	39	27.4	80	756	1544	0
15/10/2022 00:00	8	19	1	1	1	0.6	32	36	1.9	32	23.6	82	757	1552	0
16/10/2022 00:00	7	18	0	0	1	0.5	30	37	1.4	38	22.6	90	758	1565	0
17/10/2022 00:00	6	28	1	1	2	0.8	34	38	1.6	42	26.4	78	759	1562	0
18/10/2022 00:00	5	20	1	0	0	0.6	37	43	1.2	38	26.7	67	759	1532	0
19/10/2022 00:00	6	18	0	0	0	0.8	43	47	1.8	36	26.5	69	756	1075	0
20/10/2022 00:00	7	29	0	0	0	0.8	37	41	2.2	33	26.5	77	757	1125	0
21/10/2022 00:00	5	19	0	0	0	0.8	20	32	1.8	25	26.8	88	758	1123	0
22/10/2022 00:00	4	13	0	0	0	0.8	22	22	1.3	52	28.4	84	758	1121	0
23/10/2022 00:00	4	10	0	0	0	0.8	24	28	1.6	24	28.6	79	758	1102	0
24/10/2022 00:00	3	14	0	0	0	0.8	31	43	1.2	18	29	79	757	1105	0
25/10/2022 00:00	4	12	0	0	0	0.8	32	38	1.7	30	28.7	76	757	1144	0
26/10/2022 00:00	6	10	0	0	0	0.8	20	33	2.1	29	28.5	88	757	1165	0
27/10/2022 00:00	4	11	0	0	0	0.7	18	26	0.9	51	27.6	95	756	1243	0
28/10/2022 00:00	1	10	0	0	0	0.7	16	20	2.5	37	28.1	82	756	1223	0
29/10/2022 00:00	1	3	0	0	0	0.7	26	27	2.8	48	27.6	68	756	1094	0
30/10/2022 00:00	1	2	0	0	0	0.8	32	32	2.6	25	27.4	74	756	1095	0
31/10/2022 00:00	1	3	0	0	0	0.9	34	39	1.8	31	26.6	82	757	1235	0
Minimum	0.0	2.0	0.0	0.0	0.0	0.4	10.0	17.0	0.4	18.0	22.6	67.0	756.0	1075.0	0.0
Maximum	8.0	29.0	1.0	1.0	2.0	0.9	43.0	47.0	2.8	130.0	29.0	98.0	759.0	1632.0	0.0
Avg	4.4	13.4	0.3	0.2	0.6	0.6	25.3	30.3	1.4	43.6	27.0	85.0	757.1	1389.5	0.0
Standard	**170** 2/	**170** 2/	**120** 1/	**300** 3/	**300** 3/	**-**	**120** 1/	**330** 1/	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard

1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.

2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.

3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Kokdaeng**
Month: November **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/11/2022 00:00	4	14	1	0	2	0.7	38	42	0.9	68	26.3	69	758	847	0
02/11/2022 00:00	4	31	2	0	8	0.8	40	46	0.8	74	26.7	70	757	844	0
03/11/2022 00:00	8	23	2	0	10	0.8	43	52	0.6	97	26.6	71	758	847	0
04/11/2022 00:00	4	40	2	0	7	0.8	35	40	1.3	82	26.1	60	759	852	0
05/11/2022 00:00	4	31	1	1	3	0.9	37	46	1.6	81	26.6	64	760	850	0
06/11/2022 00:00	7	27	0	0	2	1	43	52	1.1	59	27	75	760	849	0
07/11/2022 00:00	5	19	1	0	2	1	39	52	1.2	65	27.7	67	759	851	0
08/11/2022 00:00	8	34	2	1	8	1	42	53	1.4	73	26.6	67	759	849	0
09/11/2022 00:00	6	26	1	0	4	1	38	48	1.6	67	26.6	64	759	849	0
10/11/2022 00:00	3	29	2	1	7	1	36	46	1.6	51	27.5	70	759	847	0
11/11/2022 00:00	4	15	1	1	2	1	34	44	1.8	49	28.2	70	758	846	0
12/11/2022 00:00	3	12	1	0	2	1	30	38	1.8	36	28.8	70	757	842	0
13/11/2022 00:00	3	19	1	0	3	0.9	28	33	1.3	72	28.8	68	757	834	0
14/11/2022 00:00	4	13	1	0	3	0.9	18	21	0.8	44	26.8	91	758	845	0
15/11/2022 00:00	2	15	0	0	2	0.9	14	18	1.3	77	27.7	84	757	844	0
16/11/2022 00:00	5	19	1	0	4	1	23	29	0.6	49	27	91	757	842	0
17/11/2022 00:00	5	17	1	0	4	1	26	32	0.7	111	28.2	84	757	841	0
18/11/2022 00:00	4	13	1	0	3	1	23	27	0.8	87	27.6	87	757	844	0
19/11/2022 00:00	3	14	1	0	5	1	26	34	1.3	58	28.2	81	757	842	0
20/11/2022 00:00	4	18	1	0	2	1.1	31	39	1.6	66	27.3	79	756	839	0
21/11/2022 00:00	5	22	1	0	3	1.1	29	36	1.1	62	28.1	79	755	836	0
22/11/2022 00:00	3	20	2	0	12	1.3	39	47	1.2	54	28.7	76	755	836	0
23/11/2022 00:00	3	20	1	0	2	1.2	28	36	1.5	52	27.9	84	755	838	0
24/11/2022 00:00	3	10	1	0	2	1.1	18	23	1.1	80	26.4	95	756	841	0
25/11/2022 00:00	3	13	1	0	2	1.1	15	20	0.8	142	27.1	91	757	844	0
26/11/2022 00:00	3	14	1	0	2	1.2	20	24	0.7	210	27	90	757	843	0
27/11/2022 00:00	3	17	1	0	2	1.2	24	28	0.4	171	27.2	90	757	841	0
28/11/2022 00:00	4	21	2	0	6	1.2	26	30	0.5	130	28	86	757	841	0
29/11/2022 00:00	7	22	2	0	12	1.3	32	35	0.6	91	27.8	90	757	843	0
30/11/2022 00:00	5	19	1	0	4	1.3	29	34	0.8	75	26.7	94	757	843	0
Minimum	2.0	10.0	0.0	0.0	2.0	0.7	14.0	18.0	0.4	36.0	26.1	60.0	755.0	834.0	0.0
Maximum	8.0	40.0	2.0	1.0	12.0	1.3	43.0	53.0	1.8	210.0	28.8	95.0	760.0	852.0	0.0
Avg	4.3	20.2	1.2	0.1	4.3	1.0	30.1	36.8	1.1	81.1	27.4	78.6	757.4	843.7	0.0
Standard	**170** [2/]	**170** [2/]	**120** [1/]	**300** [3/]	**300** [3/]	**-**	**120** [1/]	**330** [1/]	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard

1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.

2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.

3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Nong-Gnu-Loem**
Month: November **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/11/2022 00:00	3	16	1	0	2	0.6	30	38	1.3	49	26.3	72	759	1606	0
02/11/2022 00:00	3	36	1	0	7	0.7	38	46	0.7	67	26.4	75	758	1606	0
03/11/2022 00:00	5	27	2	0	7	0.7	39	50	0.5	109	26.3	76	759	1606	0
04/11/2022 00:00	3	42	1	0	5	0.6	32	35	1	57	25.8	65	760	1601	0
05/11/2022 00:00	4	23	0	0	0	0.8	31	39	1.3	60	26.5	67	761	1589	0
06/11/2022 00:00	7	22	0	0	0	1	33	46	1	35	26.8	77	761	1589	0
07/11/2022 00:00	3	16	0	0	1	1	40	49	1	45	27.6	70	760	1592	0
08/11/2022 00:00	5	29	1	0	9	0.7	45	53	1.1	50	26.5	69	760	1606	0
09/11/2022 00:00	5	26	1	0	6	0.7	38	43	1.4	45	26.5	68	760	1608	0
10/11/2022 00:00	4	23	2	1	5	0.6	33	43	1.4	32	27.4	72	759	1615	0
11/11/2022 00:00	4	15	2	1	3	0.6	29	40	1.4	29	28	76	759	1617	0
12/11/2022 00:00	2	10	1	0	2	0.5	31	33	1.7	19	28.7	74	758	1618	0
13/11/2022 00:00	3	21	2	0	3	0.5	29	30	1.4	47	28.8	70	758	1619	0
14/11/2022 00:00	4	12	1	0	3	0.5	15	22	0.9	20	26.9	92	759	1617	0
15/11/2022 00:00	2	16	1	0	3	0.4	15	19	1.4	62	27.4	84	758	1618	0
16/11/2022 00:00	4	17	2	0	5	0.5	20	29	0.6	15	26.9	91	758	1618	0
17/11/2022 00:00	4	13	2	1	4	0.6	26	30	0.7	126	28	85	757	1619	0
18/11/2022 00:00	4	13	1	0	3	0.5	26	28	0.6	66	27.6	89	758	1619	0
19/11/2022 00:00	3	16	0	0	2	0.6	27	34	1.2	32	28.3	82	757	1619	0
20/11/2022 00:00	3	17	1	0	4	0.5	23	31	1.4	35	27.3	82	757	1618	0
21/11/2022 00:00	5	30	1	0	3	0.6	30	33	1	32	28	81	756	1618	0
22/11/2022 00:00	2	20	1	0	4	0.7	39	49	1.1	23	28.7	78	755	1620	0
23/11/2022 00:00	3	18	1	1	2	0.6	28	35	1.5	30	27.9	86	756	1619	0
24/11/2022 00:00	3	11	1	0	1	0.5	18	21	1	33	26.4	97	757	1617	0
25/11/2022 00:00	2	13	1	0	1	0.5	17	22	0.8	163	27	91	758	1618	0
26/11/2022 00:00	2	13	1	0	2	0.6	19	25	0.7	205	27	90	758	1619	0
27/11/2022 00:00	3	17	1	0	2	0.6	28	39	0.5	183	27.2	92	757	1617	0
28/11/2022 00:00	3	17	3	0	6	0.6	24	29	0.6	174	28.1	87	758	1619	0
29/11/2022 00:00	5	20	1	0	3	0.7	29	34	0.5	106	27.9	92	758	1624	0
30/11/2022 00:00	4	21	1	0	1	0.6	28	31	0.7	69	26.9	94	758	1626	0
Minimum	2.0	10.0	0.0	0.0	0.0	0.4	15.0	19.0	0.5	15.0	25.8	65.0	755.0	1589.0	0.0
Maximum	7.0	42.0	3.0	1.0	9.0	1.0	45.0	53.0	1.7	205.0	28.8	97.0	761.0	1626.0	0.0
Avg	3.6	19.7	1.1	0.1	3.3	0.6	28.7	35.2	1.0	67.3	27.3	80.8	758.2	1613.2	0.0
Standard	**170** [2/]	**170** [2/]	**120** [1/]	**300** [3/]	**300** [3/]	**-**	**120** [1/]	**330** [1/]	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard

1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.

2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.

3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Nong Lua**
Month: November **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/11/2022 00:00	0	0	0	0	0	0.7	40	56	0.8	18	26.2	68	758	1695	0
02/11/2022 00:00	0	0	0	0	0	0.8	41	54	0.5	25	26.3	69	758	1691	0
03/11/2022 00:00	0	0	0	0	0	0.8	53	73	0.4	94	26.1	72	758	1695	0
04/11/2022 00:00	0	0	0	0	0	0.8	37	54	0.8	24	25.7	60	760	1706	0
05/11/2022 00:00	0	0	0	0	1	0.8	43	55	0.9	22	26.5	63	760	1715	0
06/11/2022 00:00	0	0	0	0	1	0.9	44	58	0.6	359	26.8	72	760	1712	0
07/11/2022 00:00	0	0	0	0	0	0.8	44	63	0.5	22	27.5	64	759	1706	0
08/11/2022 00:00	0	0	0	0	0	0.7	57	58	0.7	13	26.4	64	759	1703	0
09/11/2022 00:00	0	15	0	0	0	0.7	41	54	0.9	7	26.4	62	759	1704	0
10/11/2022 00:00	0	14	0	0	0	0.7	40	58	1	353	27.4	66	759	1700	0
11/11/2022 00:00	0	0	0	0	0	0.7	39	54	0.9	350	28	67	759	1699	0
12/11/2022 00:00	0	0	0	0	0	0.6	34	47	1	337	28.7	66	758	1692	0
13/11/2022 00:00	0	0	0	0	0	0.6	32	43	1	10	28.9	65	757	1688	0
14/11/2022 00:00	0	0	0	0	0	0.6	22	46	0.6	336	26.9	87	758	1694	0
15/11/2022 00:00	0	0	0	0	0	0.5	17	21	1	23	27.2	84	758	1692	0
16/11/2022 00:00	0	4	0	0	0	0.6	28	40	0.5	318	26.9	89	757	1684	0
17/11/2022 00:00	0	0	0	0	0	0.6	27	39	0.7	96	27.9	81	757	1683	0
18/11/2022 00:00	0	0	0	0	0	0.6	24	31	0.5	33	27.6	83	758	1692	0
19/11/2022 00:00	0	0	0	0	0	0.7	37	57	0.7	351	28.4	78	757	1686	0
20/11/2022 00:00	0	0	0	0	0	0.6	33	40	1	2	27.3	77	756	1681	0
21/11/2022 00:00	0	0	0	0	0	0.6	29	42	0.7	352	27.9	75	755	1674	0
22/11/2022 00:00	0	0	0	0	0	0.7	43	59	0.6	345	28.9	72	755	1673	0
23/11/2022 00:00	0	0	0	0	0	0.7	30	45	0.9	352	27.9	79	756	1675	0
24/11/2022 00:00	0	0	0	0	0	0.6	19	31	0.7	14	26.3	93	756	1680	0
25/11/2022 00:00	0	0	0	0	0	0.6	22	28	1	120	26.8	89	758	1690	0
26/11/2022 00:00	0	0	0	0	0	0.6	27	32	0.8	157	27.1	86	758	1689	0
27/11/2022 00:00	0	0	0	0	0	0.7	43	47	0.6	125	27.2	87	757	1682	0
28/11/2022 00:00	0	0	0	0	0	0.6	28	35	0.7	137	28.1	83	757	1670	0
29/11/2022 00:00	0	0	0	0	0	0.7	34	43	0.5	62	28	85	758	1671	0
30/11/2022 00:00	0	0	0	0	0	0.7	33	44	0.7	8	27.1	89	758	1670	0
Minimum	0.0	0.0	0.0	0.0	0.0	0.5	17.0	21.0	0.4	2.0	25.7	60.0	755.0	1670.0	0.0
Maximum	0.0	15.0	0.0	0.0	1.0	0.9	57.0	73.0	1.0	359.0	28.9	93.0	760.0	1715.0	0.0
Avg	0.0	1.1	0.0	0.0	0.1	0.7	34.7	46.9	0.7	148.8	27.3	75.8	757.8	1689.7	0.0
Standard	**170 2/**	**170 2/**	**120 1/**	**300 3/**	**300 3/**	**-**	**120 1/**	**330 1/**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard

1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.

2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.

3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Tummasintusopha**
Month: November **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/11/2022 00:00	1	3	0	0	0	0.9	32	33	1.8	34	26.4	76	757	1167	0
02/11/2022 00:00	1	3	0	0	0	0.9	36	40	0.9	32	26.2	77	757	1115	0
03/11/2022 00:00	1	3	0	0	0	0.9	35	36	0.7	69	26.2	78	757	1130	0
04/11/2022 00:00	1	3	0	0	0	0.8	26	31	1.6	43	25.7	69	759	1064	0
05/11/2022 00:00	1	4	0	0	0	0.8	33	39	1.9	46	26.4	75	759	1092	0
06/11/2022 00:00	1	2	0	0	0	0.9	35	37	1.4	24	26.8	81	759	1097	0
07/11/2022 00:00	1	3	0	0	0	0.8	32	38	1.2	31	26.5	76	759	1104	0
08/11/2022 00:00	1	6	1	0	0	0.7	28	32	1.4	36	26.5	77	758	1118	0
09/11/2022 00:00	6	14	1	1	1	0.8	30	34	1.3	30	27	78	759	1120	0
10/11/2022 00:00	5	13	1	1	1	0.8	28	33	1.8	25	27.4	78	758	1169	0
11/11/2022 00:00	4	11	1	1	1	0.9	27	30	2	17	27.8	80	758	1159	0
12/11/2022 00:00	3	11	1	1	1	0.9	25	27	2.2	7	28.7	79	757	1128	0
13/11/2022 00:00	5	16	1	1	1	0.8	22	24	1.9	33	28.9	76	756	1121	0
14/11/2022 00:00	5	14	1	1	1	0.8	26	32	1.3	6	27	94	757	1112	0
15/11/2022 00:00	3	11	1	1	1	0.7	18	26	1.8	40	27.3	88	757	1122	0
16/11/2022 00:00	4	23	1	1	1	0.8	18	23	0.9	360	26.9	93	756	1135	0
17/11/2022 00:00	5	16	1	1	1	0.9	37	42	1	84	28.1	87	756	1111	0
18/11/2022 00:00	6	14	1	1	1	0.9	19	22	0.9	41	27.7	90	757	1190	0
19/11/2022 00:00	2	20	1	1	1	0.9	25	28	1.6	18	28.2	86	756	1227	0
20/11/2022 00:00	2	10	1	1	1	0.9	23	25	1.9	29	27.3	88	755	1195	0
21/11/2022 00:00	3	11	1	1	1	0.9	22	25	1.4	12	28	88	754	1282	0
22/11/2022 00:00	4	14	1	1	1	1	36	40	1.5	20	28.7	82	754	1279	0
23/11/2022 00:00	4	10	1	1	1	0.9	25	29	1.8	19	27.8	91	755	1301	0
24/11/2022 00:00	4	10	1	1	1	0.9	19	22	1.2	29	26.3	99	755	1372	0
25/11/2022 00:00	3	8	1	1	1	0.8	21	28	1.1	114	26.9	95	757	1383	0
26/11/2022 00:00	3	9	1	1	1	0.9	18	23	0.9	215	27.1	95	757	1419	0
27/11/2022 00:00	3	8	1	1	1	0.9	19	26	0.6	150	27.2	94	756	1562	0
28/11/2022 00:00	3	8	1	1	1	0.9	24	30	0.8	123	28.1	88	756	1648	0
29/11/2022 00:00	4	13	1	1	1	0.9	28	34	0.8	77	27	90	756	1643	0
30/11/2022 00:00	3	16	1	1	1	1	32	38	1.2	64	26.9	95	757	1648	0
Minimum	1.0	2.0	0.0	0.0	0.0	0.7	18.0	22.0	0.6	6.0	25.7	69.0	754.0	1064.0	0.0
Maximum	6.0	23.0	1.0	1.0	1.0	1.0	37.0	42.0	2.2	360.0	28.9	99.0	759.0	1648.0	0.0
Avg	3.1	10.2	0.8	0.7	0.7	0.9	26.6	30.9	1.4	60.9	27.2	84.8	756.8	1240.4	0.0
Standard	**170** 2/	**170** 2/	**120** 1/	**300** 3/	**300** 3/	**-**	**120** 1/	**330** 1/	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard

1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.

2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.

3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Kokdaeng**
Month: December **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/12/2022 00:00	4	16	1	0	2	1.2	24	28	1.1	21	26.8	92	757	844	0
02/12/2022 00:00	5	31	2	1	6	1.2	22	30	2.3	66	27.1	81	757	842	0
03/12/2022 00:00	3	16	1	1	3	1.3	16	23	2.4	61	26.9	68	757	832	0
04/12/2022 00:00	3	19	1	1	6	1.4	24	29	2	69	27.2	75	757	832	0
05/12/2022 00:00	3	18	2	0	9	1.4	26	30	2	71	27.3	76	758	836	0
06/12/2022 00:00	4	19	2	1	5	1.4	19	23	1.8	69	27.2	67	758	832	0
07/12/2022 00:00	5	30	2	1	11	1.4	21	27	1.7	65	27	70	758	833	0
08/12/2022 00:00	6	13	2	1	3	1.4	19	25	2.1	65	27.4	71	757	835	0
09/12/2022 00:00	3	35	2	0	6	1.5	25	31	1.7	57	27.1	75	757	836	0
10/12/2022 00:00	4	26	2	1	4	1.6	30	38	1	65	27.3	77	757	837	0
11/12/2022 00:00	7	25	2	0	8	1.6	40	45	0.8	73	26.9	77	758	841	0
12/12/2022 00:00	4	24	3	1	8	1.6	37	45	1	79	25.9	75	758	842	0
13/12/2022 00:00	7	26	2	1	8	1.5	41	50	2.1	73	24.3	62	759	841	0
14/12/2022 00:00	5	33	5	1	17	1.6	45	50	2.7	75	22.8	56	760	842	0
15/12/2022 00:00	5	19	1	1	3	1.7	52	64	1.6	39	23.6	63	758	841	0
16/12/2022 00:00	4	22	2	1	8	1.7	46	57	1.3	31	24.9	69	757	838	0
17/12/2022 00:00	6	17	2	1	3	1.7	36	50	3.7	76	25.5	63	758	842	0
18/12/2022 00:00	4	13	2	1	4	1.7	45	60	5.1	85	22	49	760	850	0
19/12/2022 00:00	5	14	3	1	8	1.6	37	47	3.6	71	21.7	50	760	848	0
20/12/2022 00:00	5	12	1	1	2	1.7	43	54	2	32	23.3	58	758	844	0
21/12/2022 00:00	1	24	2	1	9	1.8	45	69	2.2	62	22.5	67	758	844	0
22/12/2022 00:00	6	27	1	0	3	1.1	39	47	1.3	31	23.4	70	758	843	0
23/12/2022 00:00	4	50	3	0	17	0.7	59	72	1	73	23.2	74	758	841	0
24/12/2022 00:00	4	35	2	0	6	0.6	46	62	1.4	97	22.7	68	760	845	0
25/12/2022 00:00	3	35	2	0	6	0.5	37	49	1.7	81	22.2	65	761	856	0
26/12/2022 00:00	7	39	1	0	2	0.6	42	53	1.8	76	21.6	65	762	858	0
27/12/2022 00:00	5	41	1	0	4	0.7	50	66	1.3	80	22.3	68	761	850	0
28/12/2022 00:00	3	25	1	0	2	0.8	48	59	1.1	22	22.3	72	761	846	0
29/12/2022 00:00	4	32	2	0	6	0.8	43	51	1.4	64	22.9	69	761	845	0
30/12/2022 00:00	4	24	1	0	2	0.8	31	42	1.9	52	23.6	63	762	848	0
31/12/2022 00:00	5	32	1	0	4	0.8	28	36	2.3	73	22.6	63	762	850	0
Minimum	1.0	12.0	1.0	0.0	2.0	0.5	16.0	23.0	0.8	21.0	21.6	49.0	757.0	832.0	0.0
Maximum	7.0	50.0	5.0	1.0	17.0	1.8	59.0	72.0	5.1	97.0	27.4	92.0	762.0	858.0	0.0
Avg	4.5	25.5	1.8	0.5	6.0	1.3	36.0	45.5	1.9	63.0	24.6	68.3	758.8	842.4	0.0
Standard	**170** 2/	**170** 2/	**120** 1/	**300** 3/	**300** 3/	**-**	**120** 1/	**330** 1/	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard

1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.

2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.

3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Nong-Gnu-Loem**
Month: December **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/12/2022 00:00	3	24	1	0	2	0.6	20	27	1.1	4	27.1	93	758	1626	0
02/12/2022 00:00	5	26	2	0	4	0.6	24	27	2	40	27.5	83	758	1628	0
03/12/2022 00:00	5	19	2	1	2	0.6	15	19	2	39	27.5	68	758	1628	0
04/12/2022 00:00	4	15	2	1	4	0.7	22	23	1.7	43	27.5	76	758	1628	0
05/12/2022 00:00	3	20	2	0	6	0.7	19	24	1.7	48	27.5	78	759	1628	0
06/12/2022 00:00	5	21	1	0	4	0.7	17	21	1.7	45	27.5	65	758	1629	0
07/12/2022 00:00	4	29	1	0	3	0.7	19	24	1.6	39	27.2	69	758	1629	0
08/12/2022 00:00	4	13	0	0	1	0.7	22	37	1.9	39	27.6	72	758	1629	0
09/12/2022 00:00	3	34	0	0	3	0.7	21	28	1.7	33	27.2	75	758	1630	0
10/12/2022 00:00	5	26	0	0	0	0.9	29	36	0.9	43	27.6	80	758	1630	0
11/12/2022 00:00	5	26	1	0	6	1.1	34	45	0.8	52	27	78	758	1630	0
12/12/2022 00:00	5	28	2	0	6	1.1	42	53	0.9	55	25.7	75	759	1629	0
13/12/2022 00:00	6	23	0	0	2	0.9	34	43	1.7	52	24.2	63	760	1628	0
14/12/2022 00:00	4	31	3	1	10	0.9	40	50	2.1	50	22.5	56	761	1627	0
15/12/2022 00:00	4	26	2	0	4	0.9	36	47	1.3	20	23.7	66	760	1628	0
16/12/2022 00:00	4	30	2	0	6	1	39	52	1.1	14	24.9	72	758	1630	0
17/12/2022 00:00	7	18	1	0	3	0.9	29	44	3.1	52	25.5	64	760	1631	0
18/12/2022 00:00	5	18	0	0	1	1	45	54	3.8	62	21.9	48	762	1631	0
19/12/2022 00:00	4	24	2	0	7	0.7	44	50	1.6	49	21.6	59	761	1632	0
20/12/2022 00:00	2	13	1	0	2	0.5	33	57	2	19	23.6	61	760	1632	0
21/12/2022 00:00	5	33	1	0	4	0.4	37	50	2.1	40	24.8	62	759	1629	0
22/12/2022 00:00	5	36	0	0	1	0.5	38	45	1.1	8	24.7	69	759	1629	0
23/12/2022 00:00	3	36	1	0	8	0.6	53	60	0.9	59	24.9	72	759	1629	0
24/12/2022 00:00	5	27	0	0	0	0.5	44	60	1.3	74	23.8	67	761	1629	0
25/12/2022 00:00	3	23	0	0	3	0.4	36	46	1.5	58	23.6	62	762	1628	0
26/12/2022 00:00	6	34	0	0	0	0.5	38	48	1.6	53	23	63	763	1628	0
27/12/2022 00:00	4	35	0	0	1	0.5	40	59	1.2	57	23.5	66	762	1625	0
28/12/2022 00:00	3	24	0	0	0	0.5	48	60	0.8	347	23.7	70	762	1629	0
29/12/2022 00:00	3	30	0	0	1	0.5	36	46	1.2	38	24.4	67	763	1630	0
30/12/2022 00:00	4	15	0	0	1	0.5	27	36	1.7	36	24.6	62	763	1630	0
31/12/2022 00:00	5	26	0	0	1	0.6	27	34	2.1	50	23.8	61	763	1630	0
Minimum	2.0	13.0	0.0	0.0	0.0	0.4	15.0	19.0	0.8	4.0	21.6	48.0	758.0	1625.0	0.0
Maximum	7.0	36.0	3.0	1.0	10.0	1.1	53.0	60.0	3.8	347.0	27.6	93.0	763.0	1632.0	0.0
Avg	4.3	25.3	0.9	0.1	3.1	0.7	32.5	42.1	1.6	52.2	25.1	68.5	759.9	1629.0	0.0
Standard	**170** 2/	**170** 2/	**120** 1/	**300** 3/	**300** 3/	**-**	**120** 1/	**330** 1/	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard

1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.

2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.

3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Nong Lua**
Month: December **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/12/2022 00:00	0	0	0	0	0	0.5	24	34	0.8	319	27	88	758	1662	0
02/12/2022 00:00	0	0	0	0	0	0.5	25	35	1.1	3	27.4	77	757	1661	0
03/12/2022 00:00	0	0	0	0	0	0.6	21	27	1.1	3	27.4	64	757	1662	0
04/12/2022 00:00	0	0	0	0	0	0.6	25	36	0.9	5	27.4	70	758	1666	0
05/12/2022 00:00	0	0	0	0	0	0.6	24	34	0.8	12	27.4	72	758	1668	0
06/12/2022 00:00	0	0	0	0	0	0.6	18	31	0.7	8	27.4	64	758	1664	0
07/12/2022 00:00	0	0	0	0	0	0.6	23	38	0.9	8	27.1	66	758	1666	0
08/12/2022 00:00	0	0	0	0	0	0.6	22	31	1.2	5	27.5	69	758	1665	0
09/12/2022 00:00	0	0	0	0	0	0.7	26	33	0.8	357	27.1	73	758	1663	0
10/12/2022 00:00	0	0	0	0	0	0.7	33	45	0.6	12	27.5	73	757	1662	0
11/12/2022 00:00	0	0	0	0	0	0.8	45	58	0.5	31	26.9	73	758	1666	0
12/12/2022 00:00	0	0	0	0	1	0.8	37	50	0.5	31	25.6	73	759	1670	0
13/12/2022 00:00	0	0	0	0	1	0.7	43	57	0.9	16	24.1	61	760	1678	0
14/12/2022 00:00	0	0	0	0	1	0.7	48	67	1.5	14	22.4	57	760	1682	0
15/12/2022 00:00	0	0	0	0	1	0.8	49	59	0.9	347	23.6	61	759	1670	0
16/12/2022 00:00	0	0	0	0	0	0.9	53	70	0.7	342	24.8	64	758	1662	0
17/12/2022 00:00	0	0	0	0	0	0.8	40	53	2	17	25.4	62	759	1669	0
18/12/2022 00:00	0	0	1	0	1	0.7	55	72	3.2	27	21.8	50	761	1684	0
19/12/2022 00:00	0	0	1	0	1	0.7	38	57	1.9	14	21.5	50	760	1679	0
20/12/2022 00:00	0	0	0	0	1	0.8	42	56	1.4	340	23.5	54	759	1667	0
21/12/2022 00:00	0	0	0	0	1	0.8	41	55	1.3	5	24.7	59	758	1671	0
22/12/2022 00:00	0	10	1	0	1	0.9	51	84	0.9	339	24.6	68	758	1684	0
23/12/2022 00:00	4	29	1	1	1	0.7	65	88	0.6	35	25	70	758	1685	0
24/12/2022 00:00	5	25	1	1	1	0.6	57	77	0.9	35	23.8	65	760	1695	0
25/12/2022 00:00	6	24	1	1	1	0.5	36	52	1	23	23.4	61	761	1707	0
26/12/2022 00:00	8	31	1	1	1	0.5	43	60	0.9	22	23	61	762	1711	0
27/12/2022 00:00	8	34	1	1	1	0.6	52	73	0.8	34	23.6	64	761	1708	0
28/12/2022 00:00	6	39	1	1	1	0.6	55	69	0.8	338	24.1	67	761	1707	0
29/12/2022 00:00	7	42	1	1	1	0.6	44	54	0.7	12	24.5	65	762	1711	0
30/12/2022 00:00	6	15	1	1	1	0.6	34	53	1.1	4	24.8	59	762	1714	0
31/12/2022 00:00	7	24	1	1	1	0.6	29	38	1.2	19	23.7	59	762	1713	0
Minimum	0.0	0.0	0.0	0.0	0.0	0.5	18.0	27.0	0.5	3.0	21.5	50.0	757.0	1661.0	0.0
Maximum	8.0	42.0	1.0	1.0	1.0	0.9	65.0	88.0	3.2	357.0	27.5	88.0	762.0	1714.0	0.0
Avg	1.8	8.8	0.4	0.3	0.6	0.7	38.6	53.1	1.1	89.6	25.1	65.1	759.2	1679.7	0.0
Standard	**170** 2/	**170** 2/	**120** 1/	**300** 3/	**300** 3/	**-**	**120** 1/	**330** 1/	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard

1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.

2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.

3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001

Station: **Tummasintusopha**
Month: December **Year** 2022
Report Type **Mean**
Time Base: 24 Hour 1 Hour

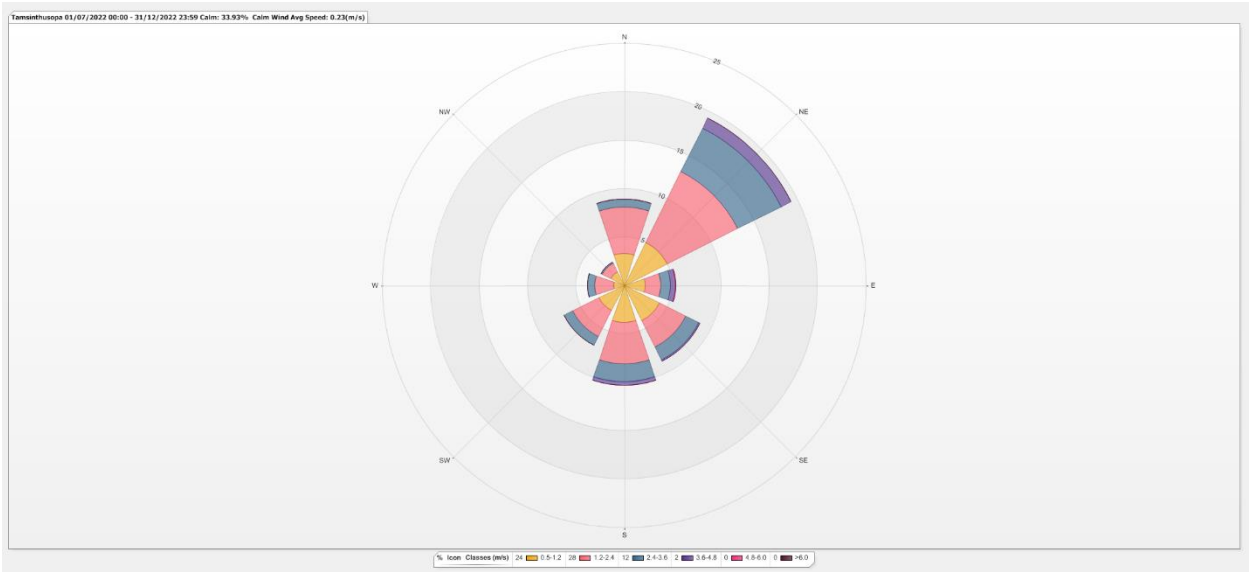
Date & Time	NO_2 1 hr		SO_2 24 hr	SO_2 1 hr		CO	PM10	TSP	WS	WD	TEMP	RH	BP	G_Press	GAS_DET
	min	max		min	max										
Unit	ppb	ppb	ppb	ppb	ppb	ppm	ug/m^3	ug/m^3	m/s	Deg	°C	%	mmHg	PSI	ppm
01/12/2022 00:00	3	18	1	1	4	0.6	18	22	0.8	26	27	96	758	2147	0
02/12/2022 00:00	2	17	1	1	4	0.5	16	21	1.4	62	27.4	87	757	2146	0
03/12/2022 00:00	5	18	2	1	5	0.7	20	24	1.3	59	27.3	74	757	2147	0
04/12/2022 00:00	4	20	1	1	3	0.8	32	36	1.2	64	27.3	70	758	2151	0
05/12/2022 00:00	3	22	1	1	4	0.7	25	32	1.1	68	27.4	69	758	2153	0
06/12/2022 00:00	4	26	1	1	3	0.7	27	34	1	66	27.3	72	758	2149	0
07/12/2022 00:00	4	24	2	1	4	0.8	22	30	1	60	27.1	74	757	2151	0
08/12/2022 00:00	6	28	2	1	5	0.8	23	28	1.3	58	27.5	78	757	2150	0
09/12/2022 00:00	4	16	1	1	1	1	25	30	1	54	27.1	82	756	2148	0
10/12/2022 00:00	5	30	1	1	1	1.1	30	39	0.8	64	27.5	82	756	2301	0
11/12/2022 00:00	6	28	1	1	1	1.2	38	41	0.7	70	26.8	82	757	2203	0
12/12/2022 00:00	7	27	1	1	1	1.2	32	38	0.8	74	25.7	78	758	2178	0
13/12/2022 00:00	8	21	1	1	1	1.1	31	39	1.5	72	23.9	71	759	2140	0
14/12/2022 00:00	8	26	1	1	1	1.1	41	50	2.1	70	22.2	63	759	2106	0
15/12/2022 00:00	7	18	1	1	1	1.2	45	52	1.3	40	23.2	71	758	2118	0
16/12/2022 00:00	7	26	1	1	1	1.2	49	58	1.1	34	24.7	76	757	2100	0
17/12/2022 00:00	6	17	1	1	1	1.2	30	46	2.9	70	25.1	74	758	2173	0
18/12/2022 00:00	6	13	2	1	2	0.9	22	28	3.6	80	21.5	60	756	2169	0
19/12/2022 00:00	7	26	1	1	6	1.1	24	30	2.4	72	21.2	62	757	2164	0
20/12/2022 00:00	13	20	1	1	1	0.7	32	40	1.4	40	23.1	64	757	2152	0
21/12/2022 00:00	5	41	1	1	2	0.8	40	49	1.3	62	23.5	66	757	2221	0
22/12/2022 00:00	5	21	1	1	1	0.6	33	50	1.5	34	24.9	76	757	2172	0
23/12/2022 00:00	5	42	1	1	1	0.7	48	54	1.2	72	25.1	74	757	2208	0
24/12/2022 00:00	6	25	1	1	1	0.6	37	42	1.9	86	23.5	78	759	2195	0
25/12/2022 00:00	7	26	1	1	2	0.5	27	30	2	75	23.2	74	760	2206	0
26/12/2022 00:00	10	31	1	1	1	0.5	35	36	2	73	22.8	73	761	2198	0
27/12/2022 00:00	8	30	1	1	1	0.6	35	41	1.5	77	23.4	76	760	2172	0
28/12/2022 00:00	7	47	1	1	1	0.6	41	43	1.1	31	23.9	74	760	2147	0
29/12/2022 00:00	7	41	1	1	1	0.6	28	31	1.7	64	24.4	72	761	2149	0
30/12/2022 00:00	6	19	1	1	1	0.7	26	39	2.3	55	24.7	64	761	2167	0
31/12/2022 00:00	9	18	1	1	1	0.7	27	38	1.8	76	23.9	64	760	2198	0
Minimum	2.0	13.0	1.0	1.0	1.0	0.5	16.0	21.0	0.7	26.0	21.2	60.0	756.0	2100.0	0.0
Maximum	13.0	47.0	2.0	1.0	6.0	1.2	49.0	58.0	3.6	86.0	27.5	96.0	761.0	2301.0	0.0
Avg	6.1	25.2	1.1	1.0	2.0	0.8	30.9	37.8	1.5	61.5	25.0	73.4	758.1	2167.1	0.0
Standard	**170** 2/	**170** 2/	**120** 1/	**300** 3/	**300** 3/	**-**	**120** 1/	**330** 1/	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Standard

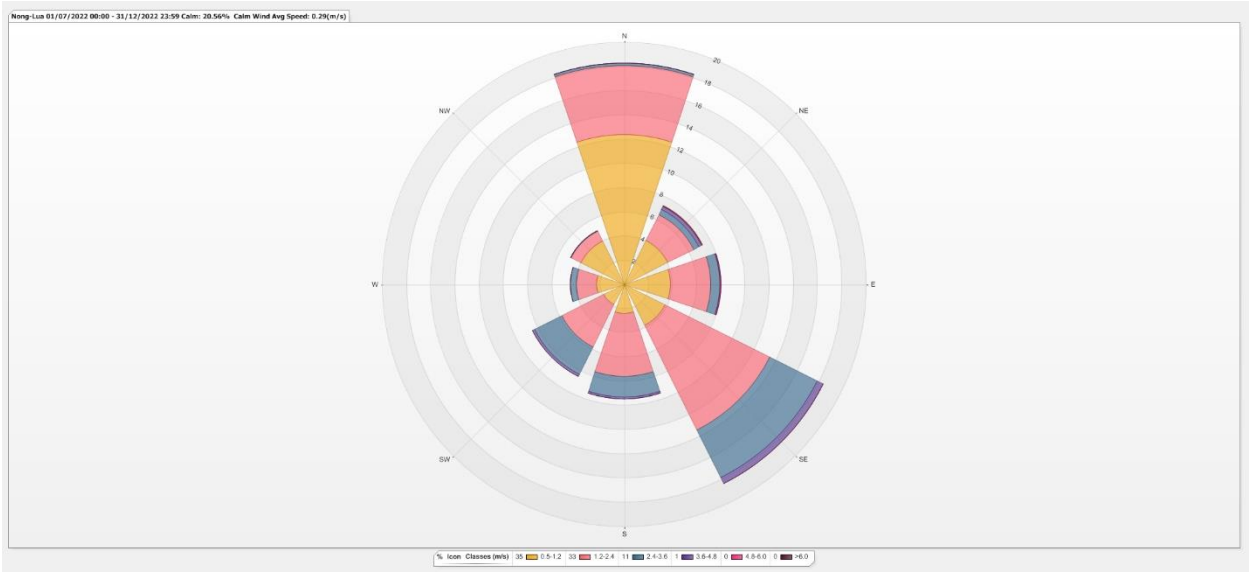
1/ Announcement of National Environment Committee No.24(2004) was regarding the determination of air quality standards in the atmosphere in general Government Gazette General Announcement, volume 121, special episode 104, September 22, 2004.

2/ Announcement of National Environment Committee No.33(2009) Re : Determination of Nitrogen dioxide standard in the atmosphere in general The Government Gazette, volume 126, special episode 114 D, August 14, 2009.

3/ Announcement of National Environment Committee No.21(2001) Re : Determination of Sulfur dioxide standard in the atmosphere, general in 1 hour. The Government Gazette, volume 118, special episode 39, April 30, 2001



บ้านธรรมสินธุ์โสภา



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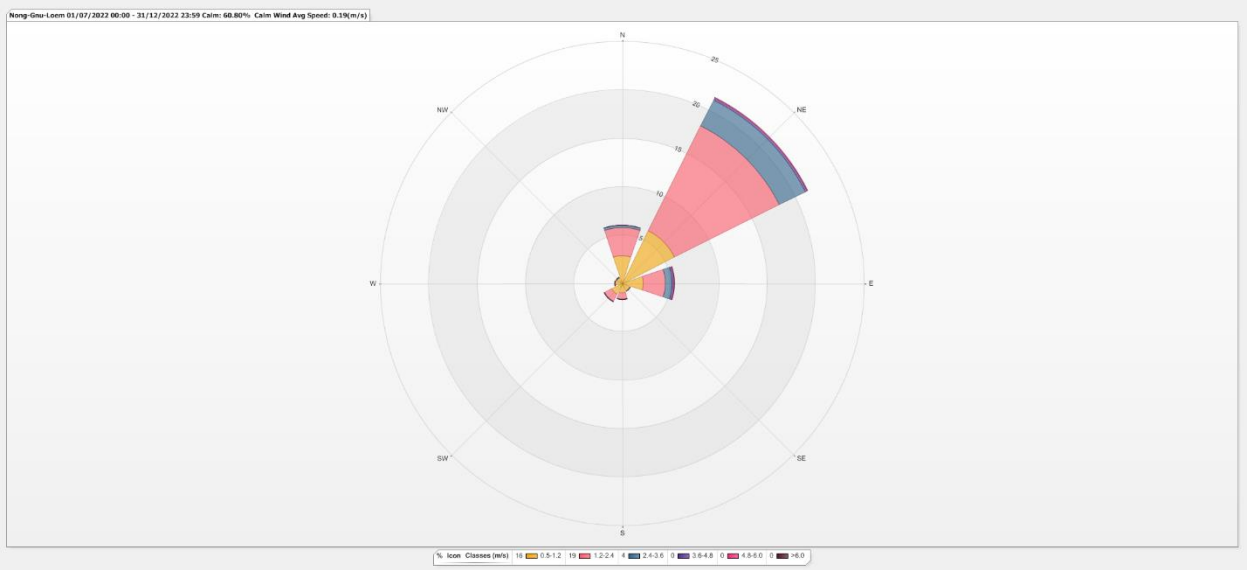

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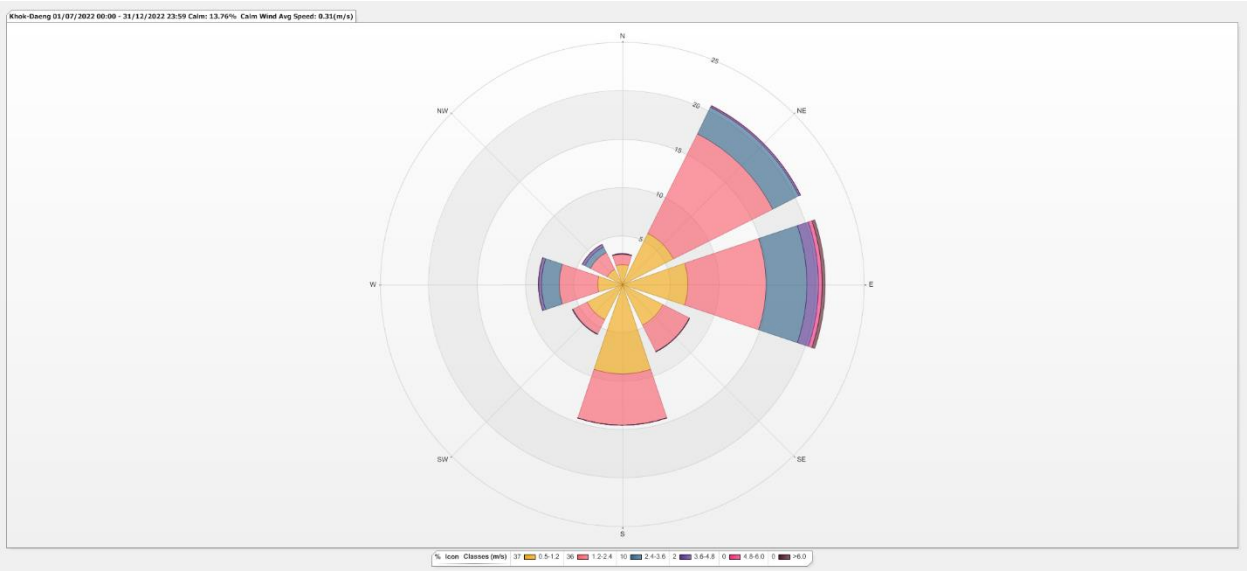

บ้านโคกแดง

ภาคผนวก ค-2

คุณภาพอากาศจากปล่องระบาย โดยระบบตรวจสอบคุณภาพอากาศจากปล่องระบายอากาศแบบต่อเนื่อง (CEMs)

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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01-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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01-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
03-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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05-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C		HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr		ppm	ppm	mg/m3	ppm
11-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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13-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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13-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C		HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr		ppm	ppm	mg/m3	ppm
13-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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14-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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14-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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14-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
21-12-2022 09:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 10:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 11:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 12:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 13:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 14:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 15:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 16:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 17:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 18:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 19:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
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21-12-2022 21:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 22:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 23:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 24:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
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22-12-2022 02:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
22-12-2022 03:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
22-12-2022 04:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
22-12-2022 05:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
22-12-2022 06:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
22-12-2022 07:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
22-12-2022 08:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
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22-12-2022 17:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
22-12-2022 18:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
22-12-2022 19:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
22-12-2022 20:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
22-12-2022 21:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
22-12-2022 22:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
22-12-2022 23:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
22-12-2022 24:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 01:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 02:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 03:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 04:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 05:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 06:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 07:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 08:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 09:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 10:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 11:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 12:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 13:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 14:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 15:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 16:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 17:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 18:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 19:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 20:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 21:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
23-12-2022 22:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 23:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 24:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 01:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 02:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 03:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 04:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 05:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 06:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 07:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 08:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 09:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 10:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 11:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 12:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 13:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 14:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 15:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 16:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 17:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 18:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 19:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 20:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 21:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 22:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 23:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 24:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 01:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 02:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 03:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 04:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 05:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 06:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 07:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 08:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 09:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 10:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 11:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 12:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 13:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 14:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 15:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 16:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 17:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 18:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 19:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 20:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 21:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 22:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 23:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
25-12-2022 24:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 01:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 02:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 03:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 04:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 05:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 06:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 07:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 08:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 09:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 10:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
26-12-2022 11:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 12:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 13:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 14:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 15:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 16:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 17:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 18:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 19:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 20:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 21:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 22:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 23:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 24:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
27-12-2022 01:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
27-12-2022 02:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
27-12-2022 03:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
27-12-2022 04:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
27-12-2022 05:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
27-12-2022 06:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
27-12-2022 07:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
27-12-2022 08:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
27-12-2022 09:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
27-12-2022 10:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
27-12-2022 11:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved C

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
31-12-2022 13:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 14:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 15:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 16:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 17:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 18:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 19:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 20:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 21:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 22:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 23:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 24:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
Minimum	16.90	0.10	0.70	1.70	0.00	13.60	1,265,500.00	36.30	0.20	0.70	0.00
Maximum	24.30	0.30	1.50	2.80	42.30	14.40	1,691,500.00	46.30	0.70	1.50	88.60
Avg	19.53	0.26	1.03	2.28	15.60	14.09	1,453,225.58	39.81	0.51	1.03	33.13
SUM											
STD								STD = 70,120.120	STD = 10.30.20	STD = 20.35.60	STD = 690

Remark : Operation by Fuel Gas

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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01-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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01-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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01-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
03-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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03-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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04-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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04-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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04-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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05-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
08-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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09-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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09-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
11-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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12-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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13-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
18-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
21-12-2022 09:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
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23-12-2022 11:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 12:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 13:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 14:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 15:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 16:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 17:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 18:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 19:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 20:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 21:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
23-12-2022 22:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 23:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 24:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 01:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 02:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 03:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 04:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 05:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 06:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 07:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 08:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 09:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 10:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 11:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 12:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 13:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 14:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
28-12-2022 24:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 01:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 02:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 03:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 04:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 05:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 06:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 07:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
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29-12-2022 09:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 10:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 11:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 12:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 13:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 14:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 15:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 16:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 17:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 18:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 19:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 20:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 21:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 22:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 23:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 24:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 01:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 02:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 03:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 04:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 05:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 06:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 07:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 08:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 09:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 10:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 11:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 12:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 13:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 14:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 15:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 16:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 17:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 18:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 19:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 20:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 21:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 22:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 23:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 24:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 01:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 02:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 03:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 04:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 05:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 06:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 07:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 08:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 09:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 10:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 11:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 12:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
31-12-2022 13:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 14:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 15:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 16:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 17:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 18:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 19:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 20:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 21:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 22:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 23:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 24:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avg	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
SUM											
STD								STD = 70,120,120	STD = 10,30,20	STD = 20,35,60	STD = 690

Remark :

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-12-2022 01:00	20.00	0.00	0.70	1.80	12.70	13.90	1,228,600	40.10	0.00	0.70	25.50
01-12-2022 02:00	21.80	0.00	0.60	1.50	5.00	13.60	1,460,300	41.40	0.00	0.60	9.90
01-12-2022 03:00	22.70	0.00	0.60	1.50	0.00	13.30	1,697,600	41.40	0.00	0.60	0.00
01-12-2022 04:00	22.90	0.00	0.70	1.70	0.00	13.30	1,694,700	41.70	0.00	0.70	0.00
01-12-2022 05:00	22.80	0.00	0.60	1.50	0.00	13.30	1,693,300	41.50	0.00	0.60	0.00
01-12-2022 06:00	22.70	0.00	0.70	1.80	0.00	13.30	1,695,600	41.40	0.00	0.70	0.00
01-12-2022 07:00	22.80	0.00	0.60	1.50	0.00	13.30	1,689,200	41.50	0.00	0.60	0.00
01-12-2022 08:00	22.80	0.00	0.60	1.60	0.00	13.30	1,690,900	41.60	0.00	0.60	0.00
01-12-2022 09:00	22.90	0.00	0.70	1.80	0.00	13.30	1,701,800	41.70	0.00	0.70	0.00
01-12-2022 10:00	22.90	0.00	0.60	1.50	0.00	13.30	1,677,900	41.80	0.00	0.60	0.00
01-12-2022 11:00	23.40	0.00	0.80	1.90	0.00	13.30	1,672,800	42.80	0.00	0.80	0.00
01-12-2022 12:00	23.90	0.00	0.80	1.90	0.00	13.30	1,668,000	43.70	0.00	0.80	0.00
01-12-2022 13:00	21.60	0.00	0.70	1.80	1.40	13.50	1,373,300	40.60	0.00	0.70	2.80
01-12-2022 14:00	23.60	0.00	0.90	2.20	0.20	13.40	1,621,200	43.60	0.00	0.90	0.40
01-12-2022 15:00	23.10	0.00	0.80	2.00	0.20	13.30	1,637,300	42.40	0.00	0.80	0.30
01-12-2022 16:00	21.30	0.00	0.90	2.20	1.60	13.40	1,576,200	39.50	0.00	0.90	3.00
01-12-2022 17:00	21.90	0.00	0.80	2.00	1.20	13.40	1,548,100	40.60	0.00	0.80	2.30
01-12-2022 18:00	21.10	0.00	0.80	2.00	7.70	13.80	1,300,400	41.10	0.00	0.80	15.60
01-12-2022 19:00	22.30	0.00	1.00	2.30	0.00	13.30	1,655,100	40.50	0.00	1.00	0.00
01-12-2022 20:00	22.20	0.00	0.80	1.90	0.00	13.30	1,655,100	40.70	0.00	0.80	0.00
01-12-2022 21:00	22.30	0.00	0.80	2.00	0.00	13.30	1,662,400	40.60	0.00	0.80	0.00
01-12-2022 22:00	22.20	0.00	0.70	1.70	0.00	13.30	1,665,200	40.40	0.00	0.70	0.00
01-12-2022 23:00	22.40	0.00	0.70	1.80	0.00	13.30	1,680,700	40.80	0.00	0.70	0.00
01-12-2022 24:00	22.20	0.00	0.80	1.90	0.00	13.30	1,663,100	40.50	0.00	0.80	0.00
02-12-2022 01:00	22.30	0.00	0.60	1.60	0.00	13.30	1,670,900	40.60	0.00	0.60	0.00
02-12-2022 02:00	22.30	0.00	0.80	2.00	0.00	13.30	1,682,600	40.70	0.00	0.80	0.00
02-12-2022 03:00	21.40	0.00	0.60	1.50	1.60	13.40	1,418,000	39.70	0.00	0.60	3.10
02-12-2022 04:00	21.10	0.00	0.60	1.50	3.20	13.50	1,338,500	39.60	0.00	0.60	6.20
02-12-2022 05:00	20.40	0.00	0.70	1.70	9.30	13.80	1,325,900	39.70	0.00	0.70	18.70
02-12-2022 06:00	21.20	0.00	0.60	1.40	4.60	13.50	1,392,300	39.90	0.00	0.60	9.20
02-12-2022 07:00	20.10	0.00	0.70	1.80	7.30	13.70	1,266,400	38.90	0.00	0.70	14.50
02-12-2022 08:00	19.50	0.00	0.60	1.50	8.00	13.80	1,311,900	38.40	0.00	0.60	15.80
02-12-2022 09:00	19.50	0.00	0.60	1.60	8.60	13.90	1,303,400	38.60	0.00	0.60	17.00
02-12-2022 10:00	19.40	0.00	0.70	1.80	8.40	13.90	1,287,100	38.60	0.00	0.70	16.70
02-12-2022 11:00	20.50	0.00	0.60	1.50	5.90	13.80	1,403,800	40.30	0.00	0.60	11.60
02-12-2022 12:00	20.70	0.00	0.70	1.70	4.60	13.80	1,489,200	40.40	0.00	0.70	9.10
02-12-2022 13:00	19.40	0.00	0.60	1.40	7.70	13.90	1,258,500	38.70	0.00	0.60	15.40
02-12-2022 14:00	18.80	0.00	0.60	1.50	8.80	14.00	1,244,400	37.60	0.00	0.60	17.80
02-12-2022 15:00	18.70	0.00	0.70	1.80	9.10	14.00	1,251,400	37.40	0.00	0.70	18.30
02-12-2022 16:00	18.70	0.00	0.60	1.40	9.60	14.00	1,261,200	37.40	0.00	0.60	19.20
02-12-2022 17:00	19.20	0.00	0.80	1.90	8.50	13.90	1,319,500	38.20	0.00	0.80	17.10
02-12-2022 18:00	20.70	0.00	0.60	1.50	5.70	13.80	1,441,400	40.50	0.00	0.60	11.30
02-12-2022 19:00	22.90	0.00	0.60	1.50	1.30	13.60	1,728,300	43.70	0.00	0.60	2.50
02-12-2022 20:00	19.50	0.00	0.80	1.90	7.90	13.90	1,294,500	38.70	0.00	0.80	15.80
02-12-2022 21:00	18.90	0.00	0.60	1.60	9.40	13.90	1,289,300	37.60	0.00	0.60	18.70
02-12-2022 22:00	18.80	0.00	0.70	1.80	9.70	13.90	1,283,700	37.40	0.00	0.70	19.20
02-12-2022 23:00	20.00	0.00	0.60	1.50	7.20	13.80	1,377,300	39.20	0.00	0.60	14.10
02-12-2022 24:00	20.10	0.00	0.60	1.60	8.40	13.80	1,449,600	39.40	0.00	0.60	16.80
03-12-2022 01:00	19.80	0.00	0.80	1.90	8.00	13.90	1,297,100	39.20	0.00	0.80	15.90
03-12-2022 02:00	19.70	0.00	0.60	1.40	8.50	13.90	1,292,200	39.20	0.00	0.60	17.00
03-12-2022 03:00	19.70	0.00	0.70	1.70	8.40	13.90	1,297,800	39.30	0.00	0.70	16.90
03-12-2022 04:00	19.60	0.00	0.60	1.40	8.40	13.90	1,300,500	39.20	0.00	0.60	16.80
03-12-2022 05:00	19.80	0.00	0.60	1.50	8.30	13.90	1,308,400	39.40	0.00	0.60	16.50
03-12-2022 06:00	19.90	0.00	0.70	1.70	188.60	14.50	1,228,400	40.00	0.00	0.70	179.60
03-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
03-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 03:00	Reser

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @ 1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
06-12-2022 03:00	12.10	0.00	1.10	2.40	115.90	14.60	1,420,500	26.70	0.00	1.10	255.50
06-12-2022 04:00	12.20	0.00	1.40	2.70	116.10	14.60	1,418,200	26.80	0.00	1.40	256.00
06-12-2022 05:00	13.20	0.00	1.10	2.40	101.70	14.60	1,466,500	29.00	0.00	1.10	225.30
06-12-2022 06:00	19.70	0.00	1.30	2.60	13.00	14.30	1,751,800	41.70	0.00	1.30	27.60
06-12-2022 07:00	19.80	0.00	1.40	2.70	11.30	14.30	1,757,400	42.00	0.00	1.40	24.00
06-12-2022 08:00	19.80	0.00	1.10	2.40	11.60	14.30	1,754,000	42.00	0.00	1.10	24.60
06-12-2022 09:00	20.30	0.00	1.50	2.80	9.40	14.30	1,744,400	43.10	0.00	1.50	19.80
06-12-2022 10:00	20.50	0.00	1.10	2.40	7.60	14.30	1,734,600	43.50	0.00	1.10	16.10
06-12-2022 11:00	20.40	0.00	1.20	2.50	7.00	14.30	1,743,900	43.10	0.00	1.20	14.80
06-12-2022 12:00	19.80	0.00	1.50	2.80	7.60	14.30	1,746,900	41.80	0.00	1.50	16.00
06-12-2022 13:00	19.60	0.00	1.20	2.50	7.50	14.30	1,733,100	41.50	0.00	1.20	15.90
06-12-2022 14:00	19.90	0.00	1.50	2.80	6.40	14.30	1,725,700	42.00	0.00	1.50	13.60
06-12-2022 15:00	20.40	0.00	1.10	2.40	5.50	14.30	1,717,300	43.00	0.00	1.10	11.60
06-12-2022 16:00	20.20	0.00	1.30	2.60	5.50	14.30	1,719,600	42.70	0.00	1.30	11.70
06-12-2022 17:00	19.60	0.00	1.40	2.70	6.60	14.30	1,715,100	41.20	0.00	1.40	14.00
06-12-2022 18:00	19.50	0.00	1.10	2.40	7.10	14.30	1,732,900	41.10	0.00	1.10	14.90
06-12-2022 19:00	19.40	0.00	1.40	2.70	7.60	14.30	1,741,400	40.70	0.00	1.40	16.00
06-12-2022 20:00	19.10	0.00	1.10	2.40	9.20	14.30	1,747,300	40.30	0.00	1.10	19.40
06-12-2022 21:00	19.50	0.00	1.40	2.70	9.40	14.30	1,750,100	41.10	0.00	1.40	19.90
06-12-2022 22:00	18.90	0.00	1.70	3.00	10.70	14.30	1,747,500	39.70	0.00	1.70	22.50
06-12-2022 23:00	19.60	0.00	1.40	2.70	9.50	14.30	1,766,700	41.30	0.00	1.40	20.10
06-12-2022 24:00	19.20	0.00	1.70	3.00	10.80	14.30	1,752,300	40.60	0.00	1.70	22.70
07-12-2022 01:00	19.60	0.00	1.30	2.60	10.40	14.30	1,761,500	41.50	0.00	1.30	22.10
07-12-2022 02:00	19.30	0.00	1.40	2.70	11.20	14.30	1,761,000	40.80	0.00	1.40	23.60
07-12-2022 03:00	18.90	0.00	1.60	2.90	12.00	14.30	1,734,400	39.70	0.00	1.60	25.40
07-12-2022 04:00	18.90	0.00	1.20	2.50	12.60	14.30	1,762,300	39.80	0.00	1.20	26.50
07-12-2022 05:00	19.50	0.00	1.60	2.90	11.60	14.30	1,775,500	41.10	0.00	1.60	24.40
07-12-2022 06:00	19.50	0.00	1.30	2.60	11.10	14.30	1,783,100	41.10	0.00	1.30	23.40
07-12-2022 07:00	19.60	0.00	1.40	2.70	11.40	14.30	1,780,200	41.40	0.00	1.50	24.10
07-12-2022 08:00	19.70	0.00	1.60	2.90	11.90	14.30	1,773,300	41.70	0.00	1.60	25.30
07-12-2022 09:00	19.70	0.00	1.30	2.60	11.10	14.30	1,777,800	41.60	0.00	1.30	23.50
07-12-2022 10:00	19.70	0.00	1.70	3.00	10.00	14.30	1,772,600	41.60	0.00	1.70	21.20
07-12-2022 11:00	19.70	0.00	1.20	2.50	9.00	14.30	1,764,600	41.60	0.00	1.20	19.00
07-12-2022 12:00	19.20	0.00	1.30	2.60	8.90	14.30	1,745,700	40.60	0.00	1.30	18.70
07-12-2022 13:00	19.70	0.00	1.50	2.80	8.00	14.30	1,722,700	41.70	0.00	1.50	17.00
07-12-2022 14:00	20.00	0.00	1.10	2.40	6.70	14.30	1,698,600	42.20	0.00	1.10	14.10
07-12-2022 15:00	20.10	0.00	1.40	2.70	6.00	14.30	1,701,800	42.40	0.00	1.40	12.60
07-12-2022 16:00	20.00	0.00	1.10	2.40	6.10	14.30	1,709,100	42.00	0.00	1.10	13.00
07-12-2022 17:00	19.60	0.00	1.10	2.40	6.90	14.30	1,714,700	41.20	0.00	1.10	14.60
07-12-2022 18:00	19.00	0.00	1.30	2.60	7.80	14.30	1,718,700	40.00	0.00	1.30	16.40
07-12-2022 19:00	18.70	0.00	1.00	2.30	9.20	14.30	1,733,500	39.40	0.00	1.00	19.20
07-12-2022 20:00	18.40	0.00	1.60	2.90	11.90	14.30	1,727,000	38.50	0.00	1.60	25.00
07-12-2022 21:00	18.80	0.00	1.30	2.60	11.20	14.30	1,725,800	39.60	0.00	1.30	23.50
07-12-2022 22:00	18.60	0.00	1.30	2.60	11.40	14.30	1,746,600	39.10	0.00	1.30	24.00
07-12-2022 23:00	18.80	0.00	1.50	2.80	10.30	14.30	1,758,600	39.40	0.00	1.50	21.40
07-12-2022 24:00	18.70	0.00	1.20	2.50	12.20	14.30	1,758,100	39.30	0.00	1.20	25.80
08-12-2022 01:00	18.80	0.00	1.50	2.80	12.90	14.30	1,760,300	39.50	0.00	1.50	27.20
08-12-2022 02:00	18.70	0.00	1.10	2.40	12.20	14.30	1,768,300	39.30	0.00	1.10	25.60
08-12-2022 03:00	18.70	0.00	1.20	2.50	12.30	14.30	1,769,300	39.40	0.00	1.20	25.60
08-12-2022 04:00	18.70	0.00	1.50	2.80	12.50	14.30	1,766,600	39.40	0.00	1.50	26.20
08-12-2022 05:00	18.80	0.00	1.10	2.40	12.60	14.30	1,761,600	39.60	0.00	1.10	26.60
08-12-2022 06:00	19.00	0.00	1.50	2.80	11.80	14.30	1,783,000	40.00	0.00	1.50	24.90
08-12-2022 07:00	19.10	0.00	1.30	2.60	12.50	14.30	1,773,300	40.30	0.00	1.30	26.40
08-12-2022 08:00	19.50	0.00	1.30	2.60	12.00	14.30	1,768,300	41.10	0.00	1.30	25.40
08-12-2022 09:00	19.90	0.00	1.50	2.80	10.20	14.30	1,762,400	42.10	0.00	1.50	21.60
08-12-2022 10:00	19.90	0.00	1.30	2.60	9.00	14.30	1,741,500	42.20	0.00	1.30	19.00
08-12-2022 11:00	20.00	0.00	1.50	2.80	7.80	14.30	1,747,000	42.30	0.00	1.50	16.60
08-12-2022 12:00	19.90	0.00	1.30	2.60	7.50	14.30	1,748,800	42.00	0.00	1.30	15.90
08-12-2022 13:00	19.60	0.00	1.10	2.40	7.30	14.30	1,712,200	41.20	0.00	1.10	15.30
08-12-2022 14:00	19.80	0.00	1.40	2.70	6.00	14.30	1,724,400	41.80	0.00	1.40	12.70
08-12-2022 15:00	20.00	0.00	1.20	2.50	5.60	14.30	1,718,700	42.20	0.00	1.20	11.90

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @ 1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
08-12-2022 16:00	19.90	0.00	1.50	2.80	5.60	14.30	1,711,300	41.80	0.00	1.50	11.80
08-12-2022 17:00	19.50	0.00	1.20	2.50	6.60	14.30	1,704,000	41.10	0.00	1.20	13.80
08-12-2022 18:00	19.00	0.00	1.20	2.50	7.40	14.30	1,722,500	39.90	0.00	1.20	15.50
08-12-2022 19:00	19.20	0.00	1.50	2.80	8.30	14.30	1,716,600	40.50	0.00	1.50	17.40
08-12-2022 20:00	19.30	0.00	1.20	2.50	8.70	14.30	1,705,000	40.50	0.00	1.20	18.40
08-12-2022 21:00	19.20	0.00	1.40	2.70	10.80	14.30	1,716,300	40.60	0.00	1.40	22.80
08-12-2022 22:00	19.40	0.00	1.20	2.50	10.60	14.30	1,697,600	41.00	0.00	1.20	22.40
08-12-2022 23:00	19.20	0.00	1.30	2.60	11.20	14.30	1,680,600	40.40	0.00	1.30	23.70
08-12-2022 24:00	18.90	0.00	1.60	2.90	12.00	14.30	1,726,400	39.80	0.00	1.60	25.30
09-12-2022 01:00	19.00	0.00	1.20	2.50	11.10	14.30	1,741,800	39.80	0.00	1.20	23.40
09-12-2022 02:00	19.00	0.00	1.50	2.80	11.40	14.30	1,753,600	39.90	0.00	1.50	24.10
09-12-2022 03:00	18.80	0.00	1.30	2.60	11.60	14.30	1,756,100	39.50	0.00	1.30	24.30
09-12-2022 04:00	18.90	0.00	1.40	2.70	12.40	14.30	1,754,200	39.60	0.00	1.40	26.00
09-12-2022 05:00	18.80	0.00	1.60	2.90	12.10	14.30	1,768,500	39.40	0.00	1.60	25.40
09-12-2022 06:00	18.80	0.00	1.20	2.50	11.90	14.30	1,767,400	39.40	0.00	1.20	24.90
09-12-2022 07:00	18.90	0.00	1.50	2.80	12.60	14.30	1,752,100	39.70	0.00	1.50	26.50
09-12-2022 08:00	19.00	0.00	1.30	2.60	12.60	14.30	1,772,500	40.00	0.00	1.30	26.50
09-12-2022 09:00	19.10	0.00	1.30	2.60	11.10	14.30	1,774,700	40.20	0.00	1.30	23.30
09-12-2022 10:00	19.50	0.00	1.50	2.80	9.30	14.30	1,763,600	41.10	0.00	1.50	19.60
09-12-2022 11:00	19.50	0.00	1.20	2.50	8.50	14.30	1,757,300	41.10	0.00	1.20	18.00
09-12-2022 12:00	19.40	0.00	1.50	2.80	8.30	14.30	1,744,700	40.80	0.00	1.50	17.50
09-12-2022 13:00	17.80	0.00	1.10	2.40	22.40	14.40	1,684,000	37.70	0.00	1.10	48.50
09-12-2022 14:00	19.40	0.00	1.20	2.50	7.20	14.30	1,726,800	40.80	0.00	1.20	15.20
09-12-2022 15:00	19.80	0.00	1.40	2.70	6.40	14.30	1,682,700	41.70	0.00	1.40	13.40
09-12-2022 16:00	19.50	0.00	1.10	2.40	6.80	14.30	1,684,900	41.10	0.00	1.10	14.30
09-12-2022 17:00	19.30	0.00	1.40	2.70	7.50	14.30	1,708,200	40.70	0.00	1.40	15.90
09-12-2022 18:00	19.20	0.00	1.00	2.30	7.80	14.30	1,697,200	40.40	0.00	1.00	16.40
09-12-2022 19:00	19.20	0.00	1.30	2.60	8.00	14.30	1,713,900	40.40	0.00	1.30	16.80
09-12-2022 20:00	19.20	0.00	1.50	2.80	8.90	14.30	1,736,200	40.40	0.00	1.50	18.80
09-12-2022 21:00	19.20	0.00	1.30	2.60	9.90	14.30	1,741,700	40.40	0.00	1.30	21.00
09-12-2022 22:00	19.30	0.00	1.70	3.00	10.60	14.30	1,735,500	40.70	0.00	1.70	22.40
09-12-2022 23:00	18.30	0.00	1.40	2.70	23.30	14.30	1,695,600	38.60	0.00	1.40	50.50
09-12-2022 24:00	25.40	0.00	1.40	2.70	48.41	14.10	1,197,500	51.40	0.00	1.40	100.00
10-12-2022 01:00	21.60	0.00	1.20	2.50	5.20	13.70	1,379,500	41.80	0.00	1.20	10.50
10-12-2022 02:00	22.60	0.00	0.80	1.90	0.50	13.40	1,632,100	42.00	0.00	0.80	0.90
10-12-2022 03:00	21.10	0.00	0.80	2.00	7.40	13.80	1,255,900	41.30	0.00	0.80	14.80
10-12-2022 04:00	21.30	0.00	0.60	1.50	8.70	13.90	1,214,700	42.20	0.00	0.60	17.60
10-12-2022 05:00	20.40	0.00	0.70	1.80	14.20	14.10	1,194,300	41.50	0.00	0.70	29.00
10-12-2022 06:00	21.30	0.00	0.90	2.10	10.20	13.90	1,251,800	42.00	0.00	0.90	20.60
10-12-2022 07:00	22.60	0.00	0.70	1.80	0.40	13.40	1,632,300	41.70	0.00	0.70	0.80
10-12-2022 08:00	22.60	0.00	0.80	2.00	0.70	13.40	1,575,800	41.80	0.00	0.80	1.40
10-12-2022 09:00	23.10	0.00	0.70	1.80	0.00	13.30	1,706,300	42.40	0.00	0.70	0.00
10-12-2022 10:00	23.90	0.00	0.90	2.10	0.00	13.30	1,680,800	43.90	0.00	0.90	0.00
10-12-2022 11:00	24.50	0.00	1.10	2.40	0.00	13.30	1,673,700	45.20	0.00	1.10	0.00
10-12-2022 12:00	25.00	0.00	0.90	2.10	0.00	13.40	1,658,500	46.10	0.00	0.90	0.00
10-12-2022 13:00	20.90	0.00	0.80	1.90	7.40	13.90	1,260,300	41.50	0.00	0.80	15.30
10-12-2022 14:00	25.30	0.00	0.70	1.80	0.10	13.40	1,622,800	46.70	0.00	0.70	0.10
10-12-2022 15:00	26.10	0.00	0.80	1.90	0.00	13.40	1,633,500	48.20	0.00	0.80	0.00
10-12-2022 16:00	20.20	0.00	0.90	2.10	2.00	13.10	1,219,700	47.70	0.20	0.90	0.10
10-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @ 1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
11-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Sh

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
16-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-12-2022 06:00	21.90	0.00	1.40	2.70	5.70	14.30	1,794,500	46.00	0.00	1.40	12.10
17-12-2022 07:00	20.20	0.00	1.40	2.70	10.80	14.30	1,766,900	42.70	0.00	1.40	23.00
17-12-2022 08:00	20.30	0.00	1.30	2.60	7.90	14.30	1,792,600	42.80	0.00	1.30	16.60
17-12-2022 09:00	20.20	0.00	1.50	2.80	7.80	14.30	1,792,900	42.70	0.00	1.50	16.50
17-12-2022 10:00	20.10	0.00	1.20	2.50	7.20	14.30	1,791,500	42.50	0.00	1.20	15.10
17-12-2022 11:00	20.10	0.00	1.40	2.70	6.30	14.30	1,776,100	42.40	0.00	1.40	13.30
17-12-2022 12:00	19.90	0.00	1.10	2.40	6.50	14.30	1,763,700	41.90	0.00	1.10	13.70
17-12-2022 13:00	19.60	0.00	1.20	2.50	7.40	14.30	1,746,600	41.50	0.00	1.20	15.70
17-12-2022 14:00	19.80	0.00	1.30	2.60	6.50	14.30	1,744,200	41.90	0.00	1.30	13.80
17-12-2022 15:00	20.10	0.00	1.00	2.30	6.00	14.30	1,744,700	42.40	0.00	1.00	12.70
17-12-2022 16:00	20.10	0.00	1.30	2.60	6.30	14.30	1,760,400	42.40	0.00	1.30	13.40
17-12-2022 17:00	20.20	0.00	1.30	2.60	6.40	14.30	1,764,900	42.80	0.00	1.30	13.50
17-12-2022 18:00	20.30	0.00	1.40	2.70	6.60	14.30	1,768,800	43.00	0.00	1.40	13.90
17-12-2022 19:00	20.30	0.00	1.50	2.80	7.20	14.40	1,770,000	43.10	0.00	1.50	15.30
17-12-2022 20:00	20.20	0.00	1.20	2.50	7.70	14.40	1,773,200	43.00	0.00	1.20	16.40
17-12-2022 21:00	20.30	0.00	1.50	2.80	7.80	14.40	1,782,500	43.20	0.00	1.50	16.70
17-12-2022 22:00	20.40	0.00	1.20	2.50	7.90	14.40	1,777,900	43.30	0.00	1.20	16.90
17-12-2022 23:00	20.90	0.00	1.20	2.50	7.80	14.40	1,787,700	44.40	0.00	1.20	16.10
17-12-2022 24:00	20.30	0.00	1.40	2.70	13.50	14.40	1,769,500	43.50	0.00	1.40	29.40
18-12-2022 01:00	16.10	0.00	1.20	2.50	58.70	14.60	1,580,300	35.20	0.00	1.20	130.40
18-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
18-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-12-2022 02:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 03:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 04:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 05:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 06:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 07:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 08:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
21-12-2022 09:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 10:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 11:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 12:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 13:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 14:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 15:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 16:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
21-12-2022 17:00	Achieved CAH	Achieved CAH	Achieved CAH	Achie

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
26-12-2022 11:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 12:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 13:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 14:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 15:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 16:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 17:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 18:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 19:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 20:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 21:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 22:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 23:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
26-12-2022 24:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
27-12-2022 01:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
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27-12-2022 03:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
27-12-2022 04:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
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27-12-2022 06:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
27-12-2022 07:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
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27-12-2022 22:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
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28-12-2022 15:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
28-12-2022 16:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
28-12-2022 17:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
28-12-2022 18:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
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28-12-2022 22:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
28-12-2022 23:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
28-12-2022 24:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 01:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 02:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 03:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 04:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
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30-12-2022 06:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
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30-12-2022 10:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 11:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 12:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 13:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 14:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 15:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 16:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 17:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 18:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 19:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 20:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 21:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 22:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 23:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
30-12-2022 24:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 01:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 02:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 03:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 04:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 05:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 06:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 07:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 08:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 09:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 10:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 11:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 12:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
31-12-2022 13:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 14:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 15:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 16:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 17:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 18:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 19:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 20:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 21:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 22:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 23:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
31-12-2022 24:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
Minimum	12.10	0.00	0.60	1.40	0.00	13.30	1,194,300.00	26.70	0.00	0.60	0.00
Maximum	26.10	0.40	1.70	3.00	188.60	15.10	1,794,500.00	51.40	0.30	1.70	256.00
Avg	20.07	0.00	1.11	2.32	10.94	14.07	1,637,816.75	40.79	0.00	1.11	22.04
SUM											
STD								STD = 70,120.120	STD = 10.30 20	STD = 20,35.60	STD = 690

Remark : Operation by Fuel Gas and Fuel Oil

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-12-2022 01:00	20.50	0.20	0.70	1.70	5.20	13.90	1,189,800	40.50	0.40	0.70	10.30
01-12-2022 02:00	21.30	0.20	0.70	1.70	2.10	13.50	1,437,700	40.20	0.30	0.70	4.20
01-12-2022 03:00	20.90	0.20	0.60	1.60	0.00	13.20	1,638,900	37.90	0.30	0.60	0.00
01-12-2022 04:00	20.90	0.20	0.60	1.60	0.00	13.20	1,669,700	37.80	0.30	0.60	0.10
01-12-2022 05:00	20.60	0.20	0.70	1.70	0.00	13.20	1,653,500	37.40	0.30	0.70	0.00
01-12-2022 06:00	20.60	0.20	0.70	1.70	0.00	13.20	1,655,200	37.30	0.40	0.70	0.00
01-12-2022 07:00	20.60	0.20	0.70	1.70	0.00	13.20	1,632,100	37.30	0.30	0.70	0.00
01-12-2022 08:00	20.90	0.20	0.70	1.70	0.00	13.20	1,640,600	37.90	0.30	0.70	0.10
01-12-2022 09:00	20.60	0.20	0.70	1.70	0.00

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
03-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-12-2022 14:00	18.10	0.40	2.20	3.40	3.70	14.20	1,786,900	37.70	0.80	2.20	7.70
05-12-2022 15:00	16.60	0.50	2.10	3.30	5.10	14.20	1,759,800	34.40	1.00	2.10	10.50
05-12-2022 16:00	15.60	0.50	2.30	3.50	7.70	14.20	1,714,100	32.50	1.10	2.30	16.00
05-12-2022 17:00	15.60	0.60	2.50	3.60	8.70	14.20	1,703,400	32.60	1.20	2.50	18.10
05-12-2022 18:00	15.60	0.60	2.70	3.70	8.60	14.20	1,741,000	32.50	1.20	2.70	18.00
05-12-2022 19:00	15.20	0.60	2.80	3.80	9.40	14.20	1,728,200	31.70	1.20	2.80	19.70
05-12-2022 20:00	15.30	0.60	2.80	3.80	10.00	14.20	1,726,000	32.00	1.20	2.80	21.00
05-12-2022 21:00	15.10	0.60	2.80	3.80	10.40	14.20	1,724,000	31.40	1.20	2.80	21.70
05-12-2022 22:00	15.20	0.60	2.80	3.80	10.70	14.20	1,725,900	31.70	1.20	2.80	22.40
05-12-2022 23:00	15.00	0.60	2.50	3.60	11.20	14.20	1,707,700	31.20	1.20	2.50	23.40
05-12-2022 24:00	14.80	0.60	2.80	3.80	12.60	14.20	1,721,200	30.80	1.20	2.80	26.40
06-12-2022 01:00	15.40	0.60	2.80	3.80	11.30	14.20	1,715,300	32.10	1.20	2.80	23.70
06-12-2022 02:00	10.30	0.60	3.20	4.00	110.70	14.50	1,445,800	22.10	1.30	3.20	240.60

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
06-12-2022 03:00	9.60	0.60	3.50	4.20	132.40	14.50	1,399,100	20.90	1.30	3.50	288.40
06-12-2022 04:00	9.70	0.60	3.50	4.20	130.90	14.50	1,391,300	21.10	1.30	3.50	285.40
06-12-2022 05:00	10.50	0.60	3.50	4.20	114.90	14.50	1,427,000	22.80	1.30	3.50	251.60
06-12-2022 06:00	16.00	0.60	3.00	3.90	11.60	14.30	1,722,200	33.60	1.20	3.00	24.50
06-12-2022 07:00	16.10	0.60	3.00	3.90	10.50	14.30	1,729,300	33.80	1.30	3.00	22.00
06-12-2022 08:00	16.20	0.60	2.80	3.80	10.70	14.30	1,732,700	33.90	1.20	2.80	22.60
06-12-2022 09:00	16.60	0.60	2.80	3.80	8.80	14.30	1,742,000	35.00	1.30	2.80	18.50
06-12-2022 10:00	16.80	0.60	2.70	3.70	7.40	14.30	1,772,300	35.40	1.30	2.70	15.50
06-12-2022 11:00	16.50	0.60	2.70	3.70	7.30	14.30	1,743,800	34.80	1.30	2.70	15.30
06-12-2022 12:00	16.00	0.60	2.70	3.70	7.80	14.30	1,733,700	33.60	1.30	2.70	16.30
06-12-2022 13:00	16.10	0.60	2.30	3.50	7.50	14.30	1,742,700	33.70	1.30	2.30	15.80
06-12-2022 14:00	16.20	0.60	2.20	3.40	7.00	14.30	1,730,500	34.00	1.30	2.20	14.70
06-12-2022 15:00	16.40	0.60	2.20	3.40	6.60	14.30	1,728,000	34.50	1.30	2.20	13.90
06-12-2022 16:00	15.90	0.60	2.20	3.40	7.60	14.30	1,736,200	33.50	1.30	2.20	16.00
06-12-2022 17:00	15.80	0.60	2.20	3.40	7.60	14.30	1,730,100	33.00	1.30	2.20	16.00
06-12-2022 18:00	15.60	0.60	2.50	3.60	8.00	14.30	1,729,600	32.70	1.30	2.50	16.80
06-12-2022 19:00	15.60	0.60	2.70	3.70	8.40	14.30	1,716,100	32.70	1.30	2.70	17.70
06-12-2022 20:00	15.60	0.60	2.70	3.70	9.20	14.30	1,743,600	32.50	1.20	2.70	19.30
06-12-2022 21:00	15.90	0.60	2.80	3.80	8.80	14.30	1,733,900	33.30	1.30	2.80	18.50
06-12-2022 22:00	15.40	0.60	3.00	3.90	10.20	14.30	1,718,000	32.10	1.30	3.00	21.30
06-12-2022 23:00	16.00	0.60	3.00	3.90	9.20	14.30	1,726,600	33.40	1.30	3.00	19.20
06-12-2022 24:00	15.60	0.60	3.00	3.90	10.40	14.30	1,756,100	32.70	1.30	3.00	21.70
07-12-2022 01:00	15.90	0.60	3.20	4.00	10.00	14.30	1,726,800	33.40	1.30	3.20	21.00
07-12-2022 02:00	15.80	0.60	3.00	3.90	10.00	14.20	1,737,600	33.10	1.30	3.00	21.00
07-12-2022 03:00	15.40	0.60	2.80	3.80	11.50	14.20	1,727,300	32.30	1.30	2.80	24.10
07-12-2022 04:00	15.60	0.60	2.70	3.70	11.60	14.20	1,727,800	32.50	1.20	2.70	24.40
07-12-2022 05:00	15.80	0.60	2.80	3.80	10.70	14.30	1,740,600	33.10	1.20	2.80	22.40
07-12-2022 06:00	15.90	0.60	2.80	3.80	10.40	14.30	1,744,300	33.30	1.30	2.80	21.70
07-12-2022 07:00	15.90	0.60	2.80	3.80	10.60	14.30	1,759,400	33.40	1.30	2.80	22.20
07-12-2022 08:00	16.10	0.60	3.00	3.90	11.00	14.30	1,761,100	33.70	1.30	3.00	23.10
07-12-2022 09:00	16.00	0.60	3.00	3.90	10.10	14.30	1,731,100	33.50	1.30	3.00	21.20
07-12-2022 10:00	16.10	0.60	2.80	3.80	9.30	14.30	1,725,300	33.70	1.30	2.80	19.40
07-12-2022 11:00	16.00	0.60	2.70	3.70	8.70	14.30	1,747,600	33.60	1.20	2.70	18.30
07-12-2022 12:00	15.60	0.60	2.70	3.70	8.80	14.30	1,735,900	32.70	1.30	2.70	18.50
07-12-2022 13:00	16.00	0.60	2.30	3.50	8.20	14.30	1,726,500	33.70	1.20	2.30	17.20
07-12-2022 14:00	16.30	0.60	2.30	3.50	7.30	14.30	1,731,000	34.10	1.20	2.30	15.30
07-12-2022 15:00	16.30	0.60	2.20	3.40	6.70	14.30	1,747,300	34.20	1.30	2.20	14.20
07-12-2022 16:00	15.80	0.60	2.20	3.40	8.20	14.30	1,719,900	33.20	1.30	2.20	17.20
07-12-2022 17:00	15.80	0.60	2.20	3.40	7.90	14.30	1,731,400	33.20	1.30	2.20	16.60
07-12-2022 18:00	15.50	0.60	2.20	3.40	8.40	14.20	1,747,600	32.40	1.30	2.20	17.60
07-12-2022 19:00	15.40	0.60	2.30	3.50	9.50	14.20	1,739,400	32.10	1.20	2.30	19.90
07-12-2022 20:00	15.50	0.60	3.20	4.00	11.20	14.20	1,739,500	32.30	1.20	3.20	23.30
07-12-2022 21:00	15.80	0.60	2.80	3.80	10.40	14.20	1,720,200	32.90	1.20	2.80	21.80
07-12-2022 22:00	15.30	0.60	2.70	3.70	10.60	14.20	1,709,800	31.90	1.30	2.70	22.20
07-12-2022 23:00	15.40	0.60	2.70	3.70	10.30	14.20	1,727,700	32.10	1.30	2.70	21.50
07-12-2022 24:00	15.40	0.60	2.50	3.60	11.30	14.20	1,724,200	32.20	1.20	2.50	23.70
08-12-2022 01:00	15.40	0.60	2.30	3.50	12.10	14.20	1,725,200	32.00	1.20	2.30	25.40
08-12-2022 02:00	15.40	0.60	2.30	3.50	11.30	14.20	1,725,500	32.10	1.20	2.30	23.50
08-12-2022 03:00	15.50	0.50	2.50	3.60	11.50	14.20	1,719,900	32.30	1.10	2.50	24.00
08-12-2022 04:00	15.40	0.60	2.70	3.70	11.50	14.20	1,734,100	32.00	1.20	2.70	24.00
08-12-2022 05:00	15.40	0.60	2.80	3.80	11.30	14.20	1,734,100	32.10	1.20	2.80	23.60
08-12-2022 06:00	15.60	0.60	2.70	3.70	10.80	14.20	1,734,800	32.40	1.20	2.70	22.40
08-12-2022 07:00	15.60	0.60	2.80	3.80	11.20	14.20	1,719,100	32.50	1.20	2.80	23.50
08-12-2022 08:00	15.90	0.60	2.80	3.80	10.70	14.30	1,720,000	33.20	1.20	2.80	22.40
08-12-2022 09:00	16.30	0.60	2.80	3.80	9.20	14.30	1,727,600	34.10	1.20	2.80	19.30
08-12-2022 10:00	16.30	0.60	2.80	3.80	8.30	14.30	1,747,800	34.20	1.30	2.80	17.50
08-12-2022 11:00	16.20	0.60	2.70	3.70	8.00	14.30	1,736,000	34.00	1.30	2.70	16.80
08-12-2022 12:00	16.00	0.60	2.80	3.80	7.60	14.30	1,732,600	33.70	1.30	2.80	16.00
08-12-2022 13:00	15.70	0.60	2.30	3.50	7.70	14.30	1,723,600	32.90	1.30	2.30	16.20
08-12-2022 14:00	15.50	0.60	2.20	3.40	8.00	14.30	1,753,500	32.50	1.20	2.20	16.70
08-12-2022 15:00	16.00	0.60	2.20	3.40	6.40	14.30	1,738,800	33.60	1.30	2.20	13.40

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
08-12-2022 16:00	15.90	0.60	2.20	3.40	6.40	14.30	1,724,700	33.30	1.30	2.20	13.50
08-12-2022 17:00	15.60	0.60	2.20	3.40	7.20	14.30	1,720,700	32.70	1.30	2.20	15.10
08-12-2022 18:00	15.30	0.60	2.30	3.50	8.10	14.20	1,716,700	32.00	1.30	2.30	16.90
08-12-2022 19:00	16.00	0.60	2.30	3.50	7.80	14.30	1,724,300	33.50	1.20	2.30	16.30
08-12-2022 20:00	16.00	0.60	2.30	3.50	8.50	14.30	1,741,400	33.60	1.20	2.30	17.90
08-12-2022 21:00	16.20	0.60	2.80	3.80	9.60	14.30	1,737,700	34.00	1.20	2.80	20.10
08-12-2022 22:00	16.40	0.60	3.00	3.90	9.20	14.30	1,743,700	34.30	1.20	3.00	19.30
08-12-2022 23:00	16.00	0.60	2.50	3.60	10.30	14.30	1,731,100	33.40	1.30	2.50	21.60
08-12-2022 24:00	15.70	0.60	2.50	3.60	10.90	14.20	1,725,300	32.70	1.20	2.50	22.90
09-12-2022 01:00	15.70	0.60	2.30	3.50	10.10	14.20	1,718,400	32.80	1.20	2.30	21.10
09-12-2022 02:00	15.70	0.50	2.30	3.50	10.30	14.20	1,754,500	32.90	1.10	2.30	21.50
09-12-2022 03:00	15.60	0.60	2.50	3.60	10.00	14.20	1,737,600	32.50	1.20	2.50	22.10
09-12-2022 04:00	15.50	0.50	2.30	3.50	11.10	14.20	1,714,400	32.20	1.10	2.30	23.20
09-12-2022 05:00	15.40	0.50	2.30	3.50	11.00	14.20	1,719,800	32.10	1.10	2.30	23.00
09-12-2022 06:00	15.60	0.50	2.30	3.50	10.90	14.20	1,714,500	32.40	1.10	2.30	22.60
09-12-2022 07:00	15.50	0.50	2.70	3.70	11.30	14.20	1,728,400	32.30	1.10	2.70	23.70
09-12-2022 08:00	15.40	0.50	2.80	3.80	11.00	14.20	1,744,600	32.20	1.10	2.80	22.90
09-12-2022 09:00	15.50	0.60	2.70	3.70	10.00	14.20	1,728,700	32.40	1.20	2.70	20.90
09-12-2022 10:00	15.90	0.60	2.70	3.70	8.70	14.30	1,725,600	33.20	1.20	2.70	18.10
09-12-2022 11:00	15.80	0.60	2.70	3.70	8.30	14.30	1,740,000	33.00	1.20	2.70	17.50
09-12-2022 12:00	15.70	0.60	2.70	3.70	8.10	14.30	1,719,400	32.80	1.20	2.70	17.00
09-12-2022 13:00	14.50	0.60	2.50	3.60	21.50	14.30	1,691,600	30.50	1.30	2.50	46.20
09-12-2022 14:00	15.60	0.60	2.20	3.40	7.40	14.30	1,723,600	32.70	1.30	2.20	15.40
09-12-2022 15:00	15.90	0.60	2.30	3.50	6.90	14.30	1,739,800	33.20	1.30	2.30	14.40
09-12-2022 16:00	15.70	0.60	2.20	3.40	7.00	14.30	1,713,600	32.80	1.30	2.20	14.60
09-12-2022 17:00	15.50	0.60	2.50	3.60	7.50	14.20	1,713,000	32.40	1.20	2.50	15.80
09-12-2022 18:00	15.60	0.60	2.50	3.60	7.40	14.20	1,735,300	32.50	1.30	2.50	15.40
09-12-2022 19:00	15.50	0.60	2.80	3.80	7.60	14.20	1,748,100	32.30	1.30	2.80	15.90
09-12-2022 20:00	15.30	0.60	3.00	3.90	8.90	14.20	1,735,300	32.00	1.30	3.00	18.60
09-12-2022 21:00	15.40	0.60	3.00	3.90	9.00	14.20	1,725,800	32.20	1.30	3.00	18.90
09-12-2022 22:00	15.80	0.60	3.20	4.00	9.10	14.30	1,732,100	33.00	1.20	3.20	19.10
09-12-2022 23:00	15.10	0.60	3.00	3.90	25.00	14.30	1,685,900	31.70	1.20	3.00	53.90
09-12-2022 24:00	23.00	0.60	2.50	3.60	32.74	14.00	1,175,300	45.70	1.20	2.50	66.93
10-12-2022 01:00	21.50	0.20	0.80	2.00	2.00	13.60	1,350,700	41.10	0.30	0.80	3.90
10-12-2022 02:00	21.40	0.20	0.90	2.10	0.20	13.30	1,590,500	39.20	0.30	0.90	0.40
10-12-2022 03:00	21.10	0.20	0.80	1.90	3.50	13.70	1,236,500	40.90	0.30	0.80

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
13-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
16-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-12-2022 12:00	19.60	0.40	2.80	3.80	61.20	14.40	1,580,500	42.30	0.80	2.80	140.80
16-12-2022 13:00	20.70	0.30	2.50	3.60	1.90	14.20	1,814,200	43.30	0.60	2.50	3.90
16-12-2022 14:00	19.30	0.40	2.30	3.50	2.80	14.30	1,786,400	40.40	0.80	2.30	5.90
16-12-2022 15:00	19.80	0.40	2.30	3.50	2.10	14.30	1,779,700	41.40	0.90	2.30	4.40
16-12-2022 16:00	20.00	0.50	2.80	3.80	2.00	14.30	1,783,100	42.10	1.00	2.80	4.20
16-12-2022 17:00	19.60	0.50	3.50	4.20	2.30	14.30	1,790,300	41.10	1.00	3.50	4.90
16-12-2022 18:00	19.40	0.50	3.50	4.20	2.70	14.30	1,788,200	40.60	1.10	3.50	5.80
16-12-2022 19:00	19.10	0.50	3.30	4.10	3.30	14.30	1,799,800	39.90	1.10	3.30	6.90
16-12-2022 20:00	18.40	0.50	3.00	3.90	3.90	14.20	1,825,400	38.40	1.10	3.00	8.10
16-12-2022 21:00	18.30	0.50	2.50	3.60	4.30	14.20	1,788,700	38.20	1.10	2.50	9.00
16-12-2022 22:00	18.20	0.60	2.70	3.70	4.40	14.20	1,784,200	37.80	1.20	2.70	9.20
16-12-2022 23:00	18.40	0.60	2.50	3.60	4.70	14.20	1,782,300	38.50	1.20	2.50	9.80
16-12-2022 24:00	18.20	0.50	2.30	3.50	5.10	14.20	1,788,100	37.90	1.10	2.30	10.70
17-12-2022 01:00	18.20	0.50	2.50	3.60	4.90	14.20	1,798,600	38.00	1.10	2.50	10.30
17-12-2022 02:00	18.00	0.50	2.80	3.80	5.30	14.20	1,801,000	37.60	1.10	2.80	11.10
17-12-2022 03:00	17.90	0.50	3.00	3.90	5.70	14.20	1,791,300	37.30	1.10	3.00	11.80
17-12-2022 04:00	18.60	0.50	3.00	3.90	4.50	14.20	1,795,600	38.80	1.00	3.00	9.40
17-12-2022 05:00	20.50	0.50	2.80	3.80	2.00	14.20	1,866,900	42.60	1.10	2.80	4.10
17-12-2022 06:00	16.90	0.50	2.70	3.70	6.90	14.20	1,741,300	35.20	1.10	2.70	14.50
17-12-2022 07:00	15.70	0.50	2.80	3.80	13.70	14.30	1,716,100	32.90	1.10	2.80	28.80
17-12-2022 08:00	16.10	0.50	2.80	3.80	10.00	14.30	1,753,400	33.70	1.10	2.80	20.90
17-12-2022 09:00	16.30	0.50	2.70	3.70	9.70	14.30	1,716,000	34.00	1.10	2.70	20.20
17-12-2022 10:00	16.40	0.50	2.50	3.60	8.50	14.30	1,739,300	34.30	1.00	2.50	17.80
17-12-2022 11:00	16.40	0.50	2.70	3.70	7.50	14.30	1,734,600	34.40	1.10	2.70	15.60
17-12-2022 12:00	16.10	0.50	2.80	3.80	7.60	14.30	1,723,000	33.60	1.10	2.80	15.90
17-12-2022 13:00	16.00	0.50	2.70	3.70	8.30	14.30	1,720,300	33.50	1.10	2.70	17.40
17-12-2022 14:00	16.20	0.50	2.70	3.70	7.10	14.30	1,719,200	34.00	1.10	2.70	14.90
17-12-2022 15:00	16.30	0.50	2.70	3.70	7.10	14.30	1,741,200	34.20	1.10	2.70	14.90
17-12-2022 16:00	16.30	0.60	2.70	3.70	7.20	14.30	1,724,700	34.20	1.20	2.70	15.10
17-12-2022 17:00	16.60	0.50	2.70	3.70	6.90	14.30	1,736,100	34.90	1.10	2.70	14.60
17-12-2022 18:00	16.90	0.50	2.70	3.70	7.00	14.30	1,747,400	35.60	1.10	2.70	14.80
17-12-2022 19:00	17.00	0.50	2.70	3.70	7.50	14.30	1,745,400	35.80	1.10	2.70	15.10
17-12-2022 20:00	16.90	0.50	2.80	3.80	7.50	14.30	1,723,500	35.40	1.10	2.80	15.70
17-12-2022 21:00	16.90	0.50	3.00	3.90	7.90	14.30	1,748,100	35.50	1.10	3.00	16.60
17-12-2022 22:00	17.00	0.50	2.80	3.80	8.10	14.30	1,728,800	35.90	1.10	2.80	17.00
17-12-2022 23:00	17.50	0.50	2.80	3.80	7.70	14.30	1,755,900	36.90	1.10	2.80	16.30
17-12-2022 24:00	17.00	0.50	3.00	3.90	13.80	14.30	1,723,100	35.90	1.10	3.00	29.70
18-12-2022 01:00	13.30	0.50	3.30	4.10	67.70	14.50	1,544,800	28.70	1.10	3.30	148.60
18-12-2022 02:00	12.50	0.50	3.00	3.90	71.80	14.50	1,503,900	27.10	1.20	3.00	156.90
18-12-2022 03:00	13.10	0.60	3.30	4.10	58.10	14.50	1,595,400	28.40	1.20	3.30	126.90
18-12-2022 04:00	13.30	0.60	3.50	4.20	59.90	14.50	1,625,500	28.90	1.20	3.50	130.50
18-12-2022 05:00	13.50	0.60	3.50	4.20	60.10	14.50	1,574,000	29.30	1.20	3.50	131.00
18-12-2022 06:00	13.60	0.50	3.50	4.20	60.80	14.50	1,564,300	29.50	1.20	3.50	132.60
18-12-2022 07:00	13.70	0.50	3.50	4.20	60.40	14.50	1,563,300	29.80	1.20	3.50	131.90
18-12-2022 08:00	13.70	0.50	3.30	4.10	60.70	14.50	1,567,700	29.80	1.20	3.30	132.50
18-12-2022 09:00	13.60	0.60	3.30	4.10	60.70	14.50	1,566,100	29.70	1.20	3.30	132.70
18-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/12/2022 00:00-31/12/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
18-12-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-12-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-12-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
23-12-2022 22:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 23:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
23-12-2022 24:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 01:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 02:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 03:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 04:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 05:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 06:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 07:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 08:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
24-12-2022 09:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
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Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
26-12-2022 11:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
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28-12-2022 16:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
28-12-2022 17:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
28-12-2022 18:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
28-12-2022 19:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
28-12-2022 20:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
28-12-2022 21:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
28-12-2022 22:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
28-12-2022 23:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/12/2022 00:00-31/12/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
28-12-2022 24:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 01:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 02:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 03:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 04:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 05:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 06:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 07:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 08:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 09:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 10:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 11:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 12:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 13:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 14:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 15:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 16:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 17:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 18:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 19:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 20:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 21:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 22:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 23:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH
29-12-2022 24:00	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved CAH	Achieved C

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/11/2022 00:00-30/11/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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03-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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03-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/11/2022 00:00-30/11/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
03-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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05-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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05-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/11/2022 00:00-30/11/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACIT

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/11/2022 00:00-30/11/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C		HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr		ppm	ppm	mg/m3	ppm
11-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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12-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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12-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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12-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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13-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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13-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/11/2022 00:00-30/11/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C		HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr		ppm	ppm	mg/m3	ppm
13-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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15-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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15-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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15-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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16-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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16-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
21-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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21-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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21-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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21-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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22-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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22-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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22-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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22-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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23-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
23-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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24-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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25-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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25-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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25-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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01-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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01-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
03-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
11-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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12-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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12-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
13-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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14-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
21-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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21-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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21-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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23-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
23-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/11/2022 00:00-30/11/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @ 1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/11/2022 00:00-30/11/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @ 1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
03-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/11/2022 00:00-30/11/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @ 1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
05-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
10-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
13-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-11-2022 07:00	22.20	0.00	0.60	1.50	28.20	13.90	1,477,200	44.20	0.00	0.60	62.70
14-11-2022 08:00	23.80	0.00	0.60	1.40	2.70	13.30	1,774,900	43.70	0.00	0.60	5.00
14-11-2022 09:00	22.50	0.00	0.60	1.50	6.70	13.50	1,629,500	42.30	0.00	0.60	12.90
14-11-2022 10:00	23.40	0.00	0.80	1.90	7.10	13.60	1,749,100	44.60	0.00	0.80	13.40
14-11-2022 11:00	23.80	0.00	0.70	1.70	5.20	13.60	1,771,300	45.20	0.00	0.70	10.00
14-11-2022 12:00	15.40	0.10	1.60	2.90	175.20	14.60	1,399,800	34.00	0.20	1.60	398.80
14-11-2022 13:00	11.60	0.00	1.90	3.20	133.60	14.60	1,382,100	25.60	0.00	1.90	296.10
14-11-2022 14:00	16.00	0.00	2.50	3.60	62.10	14.40	1,547,700	34.20	0.00	2.50	136.80
14-11-2022 15:00	19.10	0.00	2.70	3.70	9.90	14.30	1,711,300	40.10	0.00	2.70	20.80
14-11-2022 16:00	18.40	0.00	2.20	3.40	11.80	14.30	1,727,500	38.50	0.00	2.20	24.80
14-11-2022 17:00	18.40	0.00	2.10	3.30	13.60	14.30	1,743,800	38.70	0.00	2.10	28.50
14-11-2022 18:00	18.40	0.00	1.80	2.90	14.20	14.30	1,727,400	38.50	0.00	1.90	29.70
14-11-2022 19:00	18.30	0.00	2.10	3.30	14.40	14.30	1,724,000	38.40	0.00	2.10	30.30
14-11-2022 20:00	18.20	0.00	2.50	3.60	14.50	14.30	1,731,700	38.10	0.00	2.50	30.50
14-11-2022 21:00	18.10	0.00	2.20	3.40	14.90	14.30	1,759,500	37.90	0.00	2.20	31.20
14-11-2022 22:00	17.50	0.00	2.80	3.80	22.00	14.30	1,732,300	36.70	0.00	2.80	46.70
14-11-2022 23:00	16.70	0.00	2.20	3.40	28.70	14.30	1,697,900	35.10	0.00	2.20	61.00
14-11-2022 24:00	16.50	0.00	2.20	3.40	27.00	14.30	1,674,800	34.80	0.00	2.20	57.00
15-11-2022 01:00	15.30	0.00	2.50	3.60	40.00	14.40	1,651,000	32.40	0.00	2.50	85.10
15-11-2022 02:00	15.30	0.00	1.80	3.10	39.50	14.40	1,651,000	32.60	0.00	1.80	84.00
15-11-2022 03:00	15.30	0.00	2.30	3.50	39.80	14.40	1,656,400	32.50	0.00	2.30	84.70
15-11-2022 04:00	15.30	0.00	1.80	3.10	39.90	14.40	1,661,100	32.50	0.00	1.80	85.00
15-11-2022 05:00	15.70	0.00	1.90	3.20	37.00	14.40	1,671,200	33.30	0.00	1.90	78.80
15-11-2022 06:00	17.80	0.00	2.10	3.30	17.50	14.30	1,735,900	37.30	0.00	2.10	36.70
15-11-2022 07:00	18.20	0.00	1.60	2.90	13.70	14.30	1,765,200	38.10	0.00	1.60	28.60
15-11-2022 08:00	18.20	0.00	2.10	3.30	13.50	14.30	1,768,800	38.10	0.00	2.10	28.40
15-11-2022 09:00	18.30	0.00	1.90	3.20	12.40	14.30	1,758,700	38.50	0.00	1.90	26.00
15-11-2022 10:00	18.70	0.00	2.10	3.30	9.30	14.30	1,729,300	39.40	0.00	2.10	19.70
15-11-2022 11:00	19.10	0.00	1.70	3.00	7.40	14.30	1,690,000	40.30	0.00	1.70	15.60
15-11-2022 12:00	19.10	0.00	1.70	3.00	7.10	14.30	1,666,700	40.20	0.00	1.70	15.00
15-11-2022 13:00	19.00	0.00	2.20	3.40	7.00	14.30	1,645,700	40.10	0.00	2.20	14.80
15-11-2022 14:00	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance
15-11-2022 15:00	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance
15-11-2022 16:00	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance
15-11-2022 17:00	18.80	0.00	2.70	3.70	8.50	14.30	1,660,700	39.50	0.00	2.70	17.90
15-11-2022 18:00	18.40	0.00	2.30	3.50	11.30	14.30	1,725,400	38.70	0.00	2.30	23.90

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
15-11-2022 19:00	18.80	0.00	2.50	3.60	10.40	14.30	1,728,600	39.80	0.00	2.50	21.90
15-11-2022 20:00	18.20	0.00	2.70	3.70	12.70	14.30	1,728,600	38.40	0.00	2.70	26.70
15-11-2022 21:00	18.10	0.00	2.10	3.30	13.20	14.30	1,740,200	38.10	0.00	2.10	27.80
15-11-2022 22:00	18.20	0.00	2.70	3.70	13.00	14.30	1,746,900	38.20	0.00	2.70	27.40
15-11-2022 23:00	18.20	0.00	2.30	3.50	12.90	14.30	1,740,800	38.30	0.00	2.30	27.20
15-11-2022 24:00	14.20	0.00	2.30	3.50	68.10	14.40	1,531,300	30.50	0.00	2.30	147.90
16-11-2022 01:00	12.40	0.00	2.80	3.80	97.70	14.50	1,429,800	26.90	0.00	2.80	212.50
16-11-2022 02:00	12.40	0.00	2.20	3.40	96.50	14.50	1,415,100	27.00	0.00	2.20	209.70
16-11-2022 03:00	12.50	0.00	2.70	3.70	94.30	14.50	1,415,500	27.20	0.00	2.70	204.80
16-11-2022 04:00	12.50	0.00	2.20	3.40	94.70	14.50	1,419,600	27.20	0.00	2.20	205.60
16-11-2022 05:00	15.00	0.00	2.50	3.60	60.20	14.40	1,560,700	31.90	0.00	2.50	130.30
16-11-2022 06:00	18.40	0.00	2.70	3.70	13.40	14.30	1,712,400	38.50	0.00	2.70	28.10
16-11-2022 07:00	18.00	0.00	2.30	3.50	25.09	14.40	1,393,600	37.90	0.10	2.30	53.42
16-11-2022 08:00	24.40	0.10	2.20	3.40	22.89	13.70	1,198,600	47.40	0.10	2.20	45.16
16-11-2022 09:00	19.90	0.00	0.80	1.90	19.80	13.90	1,197,500	39.90	0.00	0.80	39.60
16-11-2022 10:00	20.10	0.00	0.90	2.10	21.10	14.00	1,171,800	40.50	0.00	0.90	42.50
16-11-2022 11:00	20.10	0.00	0.90	2.20	17.90	14.00	1,180,400	40.60	0.00	0.90	36.10
16-11-2022 12:00	19.90	0.00	0.80	2.00	13.80	14.00	1,168,200	40.40	0.00	0.80	28.10
16-11-2022 13:00	16.70	0.10	1.40	2.70	22.20	14.50	1,318,300	36.80	0.30	1.40	52.27
16-11-2022 14:00	15.10	0.00	2.50	3.60	63.40	14.50	1,581,300	32.50	0.00	2.50	139.60
16-11-2022 15:00	18.80	0.00	2.50	3.60	11.40	14.30	1,712,400	39.60	0.00	2.50	23.90
16-11-2022 16:00	18.50	0.00	2.70	3.70	14.10	14.30	1,729,500	39.10	0.00	2.70	29.60
16-11-2022 17:00	18.40	0.00	2.70	3.70	14.70	14.30	1,736,000	38.70

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/11/2022 00:00-30/11/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
20-11-2022 17:00	18.20	0.00	2.30	3.50	10.80	14.30	1,732,900	38.30	0.00	2.30	22.70
20-11-2022 18:00	18.30	0.00	1.90	3.20	11.40	14.30	1,740,200	38.40	0.00	1.90	24.10
20-11-2022 19:00	18.40	0.00	2.10	3.30	11.90	14.30	1,736,300	38.80	0.00	2.10	25.10
20-11-2022 20:00	18.30	0.00	2.50	3.60	12.70	14.30	1,717,200	38.60	0.00	2.50	26.90
20-11-2022 21:00	18.30	0.00	1.90	3.20	13.00	14.30	1,710,100	38.60	0.00	1.90	27.40
20-11-2022 22:00	18.50	0.00	2.20	3.40	12.80	14.30	1,707,800	39.00	0.00	2.20	27.10
20-11-2022 23:00	18.20	0.00	2.20	3.40	12.30	14.30	1,702,300	38.30	0.00	2.20	26.00
20-11-2022 24:00	18.00	0.00	2.50	3.60	13.00	14.30	1,739,600	37.70	0.00	2.50	27.40
21-11-2022 01:00	16.90	0.00	2.80	3.80	26.40	14.30	1,697,600	35.60	0.00	2.80	56.40
21-11-2022 02:00	16.10	0.00	2.20	3.40	38.00	14.40	1,656,600	34.30	0.00	2.20	81.80
21-11-2022 03:00	16.50	0.00	2.50	3.60	34.60	14.40	1,670,200	35.10	0.00	2.50	74.30
21-11-2022 04:00	14.60	0.00	2.30	3.50	63.50	14.50	1,580,200	31.40	0.00	2.30	138.40
21-11-2022 05:00	27.00	0.30	2.80	3.80	38.28	13.80	1,208,200	52.90	0.70	2.80	76.89
21-11-2022 06:00	21.10	0.00	0.70	1.80	4.30	13.60	1,374,700	40.10	0.00	0.70	8.50
21-11-2022 07:00	22.60	0.00	0.70	1.70	0.30	13.30	1,652,100	41.60	0.00	0.70	0.70
21-11-2022 08:00	21.90	0.00	0.80	1.90	1.90	13.50	1,459,200	40.90	0.00	0.80	3.70
21-11-2022 09:00	22.80	0.00	0.70	1.70	1.50	13.30	1,693,200	41.70	0.00	0.70	2.80
21-11-2022 10:00	23.30	0.00	0.80	2.00	2.90	13.30	1,679,600	42.70	0.00	0.80	5.30
21-11-2022 11:00	23.60	0.00	0.90	2.20	2.50	13.30	1,668,700	43.30	0.00	0.90	4.60
21-11-2022 12:00	21.00	0.00	0.90	2.10	14.90	13.80	1,355,700	41.10	0.00	0.90	30.50
21-11-2022 13:00	20.10	0.00	1.00	2.30	18.20	14.00	1,206,500	40.30	0.00	1.00	37.20
21-11-2022 14:00	20.30	0.00	0.80	2.00	14.00	13.80	1,255,600	39.90	0.00	0.80	28.30
21-11-2022 15:00	22.70	0.00	0.90	2.20	6.30	13.50	1,495,600	42.80	0.00	0.90	12.40
21-11-2022 16:00	23.90	0.00	1.10	2.40	4.60	13.40	1,581,300	44.30	0.00	1.10	8.70
21-11-2022 17:00	22.30	0.00	0.90	2.10	7.40	13.60	1,389,800	42.20	0.00	0.90	14.70
21-11-2022 18:00	20.70	0.00	1.10	2.40	12.80	13.80	1,312,600	40.80	0.00	1.10	26.30
21-11-2022 19:00	23.30	0.00	0.80	1.90	0.60	13.30	1,625,600	42.90	0.00	0.80	1.10
21-11-2022 20:00	22.70	0.00	0.90	2.10	0.00	13.30	1,602,200	41.60	0.00	0.90	0.00
21-11-2022 21:00	21.60	0.00	1.10	2.40	1.60	13.50	1,522,300	40.50	0.00	1.10	3.10
21-11-2022 22:00	20.00	0.00	0.80	1.90	7.30	13.70	1,337,300	38.80	0.00	0.80	14.70
21-11-2022 23:00	22.00	0.00	1.00	2.30	1.50	13.40	1,589,700	40.80	0.00	1.00	3.00
21-11-2022 24:00	22.10	0.00	0.80	1.90	0.10	13.30	1,664,300	40.40	0.00	0.80	0.30
22-11-2022 01:00	22.00	0.00	0.80	2.00	0.60	13.30	1,658,600	40.20	0.00	0.80	1.20
22-11-2022 02:00	22.20	0.00	1.00	2.30	2.90	13.30	1,647,000	40.70	0.00	1.00	5.40
22-11-2022 03:00	21.50	0.00	0.70	1.80	1.00	13.40	1,500,000	39.70	0.00	0.70	1.90
22-11-2022 04:00	19.50	0.00	0.90	2.20	18.90	14.00	1,185,700	39.10	0.00	0.90	38.40
22-11-2022 05:00	20.90	0.00	0.70	1.80	7.10	13.60	1,435,700	39.80	0.00	0.70	14.00
22-11-2022 06:00	22.00	0.00	0.80	1.90	2.40	13.30	1,643,500	40.50	0.00	0.80	4.50
22-11-2022 07:00	22.00	0.00	0.90	2.20	3.40	13.30	1,678,500	40.20	0.00	0.90	6.20
22-11-2022 08:00	22.10	0.00	0.80	1.90	3.00	13.30	1,697,100	40.40	0.00	0.80	5.50
22-11-2022 09:00	22.80	0.00	0.90	2.20	1.60	13.30	1,696,700	41.80	0.00	0.90	3.00
22-11-2022 10:00	23.20	0.00	0.80	2.00	2.30	13.30	1,681,800	42.50	0.00	0.80	4.20
22-11-2022 11:00	23.90	0.00	0.90	2.20	2.50	13.30	1,664,800	43.90	0.00	0.90	4.60
22-11-2022 12:00	24.10	0.00	1.20	2.50	2.00	13.30	1,642,700	44.30	0.00	1.20	3.80
22-11-2022 13:00	24.30	0.00	0.70	1.80	1.30	13.40	1,643,300	44.80	0.00	0.70	2.50
22-11-2022 14:00	25.20	0.00	0.90	2.10	1.10	13.30	1,631,900	46.30	0.00	0.90	2.00
22-11-2022 15:00	25.10	0.00	0.70	1.80	2.00	13.30	1,621,800	46.20	0.00	0.70	3.70
22-11-2022 16:00	24.00	0.00	0.70	1.80	1.60	13.40	1,584,500	44.50	0.00	0.70	3.10
22-11-2022 17:00	23.50	0.00	0.80	2.00	2.30	13.40	1,588,900	43.40	0.00	0.80	4.30
22-11-2022 18:00	21.70	0.00	0.70	1.70	7.00	13.80	1,347,300	42.30	0.00	0.70	14.60
22-11-2022 19:00	24.30	0.00	0.90	2.10	0.00	13.30	1,633,300	44.60	0.00	0.90	0.00
22-11-2022 20:00	24.00	0.00	0.70	1.80	0.00	13.40	1,635,500	44.20	0.00	0.70	0.00
22-11-2022 21:00	21.80	0.00	0.70	1.70	2.10	13.50	1,443,800	41.00	0.00	0.70	4.20
22-11-2022 22:00	20.00	0.00	0.80	2.00	15.40	14.10	1,132,300	40.60	0.00	0.80	31.70
22-11-2022 23:00	22.50	0.00	0.70	1.70	1.40	13.40	1,551,700	41.80	0.00	0.70	2.80
22-11-2022 24:00	22.90	0.00	0.80	2.00	0.00	13.30	1,646,900	42.10	0.00	0.80	0.00
23-11-2022 01:00	23.00	0.00	0.70	1.80	0.00	13.30	1,652,600	42.30	0.00	0.70	0.00
23-11-2022 02:00	22.50	0.00	0.70	1.80	0.10	13.30	1,638,600	41.30	0.00	0.70	0.20
23-11-2022 03:00	21.50	0.00	0.80	2.00	2.20	13.60	1,513,200	40.90	0.00	0.80	4.30

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/11/2022 00:00-30/11/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
23-11-2022 04:00	20.10	0.00	0.70	1.80	14.30	14.00	1,163,200	40.30	0.00	0.70	29.20
23-11-2022 05:00	22.50	0.00	0.90	2.10	2.70	13.50	1,552,000	42.00	0.00	0.90	5.40
23-11-2022 06:00	23.20	0.00	0.70	1.70	0.00	13.30	1,671,100	42.50	0.00	0.70	0.00
23-11-2022 07:00	22.70	0.00	0.70	1.70	0.00	13.30	1,678,500	41.60	0.00	0.70	0.00
23-11-2022 08:00	22.40	0.00	0.80	1.90	0.00	13.30	1,689,400	40.90	0.00	0.80	0.00
23-11-2022 09:00	23.10	0.00	0.70	1.70	0.00	13.30	1,700,600	42.20	0.00	0.70	0.00
23-11-2022 10:00	23.70	0.00	0.90	2.10	0.00	13.30	1,677,100	43.60	0.00	0.90	0.00
23-11-2022 11:00	24.20	0.00	0.70	1.80	0.00	13.30	1,659,600	44.40	0.00	0.70	0.00
23-11-2022 12:00	23.90	0.00	0.80	2.00	0.00	13.30	1,644,000	43.90	0.00	0.80	0.00
23-11-2022 13:00	24.00	0.00	0.90	2.10	0.00	13.30	1,650,600	44.00	0.00	0.90	0.00
23-11-2022 14:00	24.80	0.00	0.70	1.80	0.00	13.30	1,624,200	45.50	0.00	0.70	0.00
23-11-2022 15:00	23.70	0.00	0.90	2.10	0.00	13.30	1,634,900	43.40	0.00	0.90	0.00
23-11-2022 16:00	23.10	0.00	0.80	1.90	0.00	13.30	1,649,700	42.20	0.00	0.80	0.00
23-11-2022 17:00	22.70	0.00	0.80	2.00	0.00	13.30	1,623,200	41.60	0.00	0.80	0.00
23-11-2022 18:00	21.40	0.00	0.80	2.00	0.70	13.30	1,555,600	39.30	0.00	0.80	1.40
23-11-2022 19:00	21.30	0.00	0.60	1.60	0.40	13.30	1,633,200	38.80	0.00	0.60	0.80
23-11-2022 20:00	21.20	0.00	0.70	1.80	0.40	13.30	1,635,300	38.80	0.00	0.70	0.70
23-11-2022 21:00	19.90	0.00	0.60	1.60	11.30	13.80	1,277,300	38.80	0.00	0.60	22.90
23-11-2022 22:00	19.30	0.00	0.70	1.70	15.50	14.00	1,179,200	38.80	0.00	0.70	31.20
23-11-2022 23:00	19.30	0.00	0.70	1.80	16.20	14.00	1,212,000	38.70	0.00	0.70	32.60
23-11-2022 24:00	19.30	0.00	0.60	1.50	16.40	14.00	1,202,500	38.80	0.00	0.60	33.00
24-11-2022 01:00	21.20	0.00	0.80	1.90	3.50	13.50	1,536,900	39.50	0.00	0.80	7.00
24-11-2022 02:00	21.60	0.00	0.60	1.60	0.00	13.30	1,668,900	39.20	0.00	0.60	0.00
24-11-2022 03:00	21.60	0.00	0.70	1.70	0.00	13.30	1,685,600	39.40	0.00	0.70	0.00
24-11-2022 04:00	20.70	0.00	0.70	1.80	2.60	13.50	1,465,900	38.90	0.00	0.70	4.90
24-11-2022 05:00	21.00	0.00	0.60	1.40	3.30	13.50	1,368,100	39.30	0.00	0.60	6.40
24-11-2022 06:00	20.30	0.00	0.70	1.80	10.60	13.80	1,282,000	39.50	0.00	0.70	21.20
24-11-2022 07:00	21.50	0.00	0.70	1.70	0.00	13.30	1,693,200	39.30	0.00	0.70	0.00
24-11-2022 08:00	21.40	0.00	0.70	1.80	0.20	13.30	1,678,500	39.10	0.00	0.70	0.30
24-11-2022 09:00	21.80	0.00	0.90	2.10	0.20	13.30	1,691,200	39.80	0.00	0.90	0.40
24-11-2022 10:00	21.90	0.00	0.70	1.80	0.00	13.30	1,678,900	39.90	0.00	0.70	0.00
24-11-2022 11:00	22.00	0.00	0.90	2.10	0.00	13.30	1,663,500	40.20	0.00	0.90	0.00
24-11-2022 12:00	22.20	0.00	0.80	2.00	0.00	13.30	1,639,000	40.60	0.00	0.80	0.00
24-11-2022 13:00	22.00	0.00	0.80	1.90	0.00	13.30	1,636,600	40.20	0.00	0.80	0.00
24-11-2022 14:00	22.50	0.00	0.90	2.10	0.00	13.30	1,616,100	41.10	0.00	0.90	0.00
24-11-2022 15:00	20.60	0.00	0.60	1.50	4.00	13.60	1,266,700	39.30	0.00	0.60	7.90
24-11-2022 16:00	21.40	0.00	0.80	1.90	0.80	13.40	1,575,400	39.40	0.00	0.80	1.50
24-11-2022 17:00	19.40	0.00	0.60	1.50	13.80	13.90	1,202,000	38.80	0.00	0.60	27.90
24-11-2022 18:00	19.50	0.00	0.60	1.50	16.70	14.00	1,185,300	39.30	0.00	0.60	33.80
24-11-2022 19:00	18.50	0.00	0.70	1.80	76.10	14.10	1,163,300	38.30	0.00	0.70	206.80
24-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/11/2022 00:00-30/11/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
25-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-11-2022 03:00	Reserved Shutdown	Reserved

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
30-11-2022 13:00	20.90	0.00	0.80	1.90	6.20	13.70	1,353,500	40.30	0.00	0.80	12.60
30-11-2022 14:00	20.20	0.00	0.70	1.80	9.40	13.80	1,278,000	39.60	0.00	0.70	19.00
30-11-2022 15:00	23.10	0.00	0.80	1.90	0.00	13.30	1,655,600	42.40	0.00	0.80	0.00
30-11-2022 16:00	22.80	0.00	0.80	1.90	0.00	13.30	1,685,700	41.70	0.00	0.80	0.00
30-11-2022 17:00	22.70	0.00	0.80	1.90	0.00	13.30	1,682,100	41.50	0.00	0.80	0.00
30-11-2022 18:00	22.60	0.00	0.80	2.00	0.00	13.30	1,689,000	41.40	0.00	0.80	0.00
30-11-2022 19:00	22.40	0.00	0.70	1.80	0.00	13.30	1,678,200	40.80	0.00	0.70	0.00
30-11-2022 20:00	21.00	0.00	0.60	1.60	5.40	13.60	1,435,500	39.80	0.00	0.60	10.90
30-11-2022 21:00	19.50	0.00	0.60	1.60	14.20	14.00	1,218,000	39.40	0.00	0.60	28.70
30-11-2022 22:00	19.50	0.00	0.70	1.70	14.10	14.00	1,215,500	39.20	0.00	0.70	28.50
30-11-2022 23:00	20.00	0.00	0.70	1.70	11.90	13.90	1,218,500	39.80	0.00	0.70	23.80
30-11-2022 24:00	20.20	0.00	0.60	1.60	11.50	13.90	1,220,700	40.30	0.00	0.60	23.00
Minimum	11.00	0.00	0.60	1.40	0.00	13.30	1,132,300.00	24.40	0.00	0.60	0.00
Maximum	27.00	0.30	2.80	3.80	175.20	14.60	1,821,600.00	52.90	0.70	2.80	398.80
Avg	19.63	0.00	1.59	2.73	17.92	13.94	1,607,225.26	39.02	0.00	1.59	38.70
SUM											
STD								STD = 70,120,120	STD = 10,30,20	STD = 20,35,00	STD = 690

Remark : 14-20 Nov. Strat up with fuel gas and FSWO Gas to Oil
21-24, 29-30 Nov. Operated with fuel gas.

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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01-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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01-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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03-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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03-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
05-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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06-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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06-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/11/2022 00:00-30/11/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
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08-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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09-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/11/2022 00:00-30/11/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
10-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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11-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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12-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/11/2022 00:00-30/11/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
13-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shut

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/11/2022 00:00-30/11/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
18-11-2022 06:00	15.30	0.50	1.90	3.20	14.10	14.30	1,753,500	32.00	1.10	1.90	29.60
18-11-2022 07:00	15.20	0.50	2.10	3.30	14.30	14.30	1,760,000	31.90	1.10	2.10	30.00
18-11-2022 08:00	15.20	0.50	2.10	3.30	14.10	14.30	1,769,900	31.80	1.10	2.10	29.70
18-11-2022 09:00	15.10	0.50	2.20	3.40	12.70	14.30	1,738,500	31.60	1.10	2.20	26.70
18-11-2022 10:00	15.30	0.50	2.20	3.40	11.10	14.30	1,762,800	32.20	1.10	2.20	23.30
18-11-2022 11:00	15.40	0.60	2.30	3.50	10.60	14.30	1,739,900	32.40	1.20	2.30	22.20
18-11-2022 12:00	15.40	0.60	2.50	3.60	10.00	14.30	1,740,900	32.40	1.20	2.50	21.20
18-11-2022 13:00	15.20	0.60	2.30	3.50	10.00	14.30	1,737,500	32.00	1.20	2.30	21.10
18-11-2022 14:00	15.00	0.60	2.30	3.50	10.00	14.30	1,750,200	31.60	1.20	2.30	21.10
18-11-2022 15:00	15.20	0.50	2.30	3.30	10.20	14.30	1,737,000	31.90	1.10	2.10	21.40
18-11-2022 16:00	15.30	0.50	2.20	3.40	10.40	14.30	1,734,300	32.20	1.10	2.20	21.90
18-11-2022 17:00	15.30	0.50	2.20	3.40	11.20	14.30	1,744,100	32.10	1.10	2.20	23.60
18-11-2022 18:00	15.20	0.50	1.90	3.20	12.00	14.30	1,736,700	31.80	1.10	1.90	25.10
18-11-2022 19:00	15.10	0.50	1.90	3.20	12.20	14.30	1,773,500	31.70	1.10	1.90	25.70
18-11-2022 20:00	15.20	0.60	2.70	3.70	12.60	14.30	1,751,400	31.80	1.20	2.70	26.50
18-11-2022 21:00	15.10	0.60	2.50	3.60	13.00	14.30	1,746,800	31.60	1.20	2.50	27.30
18-11-2022 22:00	15.10	0.60	2.20	3.40	13.40	14.30	1,750,900	31.50	1.20	2.20	28.10
18-11-2022 23:00	15.00	0.60	2.30	3.50	13.40	14.30	1,735,200	31.30	1.20	2.30	28.10
18-11-2022 24:00	15.10	0.60	2.50	3.60	13.30	14.30	1,735,800	31.50	1.20	2.50	27.80
19-11-2022 01:00	15.00	0.50	2.70	3.70	14.50	14.20	1,745,100	31.30	1.10	2.70	30.40
19-11-2022 02:00	14.70	0.50	2.50	3.60	15.90	14.20	1,726,300	30.60	1.10	2.50	33.30
19-11-2022 03:00	14.20	0.50	2.30	3.50	18.90	14.30	1,696,400	29.70	1.00	2.30	39.70
19-11-2022 04:00	9.80	0.50	2.10	3.30	119.60	14.40	1,413,000	21.10	1.10	2.10	258.10
19-11-2022 05:00	9.70	0.50	2.20	3.40	123.30	14.40	1,427,200	21.00	1.10	2.20	266.00
19-11-2022 06:00	13.10	0.50	2.30	3.50	34.50	14.30	1,650,400	27.50	1.10	2.30	73.30
19-11-2022 07:00	12.50	0.50	2.30	3.50	43.70	14.30	1,653,200	26.40	1.00	2.30	93.00
19-11-2022 08:00	12.60	0.50	2.50	3.60	37.30	14.30	1,640,900	26.50	1.00	2.50	79.20
19-11-2022 09:00	13.90	0.50	2.20	3.40	18.60	14.20	1,704,000	29.00	1.00	2.20	39.10
19-11-2022 10:00	14.60	0.50	2.10	3.30	11.20	14.20	1,721,700	30.30	1.00	2.10	23.40
19-11-2022 11:00	14.40	0.50	1.90	3.20	11.00	14.20	1,719,000	30.20	1.00	1.90	23.10
19-11-2022 12:00	14.70	0.50	2.20	3.40	9.70	14.20	1,707,400	30.70	1.00	2.20	20.40
19-11-2022 13:00	14.50	0.50	2.10	3.30	10.50	14.30	1,716,900	30.40	1.00	2.10	22.10
19-11-2022 14:00	14.90	0.50	2.20	3.40	8.90	14.30	1,714,000	31.10	1.10	2.20	18.70
19-11-2022 15:00	14.90	0.50	2.30	3.50	9.10	14.30	1,731,000	31.20	1.10	2.30	19.20
19-11-2022 16:00	14.90	0.50	2.20	3.40	8.50	14.30	1,713,200	31.20	1.10	2.20	17.80
19-11-2022 17:00	15.20	0.50	2.20	3.40	9.10	14.30	1,709,400	31.90	1.10	2.20	19.10
19-11-2022 18:00	15.60	0.50	2.30	3.50	8.50	14.30	1,715,900	32.70	1.10	2.30	17.90
19-11-2022 19:00	15.90	0.50	2.70	3.70	8.30	14.30	1,738,100	33.50	1.10	2.70	17.50
19-11-2022 20:00	15.90	0.50	2.30	3.50	9.00	14.30	1,744,400	33.60	1.10	2.30	18.90
19-11-2022 21:00	15.50	0.50	2.20	3.40	10.90	14.30	1,738,800	32.60	1.10	2.20	23.10
19-11-2022 22:00	15.40	0.50	2.50	3.60	11.70	14.30	1,736,200	32.40	1.10	2.50	24.60
19-11-2022 23:00	15.60	0.50	2.70	3.70	11.30	14.30	1,735,200	32.80	1.10	2.70	23.80
19-11-2022 24:00	15.60	0.50	2.50	3.60	11.80	14.30	1,730,900	32.60	1.10	2.50	24.80
20-11-2022 01:00	15.60	0.50	2.30	3.50	11.40	14.30	1,719,400	32.80	1.10	2.30	24.00
20-11-2022 02:00	15.10	0.50	2.50	3.60	14.30	14.30	1,703,900	31.70	1.10	2.50	30.30
20-11-2022 03:00	12.70	0.50	2.30	3.50	42.60	14.40	1,616,100	26.90	1.10	2.30	91.40
20-11-2022 04:00	13.40	0.50	2.20	3.40	33.30	14.30	1,656,700	28.30	1.10	2.20	71.00
20-11-2022 05:00	13.20	0.50	2.30	3.50	35.60	14.30	1,636,800	27.90	1.10	2.30	75.80
20-11-2022 06:00	14.00	0.50	2.20	3.40	26.10	14.30	1,666,700	29.40	1.00	2.20	55.20
20-11-2022 07:00	12.50	0.50	2.70	3.70	48.20	14.40	1,606,300	26.50	1.10	2.70	103.40
20-11-2022 08:00	11.20	0.50	2.30	3.50	75.40	14.40	1,548,500	24.00	1.10	2.30	162.80
20-11-2022 09:00	9.20	0.50	2.30	3.50	135.60	14.50	1,399,500	20.10	1.10	2.30	294.90
20-11-2022 10:00	9.10	0.50	2.50	3.60	140.10	14.50	1,397,000	19.80	1.10	2.50	305.80
20-11-2022 11:00	9.00	0.50	2.80	3.80	142.80	14.50	1,399,500	19.70	1.00	2.80	312.90
20-11-2022 12:00	9.00	0.50	3.00	3.90	147.50	14.50	1,411,100	19.60	1.10	3.00	323.10
20-11-2022 13:00	9.00	0.50	2.70	3.70	143.80	14.60	1,406,500	19.60	1.10	2.70	315.60
20-11-2022 14:00	12.60	0.50	2.70	3.70	59.20	14.40	1,603,800	26.90	1.10	2.70	129.30
20-11-2022 15:00	15.80	0.50	2.30	3.50	8.40	14.30	1,741,200	33.20	1.10	2.30	17.70
20-11-2022 16:00	15.30	0.50	2.30	3.50	9.00	14.30	1,719,200	32.00	1.10	2.30	18.80

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/11/2022 00:00-30/11/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
20-11-2022 17:00	14.90	0.50	2.20	3.40	10.50	14.30	1,727,100	31.20	1.10	2.20	22.00
20-11-2022 18:00	15.10	0.50	2.20	3.40	11.00	14.30	1,728,300	31.50	1.10	2.20	23.10
20-11-2022 19:00	15.20	0.50	2.20	3.40	11.30	14.30	1,722,400	31.90	1.10	2.20	23.60
20-11-2022 20:00	15.20	0.50	2.30	3.50	11.30	14.30	1,735,700	31.80	1.10	2.30	23.80
20-11-2022 21:00	15.30	0.50	2.20	3.40	11.20	14.30	1,726,000	32.20	1.10	2.20	23.50
20-11-2022 22:00	15.40	0.50	2.10	3.30	11.20	14.30	1,749,300	32.30	1.10	2.10	23.60
20-11-2022 23:00	14.90	0.50	2.50	3.60	11.90	14.30	1,747,300	31.20	1.10	2.50	24.90
20-11-2022 24:00	14.70	0.50	2.70	3.70	12.30	14.20	1,716,500	30.70	1.10	2.70	25.80
21-11-2022 01:00	13.80	0.50	2.70	3.70	25.60	14.30	1,674,900	29.00	1.00	2.70	54.50
21-11-2022 02:00	13.10	0.50	2.50	3.60	36.00	14.30	1,645,200	27.60	1.10	2.50	76.90
21-11-2022 03:00	13.50	0.50	2.30	3.50	32.00	14.30	1,648,600	28.60	1.10	2.30	68.50
21-11-2022 04:00	11.90	0.50	2.70	3.70	61.40	14.40	1,573,800	25.30	1.10	2.70	132.70
21-11-2022 05:00	20.40	0.30	3.00	3.90	33.07	14.10	1,298,800	41.00	0.50	3.00	66.97
21-11-2022 06:00	21.80	0.20	0.70	1.70	2.40	13.50	1,350,200	41.20	0.30	0.70	4.70
21-11-2022 07:00	20.80	0.20	0.80	1.90	0.70	13.30	1,638,800	37.90	0.30	0.80	1.30
21-11-2022 08:00	21.70	0.20	0.70	1.80	1.30	13.40	1,461,300	40.50	0.30	0.70	2.50
21-11-2022 09:00	20.80	0.20	0.80	1.90	0.50	13.30	1,658,800	37.80	0.30	0.80	1.00
21-11-2022 10:00	21.20	0.20	0.90	2.10	0.60	13.30	1,655,000	38.60	0.30	0.90	1.20
21-11-2022 11:00	21.30	0.20	0.90	2.10	0.50	13.30	1,664,800	38.70	0.30	0.90	1.00
21-11-2022 12:00	20.60	0.20	1.00	2.30	5.50	13.70	1,404,000	39.70	0.40	1.00	11.20
21-11-2022 13:00	20.60	0.20	0.90	2.20	6.80	13.90	1,255,800	40.90	0.30	0.90	13.70
21-11-2022 14:00	20.10	0.20	0.90	2.20	6.50	13.80	1,334,200	39.10	0.40	0.90	13.10
21-11-2022 15:00	21.70	0.20	1.00	2.30	2.70	13.50	1,527,100	40.50	0.30	1.00	5.20
21-11-2022 16:00	22.10	0.20	1.00	2.30	1.50	13.30	1,649,700	40.60	0.30	1.00	2.80
21-11-2022 17:00	21.10	0.20	1.00	2.30	3.80	13.60	1,473,800	39.90	0.30	1.00	7.70
21-11-2022 18:00	20.80	0.20	1.00	2.30	8.40	13.80	1,398,800	40.50	0.30	1.00	16.90
21-11-2022 19:00	21.80	0.20	0.90	2.10	1.10	13.30	1,661,000	39.90	0.30	0.90	2.00
21-11-2022 20:00	20.90	0.20	0.90	2.20	0.00	13.30	1,641,100	38.10	0.30	0.90	0.00
21-11-2022 21:00	20.80	0.10	1.00	2.30	0.80	13.40	1,549,200	38.80	0.30	1.00	1.50
21-11-2022 22:00	19.90	0.10	0.90	2.10	3.30	13.70	1,396,700	38.30	0.20	0.90	6.60
21-11-2022 23:00	20.70	0.10	0.90	2.20	0.50	13.40	1,614,100	38.30	0.20	0.90	1.00
21-11-2022 24:00	20.10	0.10	0.90	2.10	0.30	13.20	1,671,800	36.50	0.20	0.90	0.50
22-11-2022 01:00	20.20	0.10	0.90	2.10	0.00	13.20	1,666,000	36.70	0.20	0.90	0.00
22-11-2022 02:00	20.40	0.10	0.90	2.20	0.20	13.30	1,658,300	37.10	0.30	0.90	0.40
22-11-2022 03:00	20.60	0.10	0.80	2.00	0.50	13.30	1,512,200	38.00	0.30	0.80	1.00
22-11-2022 04:00	20.00	0.10	0.90	2.10	7.60	13.90	1,200,400	39.60	0.30	0.90	15.20
22-11-2022 05:00	21.00	0.20	0.80	2.00	2.90	13.50	1,432,000	39.60	0.30	0.80	5.70
22-11-2022 06:00	20.70	0.10	0.80	2.00	0.60	13.30	1,609,800	37.90	0.20	0.80	1.20
22-11-2022 07:00	19.90	0.20	0.90	2.10	0.40	13.20	1,659,500	36.20	0.30	0.90	0.70
22-11-2022 08:00	20.00	0.20	0.90	2.10	0.90	13.30	1,649,700	36.40	0.30	0.90	1.70
22-11-2022 09:00	20.70	0.20	0.90	2.10	0.50	13.30	1,650,500	37.80	0.30	0.90	1.00
22-11-2022 10:00	20.90	0.20	0.90	2.20	0.90	13.30	1,661,700	38.00	0.30	0.90	1.70
22-11-2022 11:00	21.80	0.20	1.00	2.30	0.60	13.30	1,644,600	39.90	0.30	1.00	1.20
22-11-2022 12:00	22.20	0.20	1.10	2.40	0.40	13.30	1,657,200	40.60	0.30	1.10	0.70
22-11-2022 13:00	22.50	0.20	0.80	2.00	0.30	13.30	1,664,700	41.10	0.40	0.80	0.50
22-11-2022 14:00	23.50	0.20	0.80	2.00	0.10	13.30	1,677,300	43.00	0.30	0.80	0.20
22-11-2022 15:00	23.20	0.20	0.80	2.00	0.30	13.30	1,660,900	42.40	0.40	0.80	0.50
22-11-2022 16:00	22.30	0.20	0.80	1.90	0.50	13.40	1,618,500	41.20	0.30	0.80	1.00
22-11-2022 17:00	21.70	0.20	0.80	1.90	0.50	13.30	1,605,100	39.90	0.30	0.80	0.90
22-11-2022 18:00	21.10	0.20	0.80	1.90	3.20	13.70	1,393,400	40.90	0.40	0.80	6.60
22-11-2022 19:00	22.30	0.20	0.80	2.00	0.00	13.30	1,674,700	40.70	0.30	0.80	0.00
22-11-2022 20:00	22.40	0.20	0.80	2.00	0.00	13.30	1,655,100	41.20	0.30	0.80	0.00
22-11-2022 21:00	20.80	0.20	0.70	1.80	1.00	13.50	1,503,000	39.00	0.30	0.70	1.90
22-11-2022 22:00	20.50	0.20	0.80	1.90	6.40	14.00	1,231,800	41.40	0.30	0.80	13.10
22-11-2022 23:00	21.60	0.20	0.80	1.90	0.60	13.40	1,582,900	39.90	0.30	0.80	1.10
22-11-2022 24:00	21.00	0.20	0.80	1.90	0.00	13.30	1,677,800	38.30	0.30	0.80	0.00
23-11-2022 01:00	21.30	0.20	0.80	2.00	0.00	13.30	1,671,500	38.90	0.30	0.80	0.00
23-11-2022 02:00	21.00	0.20	0.80	1.90	0.10	13.30	1,684,900	38.40	0.30	0.80	0.10
23-11-2022 03:00	21.10	0.20	0.80	1.90	1.20	13.60	1,551,000	39.90	0.30	0.80	2.40

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/11/2022 00:00-30/11/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
23-11-2022 04:00	20.60	0.20	0.80	2.00	6.20	13.90	1,206,100	41.00	0.30	0.80	12.60
23-11-2022 05:00	21.60	0.20	0.80	2.00	1.10	13.40	1,595,100	40.20	0.30	0.80	2.20
23-11-2022 06:00	21.20	0.20	0.80	1.90	0.00	13.30	1,663,600	38.60	0.30	0.80	0.00
23-11-2022 07:00	20.80	0.20	0.70	1.80	0.00	13.30	1,651,100	37.90	0.30	0.70	0.00
23-11-2022 08:00	20.50	0.20	0.70	1.80	0.00	13.30	1,670,900	37.20	0.30	0.70	0.00
23-11-2022 09:00	20.80	0.20	0.80	1.90	0.00	13.30	1,669,800	37.90	0.30	0.80	0.00
23-11-2022 10:00	21.60	0.20	0.80	2.00	0.00	13.30	1,676,800	39.40	0.30	0.80	0.00
23-11-2022 11:00	22.00	0.20	0.80	2.00	0.00	13.30	1,664,400	40.10	0.30	0.80	0.00
23-11-2022 12:00	22.00	0.20	0.90	2.10	0.00	13.30	1,657,200	40.10	0.30	0.90	0.00
23-11-2022 13:00	21.80	0.20	0.80	2.00	0.00	13.30	1,667,700	39.80	0.40	0.80	0.00
23-11-2022 14:00	22.50	0.20	0.80	2.00	0.00	13.30	1,684,300	41.10	0.40	0.80	0.00
23-11-2022 15:00	21.50	0.20	0.80	2.00	0.00	13.30	1,681,600	39.10	0.40	0.80	0.00
23-11-2022 16:00	21.20	0.20	0.90	2.10	0.00	13.30	1,663,400	38.50	0.30	0.90	0.00
23-11-2022 17:00	20.60	0.20	0.90	2.10	0.00	13.20	1,639,500	37.40	0.40	0.90	0.00
23-11-2022 18:00	20.00	0.20	0.80	1.90	0.30	13.30	1,547,600	36.60	0.40	0.80	0.70
23-11-2022 19:00	19.70	0.20	0.70	1.80	0.20	13.20	1,597,900	35.70	0.40	0.70	0.40
23-11-2022 20:00	19.40	0.20	0.70	1.70	0.20	13.20	1,629,500	35.20	0.40	0.70	0.40
23-11-2022 21:00	19.80	0.20	0.70	1.80	5.40	13.70	1,279,400	38.40	0.30	0.70	10.80
23-11-2022 22:00	19.70	0.20	0.70	1.80	6.60	13.90	1,179,100	39.10	0.40	0.70	13.20
23-11-2022 23:00	19.60	0.20	0.70	1.70	7.40	13.90	1,185,100	38.80	0.40	0.70	14.70
23-11-2022 24:00	19.50	0.20	0.70	1.70	7.30	13.90	1,207,500	38.70	0.40	0.70	14.60
24-11-2022 01:00	20.30	0.20	0.70	1.80	1.60	13.40	1,504,300	37.70	0.40	0.70	3.10
24-11-2022 02:00	19.70	0.20	0.70	1.80	0.00	13.20	1,650,100	35.50	0.30	0.70	0.00
24-11-2022 03:00	19.60	0.20	0.70	1.80	0.00	13.20	1,661,300	35.50	0.30	0.70	0.00
24-11-2022 04:00	20.00	0.20	0.70	1.70	1.80	13.50	1,458,200	37.40	0.30	0.70	3.30
24-11-2022 05:00	20.80	0.20	0.60	1.60	1.80	13.40	1,373,400	38.60	0.30	0.60	3.40
24-11-2022 06:00	20.50	0.20	0.70	1.70	4.50	13.70	1,247,700	39.60	0.40	0.70	8.90
24-11-2022 07:00	19.80	0.20	0.80	1.90	0.00	13.20	1,646,300	35.80	0.30	0.80	0.10
24-11-2022 08:00	19.60	0.20	0.80	1.90	0.10	13.20	1,626,700	35.50	0.30	0.80	0.20
24-11-2022 09:00	19.80	0.20	0.80	2.00	0.10	13.20	1,658,800	36.00	0.40	0.80	0.20
24-11-2022 10:00	19.80	0.20	0.80	2.00	0.00	13.20	1,658,300	35.80	0.40	0.80	0.00
24-11-2022 11:00	20.00	0.20	0.80	2.00	0.00	13.20	1,664,900	36.30	0.30	0.80	0.00
24-11-2022 12:00	20.20	0.20	0.90	2.20	0.00	13.30	1,673,800	36.70	0.30	0.90	0.00
24-11-2022 13:00	20.00	0.20	0.80	2.00	0.00	13.20	1,681,500	36.20	0.30	0.80	0.00
24-11-2022 14:00	20.30	0.20	0.80	2.00	0.00	13.30	1,689,100	36.90	0.40	0.80	0.00
24-11-2022 15:00	20.30	0.20	0.70	1.70	1.70	13.60	1,327,600	38.50	0.30	0.70	3.40
24-11-2022 16:00	20.10	0.20	0.70	1.80	0.40	13.30	1,605,800	36.80	0.30	0.70	0.80
24-11-2022 17:00	19.30	0.20	0.70	1.70	6.70	13.90	1,237,400	38.30	0.40	0.70	13.50
24-11-2022 18:00	19.80	0.20	0.60	1.60	7.10	13.90	1,191,000	39.50	0.30	0.60	14.10
24-11-2022 19:00	19.40	0.20	0.70	1.70	7.10	13.80	1,220,400	38.10	0.30	0.70	14.20
24-11-2022 20:00	19.70	0.20	0.60	1.50	3.60	13.60	1,275,700	37.60	0.30	0.60	7.00
24-11-2022 21:00	19.60	0.20	0.80	1.90	3.81	13.90	1,164,400	37.20	0.40	0.80	18.26
24-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shut

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
28-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-11-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-11-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-11-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-11-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-11-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-11-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-11-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-11-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-11-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-11-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-11-2022 10:00	20.60	0.50	1.30	2.60	41.30	14.10	1,425,700	42.10	1.10	1.30	99.50
29-11-2022 11:00	24.30	0.20	1.10	2.40	0.60	13.60	1,815,700	46.50	0.40	1.10	1.10
29-11-2022 12:00	24.00	0.20	1.10	2.40	0.30	13.60	1,810,800	46.00	0.40	1.10	0.60
29-11-2022 13:00	19.60	0.20	0.70	1.80	3.70	13.90	1,299,000	38.60	0.40	0.70	7.40
29-11-2022 14:00	19.60	0.20	0.80	1.90	2.10	13.70	1,350,600	37.80	0.50	0.80	4.00
29-11-2022 15:00	23.00	0.30	0.90	2.20	0.10	13.70	1,815,500	44.10	0.50	0.90	0.30
29-11-2022 16:00	22.10	0.30	0.90	2.10	0.20	13.50	1,713,600	41.90	0.50	0.90	0.40
29-11-2022 17:00	21.20	0.20	0.80	2.00	0.00	13.30	1,668,700	38.50	0.50	0.80	0.00
29-11-2022 18:00	21.00	0.20	0.80	1.90	0.00	13.20	1,661,500	38.20	0.40	0.80	0.00
29-11-2022 19:00	20.40	0.20	0.70	1.70	0.00	13.20	1,651,300	36.90	0.30	0.70	0.00
29-11-2022 20:00	20.10	0.20	0.70	1.80	0.00	13.20	1,672,300	36.50	0.30	0.70	0.00
29-11-2022 21:00	20.00	0.20	0.70	1.80	0.20	13.20	1,663,300	36.10	0.40	0.70	0.30
29-11-2022 22:00	20.20	0.20	0.70	1.80	0.00	13.20	1,665,000	36.70	0.30	0.70	0.00
29-11-2022 23:00	20.20	0.20	0.80	2.00	0.10	13.20	1,669,000	36.50	0.40	0.80	0.10
29-11-2022 24:00	20.00	0.20	0.80	2.00	0.00	13.20	1,670,600	36.20	0.30	0.80	0.00
30-11-2022 01:00	20.10	0.20	0.70	1.80	0.00	13.20	1,669,800	36.40	0.30	0.70	0.00
30-11-2022 02:00	20.00	0.20	0.70	1.80	0.00	13.20	1,643,500	36.30	0.30	0.70	0.00
30-11-2022 03:00	20.10	0.20	0.70	1.70	0.00	13.20	1,652,500	36.50	0.30	0.70	0.00
30-11-2022 04:00	20.10	0.20	0.70	1.80	0.10	13.20	1,663,400	36.30	0.30	0.70	0.20
30-11-2022 05:00	20.20	0.20	0.80	1.90	0.00	13.20	1,652,000	36.60	0.30	0.80	0.00
30-11-2022 06:00	20.00	0.20	0.80	1.90	0.00	13.20	1,656,200	36.20	0.30	0.80	0.00
30-11-2022 07:00	20.20	0.20	0.70	1.70	0.00	13.20	1,644,900	36.60	0.30	0.70	0.00
30-11-2022 08:00	20.30	0.20	0.60	1.60	0.00	13.20	1,636,100	36.70	0.30	0.60	0.00
30-11-2022 09:00	20.20	0.20	0.70	1.80	0.00	13.20	1,665,000	36.60	0.30	0.70	0.00
30-11-2022 10:00	20.20	0.20	0.80	2.00	0.00	13.20	1,677,600	36.60	0.30	0.80	0.00
30-11-2022 11:00	20.70	0.20	0.90	2.10	0.00	13.20	1,666,900	37.60	0.40	0.90	0.00
30-11-2022 12:00	20.60	0.20	0.90	2.20	0.00	13.20	1,638,600	37.40	0.40	0.90	0.00

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/11/2022 00:00-30/11/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
30-11-2022 13:00	20.20	0.30	0.80	1.90	2.10	13.60	1,386,400	38.50	0.50	0.80	4.20
30-11-2022 14:00	20.60	0.30	0.70	1.80	2.70	13.70	1,297,900	39.90	0.50	0.70	5.30
30-11-2022 15:00	21.30	0.30	0.80	1.90	0.00	13.20	1,659,500	38.60	0.50	0.80	0.00
30-11-2022 16:00	20.90	0.30	0.80	1.90	0.00	13.30	1,655,500	37.90	0.50	0.80	0.00
30-11-2022 17:00	20.60	0.30	0.80	1.90	0.00	13.20	1,682,200	37.50	0.50	0.80	0.00
30-11-2022 18:00	20.70	0.20	0.80	2.00	0.00	13.20	1,653,300	37.60	0.40	0.80	0.00
30-11-2022 19:00	20.30	0.20	0.70	1.80	0.00	13.20	1,663,300	36.80	0.30	0.70	0.00
30-11-2022 20:00	20.10	0.20	0.60	1.60	2.10	13.50	1,411,900	37.80	0.40	0.60	4.10
30-11-2022 21:00	20.10	0.20	0.60	1.60	5.50	13.90	1,197,600	39.80	0.40	0.60	11.00
30-11-2022 22:00	20.10	0.20	0.70	1.70	5.40	13.90	1,191,400	39.90	0.40	0.70	10.80
30-11-2022 23:00	20.40	0.20	0.70	1.70	5.00	13.80	1,193,800	40.20	0.40	0.70	9.80
30-11-2022 24:00	20.90	0.20	0.60	1.60	4.30	13.80	1,196,500	41.10	0.40	0.60	8.50
Minimum	9.00	0.10	0.60	1.40	0.00	13.20	1,164,400.00	19.60	0.20	0.60	0.00
Maximum	24.30	0.70	3.00	3.90	147.50	14.90	1,815,700.00	47.00	1.40	3.00	323.10
Avg	17.39	0.37	1.65	2.78	15.83	13.91	1,620,275.26	34.28	0.75	1.65	33.77
SUM											
STD								STD = 70,120.120	STD = 10,30.20	STD = 20,35.60	STD = 690

Remark : 14-20 Nov. Strat up with fuel gas and FSWO Gas to Oil
21-24, 29-30 Nov. Operated with fuel gas

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/10/2022 00:00-31/10/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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01-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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03-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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03-10-2022 13:00	Reserved Shutdown	Re

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/10/2022 00:00-31/10/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C		HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr		ppm	ppm	mg/m3	ppm
06-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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06-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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08-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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08-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/10/2022 00:00-31/10/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C		HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr		ppm	ppm	mg/m3	ppm
08-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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09-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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09-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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09-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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09-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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09-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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10-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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10-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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10-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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10-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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11-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/10/2022 00:00-31/10/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C		HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr		ppm	ppm	mg/m3	ppm
16-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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16-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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16-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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17-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/10/2022 00:00-31/10/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C		HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr		ppm	ppm	mg/m3	ppm
18-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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20-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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20-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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20-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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21-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/10/2022 00:00-31/10/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
26-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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26-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/10/2022 00:00-31/10/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
28-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/10/2022 00:00-31/10/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/10/2022 00:00-31/10/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
03-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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05-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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05-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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05-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/10/2022 00:00-31/10/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
06-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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06-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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07-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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07-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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07-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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08-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/10/2022 00:00-31/10/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/10/2022 00:00-31/10/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
13-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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14-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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14-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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16-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/10/2022 00:00-31/10/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
16-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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16-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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18-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/10/2022 00:00-31/10/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/10/2022 00:00-31/10/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
23-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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25-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/10/2022 00:00-31/10/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
26-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/10/2022 00:00-31/10/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
28-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shut

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/10/2022 00:00-31/10/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/10/2022 00:00-31/10/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
03-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/10/2022 00:00-31/10/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/10/2022 00:00-31/10/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
11-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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11-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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11-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-10-2022 08:00	18.60	0.00	2.50	1.50	31.9	14.40	1,652,300	40.20	0.00	2.50	54.80
12-10-2022 09:00	17.60	0.00	2.60	1.60	70.7	14.50	1,581,800	38.10	0.00	2.60	70.90
12-10-2022 10:00	13.00	0.00	2.50	1.50	51.6	14.70	1,425,200	29.00	0.00	2.50	158.00
12-10-2022 11:00	14.90	0.00	1.70	1.10	4	14.60	1,488,700	33.00	0.00	1.70	115.50
12-10-2022 12:00	20.20	0.00	1.90	1.20	34.2	14.40	1,661,100	43.80	0.00	1.90	8.60
12-10-2022 13:00	15.10	0.00	1.70	1.10	3.8	14.60	1,520,100	33.30	0.00	1.70	76.00
12-10-2022 14:00	20.00	0.00	1.60	1.10	3	14.40	1,657,500	43.40	0.00	1.60	7.90
12-10-2022 15:00	19.90	0.00	1.70	1.10	3.2	14.40	1,658,900	43.20	0.00	1.70	6.40
12-10-2022 16:00	19.70	0.00	1.60	1.00	3.9	14.40	1,652,900	42.70	0.00	1.60	7.00
12-10-2022 17:00	19.40	0.00	1.70	1.00	4.5	14.40	1,643,600	42.10	0.00	1.70	8.50
12-10-2022 18:00	19.00	0.00	1.60	1.00	4.6	14.40	1,666,800	41.00	0.00	1.60	9.70
12-10-2022 19:00	19.20	0.00	1.60	1.00	5.1	14.40	1,691,500	41.30	0.00	1.60	9.80
12-10-2022 20:00	19.30	0.00	1.70	1.10	6.5	14.40	1,685,500	41.60	0.00	1.70	10.90
12-10-2022 21:00	19.00	0.00	1.70	1.10	7	14.40	1,673,300	40.90	0.00	1.70	13.90
12-10-2022 22:00	18.80	0.00	1.70	1.10	7.1	14.40	1,689,300	40.40	0.00	1.70	15.20
12-10-2022 23:00	19.00	0.00	1.60	1.10	8	14.40	1,696,200	40.90	0.00	1.60	15.30
12-10-2022 24:00	18.90	0.00	1.70	1.00	8.6	14.40	1,701,100	40.80	0.00	1.70	17.30
13-10-2022 01:00	18.90	0.00	1.70	1.20	9	14.40	1,710,100	40.60	0.00	1.70	18.50
13-10-2022 02:00	18.70	0.00	1.80	1.20	10	14.40	1,716,300	40.30	0.00	1.80	19.40
13-10-2022 03:00	18.50	0.00	2.10	1.40	66.5	14.40	1,710,300	40.00	0.00	2.10	21.70
13-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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13-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/10/2022 00:00-31/10/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
13-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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14-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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14-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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14-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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15-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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16-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/10/2022 00:00-31/10/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
16-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/10/2022 00:00-31/10/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
21-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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21-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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22-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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22-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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23-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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23-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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23-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/10/2022 00:00-31/10/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
23-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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24-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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24-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-10-2022 08:00	19.70	0.00	1.60	1.10	5.9	14.30	1,786,500	41.90	0.00	1.10	15.80
25-10-2022 09:00	19.50	0.00	1.50	1.10	4.5	14.40	1,764,100	41.40	0.00	1.10	12.60
25-10-2022 10:00	19.80	0.00	1.50	1.00	3.1	14.40	1,732,000	42.30	0.00	1.00	9.50
25-10-2022 11:00	20.30	0.00	1.60	1.00	2.7	14.40	1,687,900	43.70	0.00	1.00	6.70
25-10-2022 12:00	20.30	0.00	1.50	1.00	2.8	14.40	1,668,900	43.80	0.00	1.00	5.80
25-10-2022 13:00	20.20	0.00	1.50	1.00	2.5	14.40	1,643,000	43.60	0.00	1.00	6.10
25-10-2022 14:00	20.20	0.00	1.50	1.00	2.6	14.40	1,629,000	43.50	0.00	1.00	5.40
25-10-2022 15:00	20.10	0.00	1.60	1.00	2.9	14.40	1,593,900	43.30	0.00	1.00	5.60
25-10-2022 16:00	19.50	0.00	1.50	1.00	3.4	14.40	1,618,800	42.00	0.00	1.00	6.30
25-10-2022 17:00	19.20	0.00	1.60	1.10	3.8	14.40	1,659,900	41.30	0.00	1.10	7.20
25-10-2022 18:00	19.50	0.00	1.60	1.10	3.8	14.40	1,670,400	41.80	0.00	1.10	8.10
25-10-2022 19:00	19.70	0.00	1.70	1.10	4.2	14.40	1,665,000	42.40	0.00	1.10	8.20
25-10-2022 20:00	19.10	0.00	1.70	1.20	4.6	14.40	1,672,100	41.10	0.00	1.20	8.90
25-10-2022 21:00	18.70	0.00	1.70	1.20	5.3	14.40	1,712,200	40.20	0.00	1.20	10.00
25-10-2022 22:00	18.60	0.00	1.70	1.20	5.5	14.40	1,720,900	39.90	0.00	1.20	11.40
25-10-2022 23:00	18.80	0.00	1.70	1.20	5.8	14.40	1,729,000	40.40	0.00	1.20	11.70
25-10-2022 24:00	18.70	0.00	1.70	1.20	6.4	14.40	1,724,900	40.20	0.00	1.20	12.50
26-10-2022 01:00	18.60	0.00	1.70	1.20	7.1	14.40	1,735,500	40.00	0.00	1.20	13.70
26-10-2022 02:00	18.60	0.00	1.80	1.30	7.6	14.40	1,738,200	39.90	0.00	1.30	15.30
26-10-2022 03:00	18.30	0.00	1.80	1.30	8.2	14.40	1,744,800	39.30	0.00	1.30	16.30
26-10-2022 04:00	18.40	0.00	1.70	1.20	8	14.40	1,750,500	39.40	0.00	1.20	17.60
26-10-2022 05:00	18.30	0.00	1.70	1.20	7.6	14.40	1,751,000	39.20	0.00	1.20	17.10
26-10-2022 06:00	18.30	0.00	1.70	1.20	7.8	14.40	1,754,700	39.20	0.00	1.20	16.40
26-10-2022 07:00	18.00	0.00	1.70	1.20	7.6	14.30	1,756,000	38.50	0.00	1.20	16.80
26-10-2022 08:00	18.20	0.00	1.60	1.20	6.6	14.40	1,755,100	38.80	0.00	1.20	16.30
26-10-2022 09:00	18.40	0.00	1.60	1.20	5.6	14.40	1,747,800	39.30	0.00	1.20	14.20
26-10-2022 10:00	18.80	0.00	1.60	1.20	5.1	14.40	1,740,600	40.30	0.00	1.20	12.00

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/10/2022 00:00-31/10/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
26-10-2022 11:00	18.90	0.00	1.60	1.10	4.9	14.40	1,726,200	40.50	0.00	1.10	11.00
26-10-2022 12:00	18.80	0.00	1.60	1.10	4.6	14.40	1,718,000	40.30	0.00	1.10	10.60
26-10-2022 13:00	18.70	0.00	1.60	1.10	4	14.40	1,701,600	40.00	0.00	1.10	9.80
26-10-2022 14:00	18.80	0.00	1.60	1.10	3.9	14.30	1,698,600	40.20	0.00	1.10	8.70
26-10-2022 15:00	18.90	0.00	1.60	1.10	3.8	14.40	1,687,400	40.50	0.00	1.10	8.30
26-10-2022 16:00	19.00	0.00	1.60	1.10	4.4	14.40	1,689,500	40.70	0.00	1.10	8.20
26-10-2022 17:00	18.70	0.00	1.60	1.10	4.2	14.30	1,684,100	40.00	0.00	1.10	9.50
26-10-2022 18:00	19.00	0.00	1.60	1.10	4.6	14.40	1,666,400	40.90	0.00	1.10	8.90
26-10-2022 19:00	18.80	0.00	1.70	1.20	5.3	14.40	1,648,400	40.40	0.00	1.20	9.90
26-10-2022 20:00	18.60	0.00	1.70	1.20	5.1	14.30	1,635,800	39.90	0.00	1.20	11.30
26-10-2022 21:00	18.70	0.00	1.80	1.20	5.9	14.30	1,648,700	40.20	0.00	1.20	11.00
26-10-2022 22:00	18.50	0.00	1.80	1.20	6.1	14.40	1,653,400	39.70	0.00	1.20	12.60
26-10-2022 23:00

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/10/2022 00:00-31/10/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
31-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
Minimum	10.60	0.00	1.60	1.00	2.50	14.30	1,311,100.00	24.00	0.00	1.00	5.40
Maximum	20.30	0.00	2.60	1.60	116.50	14.70	1,786,500.00	43.80	0.00	2.60	262.10
Avg	17.30	0.00	1.87	1.22	22.88	14.41	1,632,041.22	37.35	0.00	1.44	48.69
SUM											
STD								STD = 70,120.120	STD = 10,30.20	STD = 20,35.60	STD = 690

In this month operate by Fuel Oil

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/10/2022 00:00-31/10/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/10/2022 00:00-31/10/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
03-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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04-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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05-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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05-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/10/2022 00:00-31/10/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
08-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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09-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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09-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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09-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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10-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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11-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/10/2022 00:00-31/10/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
11-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-10-2022 10:00	19.20	0.00	1.50	1.00	4.00	14.40	1,857,900	41.20	0.00	1.50	8.70
11-10-2022 11:00	18.30	0.10	1.50	1.00	3.70	14.40	1,812,000	39.30	0.10	1.50	8.00
11-10-2022 12:00	16.20	0.10	1.60	1.10	15.90	14.50	1,727,800	35.20	0.30	1.60	35.50
11-10-2022 13:00	11.30	0.20	2.10	1.40	61.90	14.70	1,574,700	25.30	0.30	2.10	138.90
11-10-2022 14:00	12.30	0.20	2.00	1.40	49.00	14.60	1,591,300	27.10	0.40	2.00	109.70
11-10-2022 15:00	11.30	0.20	2.10	1.40	60.20	14.70	1,563,900	25.10	0.50	2.10	134.80
11-10-2022 16:00	11.20	0.20	2.10	1.50	59.80	14.70	1,579,900	25.00	0.40	2.10	133.90
11-10-2022 17:00	11.00	0.20	2.20	1.50	63.50	14.70	1,550,100	24.60	0.60	2.20	142.20
11-10-2022 18:00	11.10	0.30	2.20	1.50	61.50	14.60	1,576,200	24.60	0.60	2.20	137.30
11-10-2022 19:00	14.80	0.30	2.00	1.40	17.60	14.50	1,736,300	32.00	0.60	2.00	38.70
11-10-2022 20:00	11.40	0.30	2.10	1.50	64.70	14.60	1,570,200	25.30	0.60	2.10	144.30
11-10-2022 21:00	11.20	0.30	2.20	1.50	70.80	14.60	1,560,400	24.80	0.60	2.20	158.00
11-10-2022 22:00	11.10	0.30	2.20	1.50	72.00	14.60	1,566,400	24.60	0.60	2.20	160.50
11-10-2022 23:00	11.40	0.30	2.20	1.50	68.00	14.60	1,560,800	25.10	0.60	2.20	151.30
11-10-2022 24:00	11.60	0.30	2.20	1.50	66.40	14.60	1,573,200	25.60	0.60	2.20	147.80
12-10-2022 01:00	14.70	0.30	2.00	1.30	28.00	14.50	1,709,200	31.70	0.60	2.00	61.80
12-10-2022 02:00	16.30	0.30	1.80	1.20	7.00	14.40	1,789,700	35.00	0.60	1.80	15.00
12-10-2022 03:00	16.10	0.30	1.80	1.20	7.20	14.40	1,787,500	34.60	0.60	1.80	15.40
12-10-2022 04:00	15.40	0.30	2.00	1.30	17.50	14.50	1,738,900	33.10	0.60	2.00	38.40
12-10-2022 05:00	11.50	0.30	2.20	1.50	62.80	14.60	1,574,500	25.40	0.60	2.20	139.30
12-10-2022 06:00	15.70	0.30	2.00	1.30	20.00	14.50	1,771,800	34.00	0.60	2.00	44.00
12-10-2022 07:00	16.30	0.30	2.00	1.30	12.10	14.50	1,786,500	35.10	0.60	2.00	26.30
12-10-2022 08:00	14.50	0.30	2.00	1.30	29.30	14.50	1,713,300	31.40	0.60	2.00	64.50
12-10-2022 09:00	14.10	0.30	2.20	1.40	37.50	14.50	1,668,900	30.60	0.60	2.20	83.30
12-10-2022 10:00	10.70	0.30	2.30	1.60	82.00	14.70	1,526,800	23.80	0.60	2.30	183.80
12-10-2022 11:00	12.20	0.30	2.20	1.60	59.00	14.60	1,583,400	27.00	0.60	2.20	132.50
12-10-2022 12:00	16.40	0.30	1.60	1.30	4.60	14.50	1,738,100	35.60	0.60	1.60	10.10
12-10-2022 13:00	12.40	0.30	1.80	1.50	35.80	14.60	1,607,400	27.40	0.60	1.80	79.70
12-10-2022 14:00	16.30	0.30	1.50	1.10	4.60	14.50	1,748,200	35.20	0.70	1.50	10.00
12-10-2022 15:00	15.90	0.30	1.50	1.10	4.80	14.50	1,749,500	34.40	0.70	1.50	10.40
12-10-2022 16:00	15.70	0.30	1.50	1.10	5.30	14.50	1,726,300	34.10	0.70	1.50	11.50
12-10-2022 17:00	15.70	0.30	1.50	1.10	5.50	14.50	1,715,600	34.10	0.70	1.50	11.90
12-10-2022 18:00	15.80	0.30	1.50	1.10	5.30	14.50	1,730,700	34.10	0.60	1.50	11.50
12-10-2022 19:00	15.80	0.30	1.50	1.10	5.50	14.40	1,741,400	34.10	0.60	1.50	11.80
12-10-2022 20:00	15.90	0.30	1.50	1.10	5.70	14.40	1,746,300	34.30	0.70	1.50	12.30
12-10-2022 21:00	15.90	0.30	1.50	1.10	6.50	14.40	1,745,800	34.20	0.60	1.50	13.90
12-10-2022 22:00	15.90	0.30	1.50	1.10	7.10	14.40	1,734,600	34.20	0.60	1.50	15.30
12-10-2022 23:00	16.00	0.30	1.50	1.10	7.30	14.40	1,736,900	34.50	0.60	1.50	15.80
12-10-2022 24:00	16.10	0.30	1.50	1.10	7.90	14.40	1,742,300	34.60	0.60	1.50	16.90
13-10-2022 01:00	15.90	0.30	1.50	1.10	8.40	14.40	1,745,300	34.10	0.60	1.50	18.10
13-10-2022 02:00	15.60	0.20	1.50	1.10	8.80	14.50	1,730,200	33.70	0.50	1.50	18.90
13-10-2022 03:00	15.50	0.20	1.50	1.10	9.40	14.50	1,730,400	33.60	0.50	1.50	20.40
13-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/10/2022 00:00-31/10/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
13-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-10-2022 07

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/10/2022 00:00-31/10/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
18-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/10/2022 00:00-31/10/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
21-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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21-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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22-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/10/2022 00:00-31/10/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/10/2022 00:00-31/10/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
28-10-2022 24:00	9.90	0.30	2.30	1.60	109.70	14.70	1,426,100	22.40	0.60	2.30	247.70
29-10-2022 01:00	9.70	0.30	2.30	1.60	115.10	14.70	1,403,100	21.80	0.60	2.30	259.50
29-10-2022 02:00	9.60	0.30	2.30	1.60	116.30	14.70	1,401,100	21.70	0.60	2.30	261.70
29-10-2022 03:00	9.70	0.30	2.30	1.60	115.90	14.70	1,400,600	21.90	0.60	2.30	260.90
29-10-2022 04:00	9.90	0.30	2.30	1.60	112.90	14.70	1,404,800	22.30	0.60	2.30	254.60
29-10-2022 05:00	9.90	0.30	2.20	1.60	112.40	14.70	1,398,200	22.20	0.60	2.20	253.70
29-10-2022 06:00	10.20	0.30	2.20	1.60	109.00	14.80	1,399,400	23.00	0.60	2.20	246.80
29-10-2022 07:00	10.40	0.30	2.20	1.60	108.70	14.80	1,406,300	23.50	0.60	2.20	246.90
29-10-2022 08:00	10.30	0.30	2.20	1.60	109.60	14.70	1,401,700	23.20	0.60	2.20	248.00
29-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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30-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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30-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/10/2022 00:00-31/10/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
31-10-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-10-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
Minimum	9.00	0.00	1.50	1.00	2.80	14.40	1,390,800.00	20.20	0.00	1.50	5.10
Maximum	19.20	0.40	2.40	1.60	126.10	14.80	1,857,900.00	41.20	0.80	2.40	285.40
Avg	14.40	0.27	1.70	1.19	24.17	14.48	1,686,281.97	31.12	0.59	1.58	53.71
SUM											
STD								STD = 70,120,120	STD = 10,30,20	STD = 20,35,60	STD = 690

In this month operate by Fuel Oil

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/09/2022 00:00-30/09/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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01-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shut

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C		HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr		ppm	ppm	mg/m3	ppm
06-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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06-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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06-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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06-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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06-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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06-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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07-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C		HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr		ppm	ppm	mg/m3	ppm
08-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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09-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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10-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
16-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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18-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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18-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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18-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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18-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
18-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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19-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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20-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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20-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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20-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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21-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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21-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
21-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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21-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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21-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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22-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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22-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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23-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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23-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
26-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
28-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
29-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avg	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
SUM											
STD								STD = 70,120,120	STD = 10,30,20	STD = 20,35,60	STD = 690

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
06-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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06-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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06-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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07-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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07-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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07-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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07-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
08-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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08-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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09-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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09-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
16-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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17-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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17-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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18-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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18-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
18-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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19-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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19-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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19-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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20-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
21-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
21-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
22-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
23-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
26-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
26-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
27-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
28-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
28-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
29-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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30-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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30-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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30-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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30-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avg	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
SUM											
STD								STD = 70,120,120	STD = 10,30,20	STD = 20,35,60	STD = 690

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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01-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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01-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
06-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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07-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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07-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
08-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 01:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 02:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 03:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 04:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 05:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 06:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 07:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 08:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 09:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 10:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 11:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 12:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 13:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 14:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 15:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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09-09-2022 23:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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10-09-2022 02:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 03:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 04:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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10-09-2022 18:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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11-09-2022 03:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 04:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
11-09-2022 05:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 06:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 07:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 08:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 09:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 10:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 11:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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11-09-2022 18:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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12-09-2022 04:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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12-09-2022 09:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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12-09-2022 16:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
12-09-2022 17:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
12-09-2022 18:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
12-09-2022 19:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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12-09-2022 23:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
12-09-2022 24:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
13-09-2022 01:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
13-09-2022 02:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
13-09-2022 03:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
13-09-2022 04:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
13-09-2022 05:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
13-09-2022 06:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
13-09-2022 07:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
13-09-2022 08:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
13-09-2022 09:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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13-09-2022 11:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
13-09-2022 12:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/09/2022 00:00-30/09/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
16-09-2022 07:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 08:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 09:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 10:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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16-09-2022 12:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 13:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 14:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 15:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 16:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 17:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 18:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 19:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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17-09-2022 03:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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17-09-2022 05:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 06:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 07:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 08:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 09:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 10:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 11:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 12:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 13:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 14:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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17-09-2022 17:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 18:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 19:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 20:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 21:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 22:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 23:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 24:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 01:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 02:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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18-09-2022 09:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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18-09-2022 18:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 19:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/09/2022 00:00-30/09/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
18-09-2022 20:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 21:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 22:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 23:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 24:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 01:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 02:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 03:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 04:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 05:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 06:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 07:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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19-09-2022 18:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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19-09-2022 20:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 21:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 22:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 23:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
19-09-2022 24:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
20-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/09/2022 00:00-30/09/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
21-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shut

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/09/2022 00:00-30/09/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
26-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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27-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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27-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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28-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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28-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/09/2022 00:00-30/09/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
28-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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29-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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29-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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30-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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30-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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30-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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30-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avg	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
SUM											
STD								STD = 70,120,120	STD = 10,30,20	STD = 20,35,60	STD = 690

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/09/2022 00:00-30/09/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutd

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/09/2022 00:00-30/09/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
06-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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08-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/09/2022 00:00-30/09/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
08-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-09-2022 01:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 02:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 03:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 04:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 05:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 06:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 07:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 08:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 09:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 10:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 11:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 12:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 13:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 14:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 15:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 16:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 17:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 18:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 19:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 20:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 21:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 22:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 23:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
09-09-2022 24:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 01:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 02:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 03:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 04:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 05:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 06:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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10-09-2022 10:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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10-09-2022 12:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 13:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 14:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 15:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 16:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 17:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 18:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 19:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 20:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 21:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 22:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 23:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
10-09-2022 24:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 01:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 02:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 03:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 04:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/09/2022 00:00-30/09/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
11-09-2022 05:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 06:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 07:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 08:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 09:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 10:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 11:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 12:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 13:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 14:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 15:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 16:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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11-09-2022 18:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 19:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
11-09-2022 20:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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13-09-2022 08:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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13-09-2022 10:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
13-09-2022 11:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
13-09-2022 12:00

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/09/2022 00:00-30/09/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
16-09-2022 07:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 08:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 09:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 10:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 11:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 12:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 13:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 14:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 15:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 16:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 17:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 18:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
16-09-2022 19:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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16-09-2022 24:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 01:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 02:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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17-09-2022 05:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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17-09-2022 08:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 09:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 10:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
17-09-2022 11:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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17-09-2022 18:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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18-09-2022 18:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 19:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/09/2022 00:00-30/09/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
18-09-2022 20:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 21:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 22:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
18-09-2022 23:00	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage	Outage
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20-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/09/2022 00:00-30/09/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
21-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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21-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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21-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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22-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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22-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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22-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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22-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shut

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
26-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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26-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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27-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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27-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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28-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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28-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/09/2022 00:00-30/09/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
28-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-09-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avg	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
SUM											
STD								STD = 70,120,120	STD = 10,30,20	STD = 20,35,60	STD = 690

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-08-2022 01:00	11.30	0.00	3.40	6.00	208.00	14.80	1,415,400	25.80	0.00	3.40	473.70
01-08-2022 02:00	11.30	0.00	3.40	6.10	213.30	14.80	1,412,100	25.60	0.00	3.40	486.00
01-08-2022 03:00	11.30	0.00	3.40	6.10	214.60	14.80	1,404,700	25.70	0.00	3.40	489.00
01-08-2022 04:00	11.30	0.00	3.70	6.60	214.80	14.80	1,392,300	25.70	0.00	3.70	490.10
01-08-2022 05:00	11.20	0.00	3.80	6.70	212.40	14.80	1,387,400	25.60	0.00	3.80	485.30
01-08-2022 06:00	11.30	0.00	3.70	6.50	206.90	14.80	1,393,900	25.80	0.00	3.70	473.00
01-08-2022 07:00	11.30	0.00	3.70	6.60	209.80	14.80	1,402,000	25.70	0.00	3.70	480.90
01-08-2022 08:00	11.20	0.00	3.70	6.50	212.00	14.80	1,403,700	25.60	0.00	3.70	486.50
01-08-2022 09:00	11.10	0.00	3.70	6.50	213.80	14.80	1,402,100	25.50	0.00	3.70	490.80
01-08-2022 10:00	10.90	0.00	3.70	6.50	222.90	14.80	1,411,800	25.00	0.00	3.70	512.90
01-08-2022 11:00	10.80	0.00	3.60	6.40	230.60	14.80	1,417,400	24.70	0.00	3.60	530.10
01-08-2022 12:00	10.70	0.00	3.50	6.20	233.20	14.80	1,426,000	24.50	0.00	3.50	535.60
01-08-2022 13:00	10.50	0.00	3.50	6.10	240.00	14.90	1,443,900	24.20	0

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C		HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr		ppm	ppm	mg/m3	ppm
06-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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06-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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07-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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07-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C		HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr		ppm	ppm	mg/m3	ppm
08-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
09-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
10-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C		HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr		ppm	ppm	mg/m3	ppm
16-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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16-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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17-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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17-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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17-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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17-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C		HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr		ppm	ppm	mg/m3	ppm
18-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
26-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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27-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
28-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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29-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/08/2022 00:00-31/08/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
03-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/08/2022 00:00-31/08/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
06-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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07-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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08-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/08/2022 00:00-31/08/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
13-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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15-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
16-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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17-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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17-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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17-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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18-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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18-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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18-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/08/2022 00:00-31/08/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
23-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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25-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/08/2022 00:00-31/08/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
26-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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28-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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28-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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28-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/08/2022 00:00-31/08/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
28-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shut

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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01-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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01-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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03-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
03-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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03-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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04-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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04-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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05-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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05-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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05-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
11-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
13-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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14-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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14-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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14-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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15-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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15-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
21-08-2022 00:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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22-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
23-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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24-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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24-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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25-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/08/2022 00:00-31/08/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
31-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avg	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
SUM											
STD								STD = 70,120,120	STD = 10,30,20	STD = 20,35,60	STD = 690

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/08/2022 00:00-31/08/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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03-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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03-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/08/2022 00:00-31/08/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
03-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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04-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
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09-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
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12-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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12-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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12-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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13-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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13-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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13-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/08/2022 00:00-31/08/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
18-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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19-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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19-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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19-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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19-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/08/2022 00:00-31/08/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
21-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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21-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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22-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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22-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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23-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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23-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/08/2022 00:00-31/08/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @ 1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
28-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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30-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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31-08-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/08/2022 00:00-31/08/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @ 1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
31-08-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-08-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avg	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
SUM											
STD								STD = 70,120,120	STD = 10,30,20	STD = 20,35,60	STD = 690

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @ 1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Re

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C		HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr		ppm	ppm	mg/m3	ppm
06-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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07-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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07-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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08-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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08-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C		HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr		ppm	ppm	mg/m3	ppm
08-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C		HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr		ppm	ppm	mg/m3	ppm
16-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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18-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition								Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C		HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr		ppm	ppm	mg/m3	ppm
18-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
20-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown		Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/07/2022 00:00-31/07/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
26-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 15:00	11.00	0.30	3.20	5.70	213.40	14.90	1,424,000	25.50	0.40	3.20	495.50
27-07-2022 16:00	11.00	0.30	3.20	5.70	208.20	14.90	1,433,100	25.60	0.80	3.20	484.60
27-07-2022 17:00	10.90	0.30	3.20	5.70	207.60	14.90	1,420,500	25.40	0.70	3.20	483.20
27-07-2022 18:00	10.70	0.30	3.40	6.00	212.90	14.90	1,412,200	24.70	0.70	3.40	492.90
27-07-2022 19:00	10.90	0.30	3.30	5.90	200.60	14.90	1,425,500	25.00	0.70	3.30	462.70
27-07-2022 20:00	11.00	0.30	3.40	6.00	194.20	14.80	1,435,100	25.10	0.70	3.40	444.90
27-07-2022 21:00	11.10	0.30	3.50	6.10	212.70	14.80	1,422,000	25.50	0.80	3.50	488.00
27-07-2022 22:00	11.40	0.30	3.40	6.10	212.50	14.90	1,422,600	26.10	0.80	3.40	489.50
27-07-2022 23:00	11.50	0.40	3.30	5.80	203.40	14.80	1,416,100	26.40	0.80	3.30	466.70
27-07-2022 24:00	12.00	0.30	3.20	5.60	178.90	14.80	1,439,200	27.20	0.80	3.20	408.30
28-07-2022 01:00	12.50	0.30	3.40	6.00	167.20	14.80	1,474,300	28.30	0.80	3.40	383.10
28-07-2022 02:00	11.40	0.30	3.70	6.50	219.10	14.80	1,406,500	26.00	0.70	3.70	502.80
28-07-2022 03:00	11.40	0.30	3.70	6.50	212.80	14.80	1,417,300	26.10	0.70	3.70	487.90
28-07-2022 04:00	11.40	0.30	3.70	6.60	220.80	14.80	1,409,300	26.10	0.70	3.70	507.20
28-07-2022 05:00	11.40	0.30	3.80	6.60	213.40	14.80	1,409,900	26.10	0.70	3.80	490.10
28-07-2022 06:00	11.50	0.30	3.50	6.30	205.30	14.80	1,420,100	26.30	0.80	3.50	471.90
28-07-2022 07:00	11.30	0.30	3.40	6.10	217.00	14.90	1,409,000	26.10	0.70	3.40	499.90
28-07-2022 08:00	11.20	0.30	3.50	6.20	216.70	14.90	1,412,300	25.80	0.70	3.50	500.50
28-07-2022 09:00	11.00	0.30	3.40	6.10	214.30	14.90	1,435,100	25.40	0.80	3.40	495.10
28-07-2022 10:00	10.70	0.30	3.50	6.20	228.90	14.90	1,444,100	24.70	0.80	3.50	529.20
28-07-2022 11:00	10.60	0.40	3.60	6.30	236.80	14.90	1,438,800	24.50	0.80	3.60	546.90
28-07-2022 12:00	10.60	0.40	3.60	6.10	234.80	14.90	1,448,800	24.50	0.80	3.50	542.60
28-07-2022 13:00	10.70	0.40	3.50	6.10	233.80	14.80	1,433,600	24.60	0.80	3.50	537.60
28-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/07/2022 00:00-31/07/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
28-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 01:00	13.10	0.20	2.80	5.00	275.20	14.80	1,396,900	29.90	0.30	2.80	406.50
29-07-2022 02:00	11.00	0.20	3.10	5.60	211.20	14.80	1,421,700	25.00	0.40	3.10	480.50
29-07-2022 03:00	10.90	0.30	3.40	6.00	208.30	14.80	1,428,600	24.80	0.70	3.40	474.00
29-07-2022 04:00	11.10	0.30	3.50	6.30	203.30	14.80	1,411,200	25.20	0.80	3.50	463.80
29-07-2022 05:00	11.10	0.20	3.60	6.40	198.50	14.80	1,415,500	25.30	0.40	3.60	454.10
29-07-2022 06:00	11.10	0.30	3.70	6.50	199.40	14.80	1,407,500	25.30	0.60	3.70	456.50
29-07-2022 07:00	11.10	0.20	3.50	6.20	209.00	14.80	1,408,900	25.30	0.30	3.50	479.80
29-07-2022 08:00	11.00	0.30	3.60	6.40	207.80	14.80	1,419,200	25.20	0.60	3.60	477.50
29-07-2022 09:00	10.80	0.30	3.60	6.40	213.60	14.90	1,418,900	24.80	0.70	3.60	491.70
29-07-2022 10:00	10.50	0.30	3.60	6.30	219.80	14.90	1,432,500	24.10	0.70	3.60	507.20
29-07-2022 11:00	10.60	0.30	3.60	6.30	222.90	14.90	1,429,300	24.30	0.60	3.60	513.90
29-07-2022 12:00	10.50	0.30	3.50	6.20	225.10	14.90	1,426,700	24.20	0.70	3.50	521.00
29-07-2022 13:00	10.60	0.30	3.40	6.00	218.70	14.90	1,425,800	24.50	0.60	3.40	507.20
29-07-2022 14:00	10.90	0.30	3.30	5.90	201.90	14.90	1,441,400	25.20	0.60	3.30	467.40
29-07-2022 15:00	10.90	0.30	3.30	5.90	204.80	14.90	1,441,000	25.20	0.60	3.30	474.50
29-07-2022 16:00	10.90	0.30	3.20	5.80	203.20	14.90	1,450,900	25.30	0.50	3.20	472.90
29-07-2022 17:00	10.90	0.20	3.10	5.50	204.40	14.90	1,455,100	25.30	0.40	3.10	468.90
29-07-2022 18:00	10.70	0.20	3.10	5.60	201.40	14.90	1,461,900	24.90	0.40	3.10	466.30
29-07-2022 19:00	11.10	0.20	3.30	5.80	188.20	14.90	1,466,200	25.70	0.40	3.30	435.20
29-07-2022 20:00	15.30	0.10	2.70	4.80	46.70	14.60	1,629,400	33.90	0.30	2.70	106.10
29-07-2022 21:00	16.90	0.20	2.40	4.30	9.90	14.50	1,671,000	36.90	0.40	2.40	21.70
29-07-2022 22:00	16.70	0.20	2.50	4.50	11.60	14.60	1,682,900	36.50	0.40	2.50	25.40
29-07-2022 23:00	16.80	0.20	2.50	4.60	11.90	14.50	1,680,900	36.80	0.40	2.50	26.00
29-07-2022 24:00	11.40	0.20	3.40	6.10	186.30	14.80	1,438,700	25.90	0.40	3.40	424.80
30-07-2022 01:00	11.20	0.20	3.50	6.20	197.00	14.80	1,428,400	25.40	0.40	3.50	448.50
30-07-2022 02:00	11.20	0.20	3.50	6.20	190.90	14.80	1,434,100	25.40	0.40	3.50	434.20
30-07-2022 03:00	11.00	0.20	3.50	6.10	206.30	14.80	1,413,100	25.00	0.40	3.50	469.90
30-07-2022 04:00	10.90	0.20	3.50	6.20	206.00	14.80	1,414,200	24.90	0.40	3.50	469.60
30-07-2022 05:00	11.00	0.20	3.50	6.20	201.40	14.80	1,416,400	25.00	0.40	3.50	459.80
30-07-2022 06:00	11.00	0.20	3.50	6.30	204.50	14.80	1,410,500	25.00	0.40	3.50	467.60
30-07-2022 07:00	11.00	0.10	3.60	6.30	207.20	14.80	1,407,700	25.20	0.20	3.60	474.80
30-07-2022 08:00	10.90	0.20	3.50	6.20	213.90	14.80	1,405,800	25.10	0.40	3.50	491.40
30-07-2022 09:00	10.70	0.20	3.50	6.20	223.20	14.80	1,418,900	24.70	0.40	3.50	513.10
30-07-2022 10:00	10.60	0.20	3.50	6.10	225.20	14.90	1,413,700	24.40	0.40	3.50	518.20
30-07-2022 11:00	10.70	0.20	3.50	6.10	227.00	14.90	1,420,000	24.50	0.40	3.50	523.10
30-07-2022 12:00	10.60	0.40	3.40	6.00	229.40	14.90	1,419,300	24.40	0.80	3.40	529.40
30-07-2022 13:00	10.50	0.20	3.20	5.80	231.70	14.90	1,439,000	24.20	0.40	3.20	535.90
30-07-2022 14:00	10.60	0.40	3.20	5.70	225.00	14.90	1,451,600	24.50	0.80	3.20	521.90
30-07-2022 15:00	10.60	0.20	3.20	5.60	224.70	14.90	1,451,100	24.70	0.40	3.20	523.20
30-07-2022 16:00	10.50	0.20	3.10	5.70	224.80	14.90	1,450,800	24.50	0.40	3.10	520.90
30-07-2022 17:00	10.20	0.20	3.10	5.60	237.70	14.90	1,461,600	23.60	0.40	3.10	550.80
30-07-2022 18:00	10.20	0.20	3.20	5.70	236.10	14.90	1,457,400	23.50	0.40	3.20	547.60
30-07-2022 19:00	10.40	0.30	3.30	5.80	223.80	14.90	1,440,800	23.90	0.60	3.30	516.40
30-07-2022 20:00	10.50	0.30	3.30	5.90	226.30	14.90	1,435,700	24.10	0.50	3.30	521.20
30-07-2022 21:00	10.80	0.20	3.30	5.90	214.60	14.90	1,424,100	25.00	0.40	3.30	495.10
30-07-2022 22:00	10.80	0.30	3.40	6.00	221.80	14.80	1,419,200	24.60	0.70	3.40	508.30
30-07-2022 23:00	10.80	0.20	3.40	6.10	226.00	14.80	1,413,700	24.50	0.40	3.40	514.70
30-07-2022 24:00	10.80	0.20	3.40	6.10	223.80	14.80	1,419,200	24.40	0.40	3.40	508.60
31-07-2022 01:00	10.80	0.30	3.50	6.20	224.40	14.80	1,420,900	24.50	0.60	3.50	511.50
31-07-2022 02:00	10.70	0.20	3.50	6.20	227.70	14.80	1,418,500	24.40	0.40	3.50	518.70
31-07-2022 03:00	10.70	0.20	3.60	6.30	226.90	14.80	1,406,100	24.30	0.40	3.60	516.20
31-07-2022 04:00	10.70	0.30	3.70	6.50	224.80	14.80	1,406,400	24.30	0.60	3.70	511.40
31-07-2022 05:00	10.60	0.30	3.70	6.50	226.80	14.80	1,406,800	24.20	0.60	3.70	517.10
31-07-2022 06:00	10.70	0.30	3.50	6.20	221.00	14.80	1,403,900	24.50	0.70	3.50	504.90
31-07-2022 07:00	10.80	0.30	3.70	6.40	217.90	14.80	1,411,600	24.70	0.60	3.70	498.60
31-07-2022 08:00	10.80	0.30	3.60	6.30	224.60	14.80	1,412,200	24.80	0.70	3.60	514.70
31-07-2022 09:00	10.80	0.20	3.50	6.20	224.90	14.80	1,423,000	24.80	0.40	3.50	507.40
31-07-2022 10:00	10.60	0.20	3.50	6.10	227.70	14.90	1,419,100	24.50	0.40	3.50	525.00
31-07-2022 11:00	10.70	0.20	3.30	5.90	229.40	14.90	1,403,500	24.90	0.40	3.30	531.60
31-07-2022 12:00	10.70	0.20	3.20	5.70	230.00	14.90	1,410,900	24.70	0.40	3.20	532.90

Site Name: GULF JP NS
Stack Name: HRSG_STACK11
Periodically: 01/07/2022 00:00-31/07/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG11_NOx@7%O2	HRSG11_SOx@7%O2	HRSG11_TSP (7%O2)	HRSG11_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
31-07-2022 13:00	10.70	0.30	3.20	5.70	228.60	14.90	1,421,600	24.70	0.60	3.20	530.10
31-07-2022 14:00	10.60	0.30	3.10	5.60	231.50	14.90	1,421,700	24.60	0.60	3.10	537.10
31-07-2022 15:00	10.60	0.30	3.20	5.60	233.10	14.90	1,427,900	24.50	0.70	3.20	541.60
31-07-2022 16:00	10.50	0.20	3.10	5.70	234.00	14.90	1,416,700	24.40	0.40	3.10	542.90
31-07-2022 17:00	10.60	0.20	3.00	5.40	232.30	14.90	1,440,500	24.60	0.40	3.00	536.70
31-07-2022 18:00	10.50	0.20	3.00	5.30	229.50	14.90	1,451,100	24.40	0.40	3.00	528.50
31-07-2022 19:00	11.10	0.20	3.00	5.30	220.60	14.90	1,385,700	25.70	0.40	3.00	510.20
31-07-2022 20:00	11.40	0.20	4.20	7.40	222.60	14.80	1,370,900	26.10	0.40	4.20	511.70
31-07-2022 21:00	11.20	0.20	4.50	7.70	217.30	14.80	1,377,100	25.70	0.40	4.50	498.80
31-07-2022 22:00	11.20	0.20	3.50	6.10	223.00	14.80	1,385,500	25.60	0.40	3.50	511.40
31-07-2022 23:00	11.20	0.20	3.30	5.90	228.70	14.80	1,402,300	25.60	0.40	3.30	522.40
31-07-2022 24:00	11.20	0.20	3.30	5.90	223.70	14.80	1,404,100	25.50	0.40	3.30	509.70
Minimum	10.20	0.10	2.40	4.30	9.90	14.50	1,370,900.00	23.50	0.20	2.40	21.70
Maximum	16.90	0.40	4.50	7.70	275.20	14.90	1,682,900.00	36.90	0.80	4.50	550.80
Avg	11.16	0.25	3.38	5.99	208.67	14.84	1,433,524.21	25.55	0.54	3.38	477.57
SUM											
STD								STD = 70,120,120	STD = 10,30,20	STD = 20,35,60	STD = 690

In this month operate by Fuel Oil

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/07/2022 00:00-31/07/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
03-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
06-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
07-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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08-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
08-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
13-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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15-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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16-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
16-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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17-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
17-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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17-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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18-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
23-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
26-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
27-07-2022 15:00	11.20	0.50	4.00	5.50	104.20	14.70	1,441,900	25.20	1.20	4.00	234.70
27-07-2022 16:00	11.40	0.50	4.20	5.80	100.90	14.70	1,416,200	25.60	1.20	4.20	227.50
27-07-2022 17:00	11.30	0.50	4.10	5.70	102.20	14.70	1,396,700	25.50	1.20	4.10	229.80
27-07-2022 18:00	11.10	0.50	4.00	5.50	105.20	14.70	1,414,900	24.80	1.10	4.00	234.80
27-07-2022 19:00	11.30	0.50	4.20	5.80	99.40	14.60	1,373,000	25.10	1.10	4.20	221.20
27-07-2022 20:00	11.30	0.50	4.00	5.50	96.50	14.60	1,422,100	25.00	1.10	4.00	213.90
27-07-2022 21:00	11.50	0.50	4.30	6.00	96.60	14.60	1,456,900	25.40	1.20	4.30	214.10
27-07-2022 22:00	11.80	0.50	4.00	5.50	96.40	14.70	1,440,600	26.20	1.20	4.00	214.80
27-07-2022 23:00	12.00	0.50	4.20	5.80	93.00	14.70	1,444,000	26.60	1.20	4.20	207.20
27-07-2022 24:00	12.30	0.50	4.20	5.80	83.50	14.60	1,448,100	27.20	1.10	4.20	185.50
28-07-2022 01:00	13.10	0.50	4.00	5.50	73.30	14.60	1,470,100	28.70	1.20	4.00	162.70
28-07-2022 02:00	11.90	0.50	4.30	6.00	97.80	14.60	1,424,200	26.50	1.20	4.30	217.60
28-07-2022 03:00	12.10	0.60	4.10	5.70	93.50	14.60	1,425,700	26.70	1.20	4.10	207.60
28-07-2022 04:00	12.00	0.60	4.00	5.50	97.00	14.60	1,445,100	26.70	1.30	4.00	215.50
28-07-2022 05:00	12.00	0.60	4.20	5.80	95.50	14.60	1,439,200	26.70	1.20	4.20	211.90
28-07-2022 06:00	12.10	0.60	4.30	6.00	90.30	14.60	1,446,400	26.70	1.20	4.30	200.30
28-07-2022 07:00	11.90	0.60	4.00	5.50	98.50	14.60	1,425,100	26.50	1.20	4.00	218.80
28-07-2022 08:00	11.90	0.60	4.30	6.00	96.90	14.60	1,344,600	26.30	1.20	4.30	215.30
28-07-2022 09:00	11.70	0.60	4.10	5.70	97.20	14.60	1,329,400	25.90	1.20	4.10	216.20
28-07-2022 10:00	11.40	0.50	4.00	5.50	102.10	14.70	1,326,600	25.30	1.10	4.00	227.50
28-07-2022 11:00	11.20	0.50	4.30	6.00	107.20	14.70	1,378,000	24.90	1.10	4.30	239.30
28-07-2022 12:00	11.10	0.50	4.90	6.80	107.50	14.70	1,377,900	24.80	1.20	4.90	240.60
28-07-2022 13:00	11.20	0.50	4.30	6.00	104.80	14.70	1,423,100	25.00	1.10	4.30	233.50
28-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
28-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK12
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG12_NOx@7%O2	HRSG12_SOx@7%O2	HRSG12_TSP (7%O2)	HRSG12_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
28-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 01:00	12.40	0.40	4.30	6.00	164.60	14.70	1,337,600	27.70	0.80	4.30	373.70
29-07-2022 02:00	11.50	0.50	4.20	5.80	94.40	14.60	1,372,500	25.30	1.20	4.20	208.20
29-07-2022 03:00	11.50	0.40	4.20	5.80	91.40	14.60	1,428,400	25.30	0.90	4.20	201.30
29-07-2022 04:00	11.60	0.60	4.40	6.20	89.60	14.60	1,431,700	25.50	1.20	4.40	197.50
29-07-2022 05:00	11.70	0.50	4.30	6.00	87.30	14.60	1,431,700	25.80	1.10	4.30	192.40
29-07-2022 06:00	11.80	0.40	4.30	6.00	88.00	14.60	1,439,100	25.90	0.80	4.30	193.90
29-07-2022 07:00	11.80	0.60	4.40	6.10	88.30	14.60	1,402,800	26.10	1.20	4.40	194.70
29-07-2022 08:00	11.80	0.50	4.00	5.50	88.10	14.60	1,362,900	26.00	1.20	4.00	194.20
29-07-2022 09:00	11.50	0.40	4.40	6.20	94.80	14.60

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @ 1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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01-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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03-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @ 1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
03-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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03-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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05-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
05-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
06-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
11-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
11-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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11-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
13-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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14-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
14-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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15-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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15-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
15-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
16-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/07/2022 00:00-31/07/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
21-07-2022 00:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
21-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/07/2022 00:00-31/07/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
23-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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24-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
24-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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25-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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25-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
25-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
26-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/07/2022 00:00-31/07/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK21
Periodically: 01/07/2022 00:00-31/07/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG21_NOx@7%O2	HRSG21_SOx@7%O2	HRSG21_TSP (7%O2)	HRSG21_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
31-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avg	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
SUM											
STD								STD = 70,120,120	STD = 10,30,20	STD = 20,35,60	STD = 690

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/07/2022 00:00-31/07/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
01-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
01-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
02-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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02-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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03-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/07/2022 00:00-31/07/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
03-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
03-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
04-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/07/2022 00:00-31/07/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
08-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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09-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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10-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/07/2022 00:00-31/07/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
11-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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11-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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12-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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12-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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12-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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12-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
12-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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12-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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13-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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13-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
13-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/07/2022 00:00-31/07/2022 23:59

Date & Time	Actual Operation Condition							Emission Concentration for Standardization Comparison			
	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
18-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
18-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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19-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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19-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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19-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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19-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
19-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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20-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
21-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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21-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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22-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
22-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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23-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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23-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
23-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2

Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
28-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
29-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 12:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
30-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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30-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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31-07-2022 01:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 02:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 03:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 04:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 05:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 06:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 07:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 08:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 09:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 10:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 11:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
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Site Name: GULF JP NS
Stack Name: HRSG_STACK22
Periodically: 01/07/2022 00:00-31/07/2022 23:59

	Actual Operation Condition							Emission Concentration for Standardization Comparison			
Date & Time	NOX	SOX	DUST	OPACITY	CO	O2	FLOW @1 ATM 25C	HRSG22_NOx@7%O2	HRSG22_SOx@7%O2	HRSG22_TSP (7%O2)	HRSG22_CO@7%O2
	ppm	ppm	mg/m3	%	ppm	%	m3/hr	ppm	ppm	mg/m3	ppm
31-07-2022 13:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 14:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 15:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 16:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 17:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 18:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 19:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 20:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 21:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 22:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 23:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
31-07-2022 24:00	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown	Reserved Shutdown
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avg	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
SUM											
STD								STD = 70,120,120	STD = 10,30,20	STD = 20,35,60	STD = 690

ภาคผนวก ค-3

การตรวจสอบความถูกต้องของระบบติดตามตรวจสอบคุณภาพอากาศจากปล่องระบายอากาศแบบต่อเนื่อง ประจำปี 2565 (CEMs RATA Audit)

Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 21146494
Date Received : Feb 03, 2022
Date Reported : Feb 14, 2022
Report Number : 2177297-1

Sample Number 21146494-1
Sampled Date Feb 02, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Parameter NOx

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	02 Feb 22	11:10	11:30	16.72	16.46	35.33	34.69	-0.63
2	02 Feb 22	11:31	11:51	16.58	16.34	35.02	34.45	-0.57
3	02 Feb 22	11:52	12:12	16.54	16.26	34.90	34.28	-0.63
4	02 Feb 22	12:13	12:33	16.69	16.49	35.19	34.76	-0.43
5	02 Feb 22	12:34	12:54	16.70	16.37	35.33	34.56	-0.77
6	02 Feb 22	12:55	13:15	17.02	16.36	36.09	34.48	-1.60
7	02 Feb 22	13:16	13:36	17.15	16.37	36.60	34.52	-2.08
8*	02 Feb 22	13:37	13:57	17.29	16.29	37.14	34.47	-2.67
9	02 Feb 22	13:58	14:18	17.43	16.51	37.56	34.97	-2.59
10*	02 Feb 22	14:19	14:39	17.38	16.39	37.57	34.78	-2.80
11*	02 Feb 22	14:40	15:00	17.47	16.46	37.80	34.96	-2.84
12	02 Feb 22	15:01	15:21	17.48	16.58	37.79	35.20	-2.59
	Average					35.98	34.66	-1.32
	Confidence Coefficient (CC)							0.69
	Relative Accuracy (Compared with RM) (%)							5.81
	Relative Accuracy Criteria 1/ (Compared with RM)							≤ 20%

Reference Method : US EPA Method 7E

Remark: * Sample with * is a rejected data

1/ Relative Accuracy Criteria of NOx is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2)

RA Result is within Criteria

Technical Management Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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ALS LABORATORY GROUP (THAILAND) CO., LTD. Part of the ALS Group

Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 21146494
Date Received : Feb 03, 2022
Date Reported : Feb 14, 2022
Report Number : 2177297-1

Sample Number 21146494-1
Sampled Date Feb 02, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Parameter SO2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	02 Feb 22	11:10	11:30	0.32	0.12	0.67	0.25	-0.42
2	02 Feb 22	11:31	11:51	0.33	0.13	0.69	0.28	-0.41
3*	02 Feb 22	11:52	12:12	0.34	0.02	0.71	0.04	-0.68
4*	02 Feb 22	12:13	12:33	0.32	0.03	0.68	0.06	-0.62
5	02 Feb 22	12:34	12:54	0.31	0.02	0.65	0.04	-0.61
6	02 Feb 22	12:55	13:15	0.31	0.03	0.66	0.06	-0.60
7	02 Feb 22	13:16	13:36	0.30	0.02	0.65	0.05	-0.60
8	02 Feb 22	13:37	13:57	0.30	0.03	0.65	0.06	-0.58
9*	02 Feb 22	13:58	14:18	0.31	0.02	0.66	0.03	-0.63
10	02 Feb 22	14:19	14:39	0.27	0.04	0.59	0.08	-0.52
11	02 Feb 22	14:40	15:00	0.30	0.05	0.66	0.10	-0.56
12	02 Feb 22	15:01	15:21	0.31	0.05	0.68	0.11	-0.57
	Average					0.66	0.11	-0.54
	Confidence Coefficient (CC)							0.06
	Relative Accuracy (Compared with Emission Standard : 10 ppm) (%)							6.01
	Relative Accuracy Criteria 1/ (Compared with Emission Standard : 10 ppm)							≤ 10%

Reference Method : US EPA Method 6C

Remark: * Sample with * is a rejected data

1/ Relative Accuracy Criteria of SO2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2) compared with Emission Standard 10 ppm at 7%O2

RA Result is within Criteria

Technical Management Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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ALS LABORATORY GROUP (THAILAND) CO., LTD. Part of the ALS Group

Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 21146494
Date Received : Feb 03, 2022
Date Reported : Feb 14, 2022
Report Number : 2177297-1

Sample Number 21146494-1
Sampled Date Feb 02, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Parameter CO

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	02 Feb 22	11:10	11:30	21.47	21.27	45.35	44.84	-0.51
2	02 Feb 22	11:31	11:51	21.83	20.97	46.10	44.20	-1.90
3	02 Feb 22	11:52	12:12	22.29	21.14	47.05	44.56	-2.50
4	02 Feb 22	12:13	12:33	20.77	19.58	43.79	41.27	-2.52
5	02 Feb 22	12:34	12:54	22.21	20.17	47.00	42.57	-4.43
6	02 Feb 22	12:55	13:15	21.27	19.62	45.09	41.36	-3.73
7	02 Feb 22	13:16	13:36	21.79	19.61	46.51	41.36	-5.15
8	02 Feb 22	13:37	13:57	20.81	18.84	44.70	39.87	-4.83
9*	02 Feb 22	13:58	14:18	20.40	17.75	43.96	37.60	-6.36
10*	02 Feb 22	14:19	14:39	21.10	18.52	45.61	39.29	-6.32
11	02 Feb 22	14:40	15:00	20.78	18.27	44.95	38.82	-6.13
12*	02 Feb 22	15:01	15:21	20.65	17.98	44.66	38.17	-6.49
	Average					45.62	42.09	-3.52
	Confidence Coefficient (CC)							1.38
	Relative Accuracy (Compared with Emission Standard : 690 ppm) (%)							0.71
	Relative Accuracy Criteria 1/ (Compared with Emission Standard :690 ppm)							≤ 5%

Reference Method : US EPA Method 10

Remark: * Sample with * is a rejected data

1/ Relative Accuracy Criteria of CO is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 4 (PS-4) compared with Emission Standard 690 ppm at 7%O2

RA Result is within Criteria

Technical Management Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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ALS LABORATORY GROUP (THAILAND) CO., LTD. Part of the ALS Group

Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 21146494
Date Received : Feb 03, 2022
Date Reported : Feb 14, 2022
Report Number : 2177297-1

Sample Number 21146494-1
Sampled Date Feb 02, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Parameter O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1	02 Feb 22	11:10	11:30	14.32	14.31	-0.01
2	02 Feb 22	11:31	11:51	14.32	14.31	-0.01
3	02 Feb 22	11:52	12:12	14.31	14.31	-0.01
4	02 Feb 22	12:13	12:33	14.31	14.31	0.00
5	02 Feb 22	12:34	12:54	14.33	14.31	-0.02
6	02 Feb 22	12:55	13:15	14.35	14.31	-0.04
7	02 Feb 22	13:16	13:36	14.39	14.31	-0.08
8	02 Feb 22	13:37	13:57	14.43	14.33	-0.10
9	02 Feb 22	13:58	14:18	14.45	14.34	-0.11
10*	02 Feb 22	14:19	14:39	14.47	14.35	-0.12
11*	02 Feb 22	14:40	15:00	14.47	14.36	-0.12
12*	02 Feb 22	15:01	15:21	14.47	14.35	-0.12
	Average			14.36	14.31	-0.04
	Confidence Coefficient (CC)					-
	Relative Accuracy (Compared in Actual) (%)					0.04
	Relative Accuracy Criteria (%)					≤ 1%

Reference Method : US EPA Method 3A

Remark: * Sample with * is a rejected data

1/ Relative Accuracy Criteria of O2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 3 (PS-3)

RA Result is within Criteria

Sampled By : Worawich Tongpoom

Technical Management Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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ALS LABORATORY GROUP (THAILAND) CO., LTD. Part of the ALS Group

Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 21146498
Date Received : Feb 03, 2022
Date Reported : Feb 14, 2022
Report Number : 2177305-1

Sample Number 21146498-1
Sampled Date Feb 03, 2022
Sample Description Emission from Stationary Source
Location HRSG 12
Parameter NOx

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	03 Feb 22	10:10	10:30	17.56	16.57	37.15	34.73	-2.42
2*	03 Feb 22	10:31	10:51	17.65	16.64	37.36	34.88	-2.47
3	03 Feb 22	10:52	11:12	17.47	16.63	37.01	34.81	-2.19
4	03 Feb 22	11:13	11:33	17.64	16.69	37.34	34.97	-2.36
5	03 Feb 22	11:34	11:54	17.69	16.85	37.43	35.30	-2.14
6*	03 Feb 22	11:55	12:15	17.71	16.73	37.60	35.16	-2.44
7*	03 Feb 22	12:16	12:36	17.93	16.89	38.04	35.49	-2.55
8	03 Feb 22	12:37	12:57	17.77	16.93	37.74	35.55	-2.19
9	03 Feb 22	12:58	13:18	17.87	17.15	37.89	35.97	-1.92
10	03 Feb 22	13:19	13:39	18.09	17.48	38.41	36.74	-1.67
11	03 Feb 22	13:40	14:00	18.14	17.53	38.50	36.86	-1.64
12	03 Feb 22	14:01	14:21	18.26	17.69	38.81	37.27	-1.54
	Average					37.81	35.80	-2.01
	Confidence Coefficient (CC)							0.25
	Relative Accuracy (Compared with RM) (%)							6.31
	Relative Accuracy Criteria 1/ (Compared with RM)							≤ 20%

Reference Method : US EPA Method 7E

Remark: * Sample with * is a rejected data

1/ Relative Accuracy Criteria of NOx is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2)

RA Result is within Criteria

Technical Management Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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ALS LABORATORY GROUP (THAILAND) CO., LTD. Part of the ALS Group

Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 21146498
Date Received : Feb 03, 2022
Date Reported : Feb 14, 2022
Report Number : 2177305-1

Sample Number 21146498-1
Sampled Date Feb 03, 2022
Sample Description Emission from Stationary Source
Location HRSG 12
Parameter SO2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	03 Feb 22	10:10	10:30	0.41	0.09	0.86	0.19	-0.67
2	03 Feb 22	10:31	10:51	0.43	0.08	0.91	0.16	-0.75
3*	03 Feb 22	10:52	11:12	0.42	0.05	0.89	0.11	-0.78
4	03 Feb 22	11:13	11:33	0.43	0.07	0.91	0.15	-0.77
5	03 Feb 22	11:34	11:54	0.43	0.08	0.90	0.18	-0.73
6	03 Feb 22	11:55	12:15	0.41	0.05	0.88	0.11	-0.77
7*	03 Feb 22	12:16	12:36	0.40	0.03	0.85	0.07	-0.78
8*	03 Feb 22	12:37	12:57	0.42	0.06	0.90	0.13	-0.77
9	03 Feb 22	12:58	13:18	0.44	0.10	0.93	0.22	-0.71
10	03 Feb 22	13:19	13:39	0.43	0.12	0.92	0.26	-0.66
11	03 Feb 22	13:40	14:00	0.43	0.13	0.91	0.27	-0.64
12	03 Feb 22	14:01	14:21	0.41	0.09	0.88	0.20	-0.68
	Average					0.90	0.19	-0.71
	Confidence Coefficient (CC)							0.04
	Relative Accuracy (Compared with Emission Standard : 10 ppm) (%)							7.44
	Relative Accuracy Criteria 1/ (Compared with Emission Standard : 10 ppm)							≤ 10%

Reference Method : US EPA Method 6C

Remark: * Sample with * is a rejected data

1/ Relative Accuracy Criteria of SO2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2) compared with Emission Standard 10 ppm at 7%O2

RA Result is within Criteria

Technical Management Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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ALS LABORATORY GROUP (THAILAND) CO., LTD. Part of the ALS Group

Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 21146498
Date Received : Feb 03, 2022
Date Reported : Feb 14, 2022
Report Number : 2177305-1

Sample Number	21146498-1
Sampled Date	Feb 03, 2022
Sample Description	Emission from Stationary Source
Location	HRSG 12
Parameter	CO

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	03 Feb 22	10:10	10:30	15.47	18.99	32.73	39.80	7.07
2*	03 Feb 22	10:31	10:51	14.96	18.78	31.65	39.36	7.70
3	03 Feb 22	10:52	11:12	15.32	18.49	32.46	38.70	6.24
4	03 Feb 22	11:13	11:33	14.37	18.05	30.41	37.82	7.41
5	03 Feb 22	11:34	11:54	13.75	17.40	29.10	36.45	7.35
6	03 Feb 22	11:55	12:15	13.86	17.29	29.42	36.33	6.92
7*	03 Feb 22	12:16	12:36	13.19	16.96	27.98	35.65	7.66
8	03 Feb 22	12:37	12:57	13.09	16.41	27.80	34.45	6.65
9*	03 Feb 22	12:58	13:18	12.25	15.93	25.97	33.42	7.45
10	03 Feb 22	13:19	13:39	11.95	15.35	25.39	32.26	6.87
11	03 Feb 22	13:40	14:00	11.49	14.84	24.40	31.19	6.79
12	03 Feb 22	14:01	14:21	11.27	14.66	23.96	30.87	6.91
	Average					28.41	35.32	6.91
	Confidence Coefficient (CC)							0.27
	Relative Accuracy (Compared with Emission Standard : 690 ppm) (%)							1.04
	Relative Accuracy Criteria 1/ (Compared with Emission Standard :690 ppm)							≤ 5%

Reference Method : US EPA Method 10

Remark: * Sample with * is a rejected data

1/ Relative Accuracy Criteria of CO is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 4 (PS-4) compared with Emission Standard 690 ppm at 7%O2

RA Result is within Criteria

Technical Management Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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ALS LABORATORY GROUP (THAILAND) CO., LTD. Part of the ALS Group

Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 21146498
Date Received : Feb 03, 2022
Date Reported : Feb 14, 2022
Report Number : 2177305-1

Sample Number	21146498-1
Sampled Date	Feb 03, 2022
Sample Description	Emission from Stationary Source
Location	HRSG 12
Parameter	O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1	03 Feb 22	10:10	10:30	14.33	14.27	-0.06
2	03 Feb 22	10:31	10:51	14.33	14.27	-0.06
3*	03 Feb 22	10:52	11:12	14.34	14.26	-0.08
4	03 Feb 22	11:13	11:33	14.33	14.27	-0.07
5	03 Feb 22	11:34	11:54	14.33	14.26	-0.07
6	03 Feb 22	11:55	12:15	14.35	14.28	-0.07
7	03 Feb 22	12:16	12:36	14.35	14.28	-0.06
8*	03 Feb 22	12:37	12:57	14.35	14.28	-0.08
9*	03 Feb 22	12:58	13:18	14.34	14.27	-0.07
10	03 Feb 22	13:19	13:39	14.36	14.29	-0.07
11	03 Feb 22	13:40	14:00	14.35	14.29	-0.06
12	03 Feb 22	14:01	14:21	14.36	14.30	-0.06
	Average			14.34	14.28	-0.06
	Confidence Coefficient (CC)					-
	Relative Accuracy (Compared in Actual) (%)					0.06
	Relative Accuracy Criteria (%)					≤ 1%

Reference Method : US EPA Method 3A

Remark: * Sample with * is a rejected data

1/ Relative Accuracy Criteria of O2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 3 (PS-3)

RA Result is within Criteria

Sampled By : Worawich Tongpoom

Technical Management Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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ALS LABORATORY GROUP (THAILAND) CO., LTD. Part of the ALS Group

Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 21146499
Date Received : Mar 18, 2022
Date Reported : Apr 04, 2022
Report Number : 2177302-1

Sample Number 21146499-1
Sampled Date Mar 16, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Parameter NOx

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	16 Mar 22	11:20	11:40	18.26	15.41	35.65	32.79	-2.86
2	16 Mar 22	11:41	12:01	17.73	15.15	34.78	32.29	-2.48
3	16 Mar 22	12:02	12:22	17.97	15.38	35.26	32.70	-2.56
4*	16 Mar 22	12:23	12:43	18.32	15.41	35.89	32.73	-3.16
5	16 Mar 22	12:44	13:04	18.39	15.70	36.10	33.28	-2.81
6	16 Mar 22	13:05	13:25	18.36	15.92	36.06	33.66	-2.40
7	16 Mar 22	13:26	13:46	18.59	15.97	36.52	33.76	-2.76
8	16 Mar 22	13:47	14:07	18.56	15.84	36.53	33.51	-3.02
9*	16 Mar 22	14:08	14:28	18.74	15.98	37.02	33.90	-3.12
10	16 Mar 22	14:29	14:49	19.00	16.23	37.39	34.30	-3.09
11*	16 Mar 22	14:50	15:10	19.09	16.20	37.50	34.24	-3.25
12	16 Mar 22	15:11	15:31	18.94	16.38	37.20	34.52	-2.68
	Average					36.16	33.42	-2.74
	Confidence Coefficient (CC)							0.18
	Relative Accuracy (Compared with Emission Standard : 70 ppm) (%)							4.17
	Relative Accuracy Criteria 1/ (Compared with Emission Standard)							≤ 10%

Reference Method : US EPA Method 7E

Remark: * Sample with * is a rejected data

1/ Relative Accuracy Criteria of NOx is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2) compared with Emission Standard 70 ppm at 7%O2

RA Result is within Criteria

Technical Management Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 21146499
Date Received : Mar 18, 2022
Date Reported : Apr 04, 2022
Report Number : 2177302-1

Sample Number 21146499-1
Sampled Date Mar 16, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Parameter SO2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	16 Mar 22	11:20	11:40	0.00	0.03	0.00	0.07	0.07
2*	16 Mar 22	11:41	12:01	0.00	0.09	0.00	0.19	0.19
3	16 Mar 22	12:02	12:22	0.00	0.03	0.00	0.06	0.06
4	16 Mar 22	12:23	12:43	0.00	0.06	0.00	0.13	0.13
5	16 Mar 22	12:44	13:04	0.00	0.06	0.00	0.12	0.12
6	16 Mar 22	13:05	13:25	0.00	0.03	0.00	0.07	0.07
7*	16 Mar 22	13:26	13:46	0.00	0.08	0.00	0.17	0.17
8	16 Mar 22	13:47	14:07	0.00	0.05	0.00	0.11	0.11
9	16 Mar 22	14:08	14:28	0.00	0.03	0.00	0.07	0.07
10	16 Mar 22	14:29	14:49	0.00	0.05	0.00	0.11	0.11
11*	16 Mar 22	14:50	15:10	0.00	0.07	0.00	0.14	0.14
12	16 Mar 22	15:11	15:31	0.00	0.05	0.00	0.12	0.12
	Average					0.00	0.10	0.10
	Confidence Coefficient (CC)							0.02
	Relative Accuracy (Compared with Emission Standard : 10 ppm) (%)							1.18
	Relative Accuracy Criteria 1/ (Compared with Emission Standard : 10 ppm)							≤ 10%

Reference Method : US EPA Method 6C

Remark: * Sample with * is a rejected data

1/ Relative Accuracy Criteria of SO2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2) compared with Emission Standard 10 ppm at 7%O2

RA Result is within Criteria

Technical Management Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 21146499
Date Received : Mar 18, 2022
Date Reported : Apr 04, 2022
Report Number : 2177302-1

Sample Number	21146499-1
Sampled Date	Mar 16, 2022
Sample Description	Emission from Stationary Source
Location	HRSG 21
Parameter	CO

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1*	16 Mar 22	11:20	11:40	15.78	19.34	30.80	41.13	10.33
2*	16 Mar 22	11:41	12:01	18.37	21.08	36.04	44.93	8.89
3	16 Mar 22	12:02	12:22	17.73	19.61	34.79	41.69	6.90
4*	16 Mar 22	12:23	12:43	15.47	18.53	30.30	39.36	9.06
5	16 Mar 22	12:44	13:04	15.63	16.96	30.67	35.94	5.27
6	16 Mar 22	13:05	13:25	16.00	16.45	31.42	34.77	3.35
7	16 Mar 22	13:26	13:46	13.77	15.00	27.05	31.71	4.65
8	16 Mar 22	13:47	14:07	14.26	14.79	28.07	31.28	3.21
9	16 Mar 22	14:08	14:28	13.53	14.29	26.73	30.31	3.58
10	16 Mar 22	14:29	14:49	12.09	11.98	23.79	25.31	1.52
11	16 Mar 22	14:50	15:10	11.23	12.08	22.07	25.53	3.46
12	16 Mar 22	15:11	15:31	12.62	11.63	24.78	24.52	-0.26
	Average					27.71	31.23	3.52
	Confidence Coefficient (CC)							1.59
	Relative Accuracy (Compared with Emission Standard : 690 ppm) (%)							0.74
	Relative Accuracy Criteria 1/ (Compared with Emission Standard :690 ppm)							≤ 5%

Reference Method : US EPA Method 10

Remark: * Sample with * is a rejected data

1/ Relative Accuracy Criteria of CO is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 4 (PS-4) compared with Emission Standard 690 ppm at 7%O2

RA Result is within Criteria

Technical Management Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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ALS LABORATORY GROUP (THAILAND) CO., LTD. Part of the ALS Group

Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 21146499
Date Received : Mar 18, 2022
Date Reported : Apr 04, 2022
Report Number : 2177302-1

Sample Number	21146499-1
Sampled Date	Mar 16, 2022
Sample Description	Emission from Stationary Source
Location	HRSG 21
Parameter	O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1*	16 Mar 22	11:20	11:40	13.78	14.37	0.59
2*	16 Mar 22	11:41	12:01	13.81	14.38	0.57
3	16 Mar 22	12:02	12:22	13.82	14.36	0.55
4*	16 Mar 22	12:23	12:43	13.81	14.36	0.55
5	16 Mar 22	12:44	13:04	13.82	14.34	0.53
6	16 Mar 22	13:05	13:25	13.82	14.32	0.50
7	16 Mar 22	13:26	13:46	13.82	14.33	0.50
8	16 Mar 22	13:47	14:07	13.84	14.33	0.49
9	16 Mar 22	14:08	14:28	13.86	14.35	0.49
10	16 Mar 22	14:29	14:49	13.84	14.32	0.48
11	16 Mar 22	14:50	15:10	13.83	14.32	0.50
12	16 Mar 22	15:11	15:31	13.82	14.30	0.48
	Average			13.83	14.33	0.50
	Confidence Coefficient (CC)					-
	Relative Accuracy (Compared in Actual) (%)					0.50
	Relative Accuracy Criteria (%)					≤ 1%

Reference Method : US EPA Method 3A

Remark: * Sample with * is a rejected data

1/ Relative Accuracy Criteria of O2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 3 (PS-3)

RA Result is within Criteria

Sampled By : Navaphut Sriviriya

Technical Management Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O :
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 21146500
Date Received : Mar 10, 2022
Date Reported : Mar 22, 2022
Report Number : 2177300-1

Sample Number	21146500-1
Sampled Date	Mar 10, 2022
Sample Description	Emission from Stationary Source
Location	HRSG 22
Parameter	NOx

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1*	10 Mar 22	11:10	11:30	19.63	18.59	39.34	36.26	-3.08
2	10 Mar 22	11:31	11:51	19.79	19.18	39.51	37.46	-2.06
3	10 Mar 22	11:52	12:12	18.78	18.83	38.17	37.09	-1.08
4	10 Mar 22	12:13	12:33	18.26	17.72	38.37	36.18	-2.19
5	10 Mar 22	12:34	12:54	17.84	17.39	37.58	35.63	-1.96
6	10 Mar 22	12:55	13:15	18.27	17.95	38.41	36.67	-1.74
7	10 Mar 22	13:16	13:36	18.28	17.51	38.41	35.86	-2.55
8	10 Mar 22	13:37	13:57	18.17	17.59	38.20	36.02	-2.18
9	10 Mar 22	13:58	14:18	18.18	17.66	38.26	36.19	-2.08
10*	10 Mar 22	14:19	14:39	18.70	17.72	39.18	36.11	-3.06
11	10 Mar 22	14:40	15:00	18.16	18.07	38.16	36.65	-1.51
12*	10 Mar 22	15:01	15:21	18.56	17.49	38.82	35.60	-3.21
	Average					38.34	36.41	-1.93
	Confidence Coefficient (CC)							0.33
	Relative Accuracy (Compared with RM) (%)							6.20
	Relative Accuracy Criteria 1/ (Compared with RM)							≤ 20%

Reference Method : US EPA Method 7E

Remark: * Sample with * is a rejected data

1/ Relative Accuracy Criteria of NOx is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2)

RA Result is within Criteria

Technical Management Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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ALS LABORATORY GROUP (THAILAND) CO., LTD. Part of the ALS Group

Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O :
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 21146500
Date Received : Mar 10, 2022
Date Reported : Mar 22, 2022
Report Number : 2177300-1

Sample Number	21146500-1
Sampled Date	Mar 10, 2022
Sample Description	Emission from Stationary Source
Location	HRSG 22
Parameter	SO2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1*	10 Mar 22	11:10	11:30	0.00	0.14	0.00	0.27	0.27
2	10 Mar 22	11:31	11:51	0.00	0.09	0.00	0.17	0.17
3	10 Mar 22	11:52	12:12	0.00	0.06	0.00	0.11	0.11
4	10 Mar 22	12:13	12:33	0.00	0.05	0.00	0.09	0.09
5	10 Mar 22	12:34	12:54	0.00	0.07	0.00	0.14	0.14
6	10 Mar 22	12:55	13:15	0.00	0.02	0.00	0.04	0.04
7*	10 Mar 22	13:16	13:36	0.00	0.09	0.00	0.18	0.18
8	10 Mar 22	13:37	13:57	0.00	0.09	0.00	0.18	0.18
9	10 Mar 22	13:58	14:18	0.00	0.06	0.00	0.13	0.13
10	10 Mar 22	14:19	14:39	0.00	0.08	0.00	0.16	0.16
11*	10 Mar 22	14:40	15:00	0.00	0.10	0.00	0.20	0.20
12	10 Mar 22	15:01	15:21	0.00	0.09	0.00	0.18	0.18
	Average					0.00	0.13	0.13
	Confidence Coefficient (CC)							0.04
	Relative Accuracy (Compared with Emission Standard : 10 ppm) (%)							1.68
	Relative Accuracy Criteria 1/ (Compared with Emission Standard : 10 ppm)							≤ 10%

Reference Method : US EPA Method 6C

Remark: * Sample with * is a rejected data

1/ Relative Accuracy Criteria of SO2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2) compared with Emission Standard 10 ppm at 7%O2

RA Result is within Criteria

Technical Management Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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ALS LABORATORY GROUP (THAILAND) CO., LTD. Part of the ALS Group

Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O :
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 21146500
Date Received : Mar 10, 2022
Date Reported : Mar 22, 2022
Report Number : 2177300-1

Sample Number	21146500-1
Sampled Date	Mar 10, 2022
Sample Description	Emission from Stationary Source
Location	HRSG 22
Parameter	CO

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	10 Mar 22	11:10	11:30	0.00	0.50	0.00	0.98	0.98
2	10 Mar 22	11:31	11:51	0.00	0.49	0.00	0.95	0.95
3	10 Mar 22	11:52	12:12	1.44	1.37	2.92	2.70	-0.23
4*	10 Mar 22	12:13	12:33	2.13	2.98	4.47	6.08	1.61
5	10 Mar 22	12:34	12:54	2.70	2.97	5.69	6.08	0.39
6	10 Mar 22	12:55	13:15	2.65	2.81	5.58	5.73	0.15
7	10 Mar 22	13:16	13:36	2.51	2.53	5.26	5.18	-0.08
8	10 Mar 22	13:37	13:57	2.61	2.31	5.48	4.74	-0.74
9*	10 Mar 22	13:58	14:18	2.90	2.38	6.11	4.88	-1.23
10	10 Mar 22	14:19	14:39	2.39	2.16	5.00	4.41	-0.60
11*	10 Mar 22	14:40	15:00	3.70	3.03	7.77	6.15	-1.62
12	10 Mar 22	15:01	15:21	2.84	2.67	5.93	5.43	-0.50
	Average					3.99	4.02	0.03
	Confidence Coefficient (CC)							0.49
	Relative Accuracy (Compared with Emission Standard : 690 ppm) (%)							0.08
	Relative Accuracy Criteria 1/ (Compared with Emission Standard :690 ppm)							≤ 5%

Reference Method : US EPA Method 10

Remark: * Sample with * is a rejected data

1/ Relative Accuracy Criteria of CO is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 4 (PS-4) compared with Emission Standard 690 ppm at 7%O2

RA Result is within Criteria

Technical Management Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O :
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 21146500
Date Received : Mar 10, 2022
Date Reported : Mar 22, 2022
Report Number : 2177300-1

Sample Number	21146500-1
Sampled Date	Mar 10, 2022
Sample Description	Emission from Stationary Source
Location	HRSG 22
Parameter	O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1	10 Mar 22	11:10	11:30	13.96	13.77	-0.19
2	10 Mar 22	11:31	11:51	13.94	13.78	-0.16
3*	10 Mar 22	11:52	12:12	14.06	13.84	-0.21
4*	10 Mar 22	12:13	12:33	14.28	14.09	-0.19
5	10 Mar 22	12:34	12:54	14.30	14.12	-0.19
6	10 Mar 22	12:55	13:15	14.29	14.10	-0.19
7	10 Mar 22	13:16	13:36	14.28	14.11	-0.17
8	10 Mar 22	13:37	13:57	14.29	14.11	-0.18
9	10 Mar 22	13:58	14:18	14.30	14.12	-0.18
10	10 Mar 22	14:19	14:39	14.26	14.08	-0.18
11*	10 Mar 22	14:40	15:00	14.29	14.05	-0.24
12	10 Mar 22	15:01	15:21	14.26	14.07	-0.18
	Average			14.21	14.03	-0.18
	Confidence Coefficient (CC)					-
	Relative Accuracy (Compared in Actual) (%)					0.18
	Relative Accuracy Criteria (%)					≤ 1%

Reference Method : US EPA Method 3A

Remark: * Sample with * is a rejected data

1/ Relative Accuracy Criteria of O2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 3 (PS-3)

RA Result is within Criteria

Sampled By : Worawich Tongpoom

Technical Management Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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Analysis / Test Report

TESTING
No 0009

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ayrnuv#4600001478
Project Name Monitoring EIA
Project Location GNS

Lot ID: 21146506
Date Received : Feb 03, 2022
Date Reported : Feb 15, 2022
Report Number : 2177309-1

Sample Number 21146506-3
Sampled Date Feb 02, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 04, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	760	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.8	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	20.4	m/s
Type of Fuel	Diesel		Moisture	9.33	%	Flow Rate (Actual O2)	2185840	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %vol. at 14.2 % O2		Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	11:50 AM - 12:38 PM	mg/m3	-	0.5	<0.5	<0.5	120	35	US EPA, Method 5	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Phuwanat Promman

Remark
LOD Limit of Detection
"<" Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management — Saranya Chaleemthamrong, Scientist (4), หมดอายุเมื่อ 1-204-4-4717
Approved by — Kanokkorn Anek, Senior Manager, หมดอายุเมื่อ 1-204-4-6111

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Analysis / Test Report

TESTING
No 0009

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ayrnuv#4600001478
Project Name Monitoring EIA
Project Location GNS

Lot ID: 21146506
Date Received : Feb 03, 2022
Date Reported : Feb 15, 2022
Report Number : 2177309-1

Sample Number 21146506-2
Sampled Date Feb 02, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 04, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	760	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.8	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	20.3	m/s
Type of Fuel	Diesel		Moisture	9.31	%	Flow Rate (Actual O2)	2174977	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate		Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate *	10:50 AM - 11:38 AM	g/s	-	-	0.46		-	9.50	Calculated	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Phuwanat Promman

Remark
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Technical Management — Saranya Chaleemthamrong, Scientist (4), หมดอายุเมื่อ 1-204-4-4717
Approved by — Kanokkorn Anek, Senior Manager, หมดอายุเมื่อ 1-204-4-6111

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11726-21 EMAA 5 Reports: Air Stack O2 JQ1 qtr 3 DMF58

Analysis / Test Report

TESTING
No 0009

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ayrnuv#4600001478
Project Name Monitoring EIA
Project Location GNS

Lot ID: 21146506
Date Received : Feb 03, 2022
Date Reported : Feb 15, 2022
Report Number : 2177309-1

Sample Number 21146506-2
Sampled Date Feb 02, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 04, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	760	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.8	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	20.3	m/s
Type of Fuel	Diesel		Moisture	9.31	%	Flow Rate (Actual O2)	2174977	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %vol. at 14.1 % O2		Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	10:50 AM - 11:38 AM	mg/m3	-	0.5	1.6	0.8	120	35	US EPA, Method 5	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

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Analysis / Test Report

TESTING
No 0009

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ayrnuv#4600001478
Project Name Monitoring EIA
Project Location GNS

Lot ID: 21146506
Date Received : Feb 03, 2022
Date Reported : Feb 15, 2022
Report Number : 2177309-1

Sample Number 21146506-4
Sampled Date Feb 02, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 04, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	760	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.8	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	20.5	m/s
Type of Fuel	Diesel		Moisture	9.34	%	Flow Rate (Actual O2)	2198819	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate		Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate *	01:00 PM - 01:48 PM	g/s	-	-	<0.31		-	9.50	Calculated	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Phuwanat Promman

Remark
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Analysis / Test Report

TESTING
No 0009

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ayrnuv#4600001478
Project Name Monitoring EIA
Project Location GNS

Lot ID: 21146506
Date Received : Feb 03, 2022
Date Reported : Feb 15, 2022
Report Number : 2177309-1

Sample Number 21146506-3
Sampled Date Feb 02, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 04, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	760	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.8	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	20.5	m/s
Type of Fuel	Diesel		Moisture	9.34	%	Flow Rate (Actual O2)	2198819	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate		Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	01:00 PM - 01:48 PM	mg/m3	-	0.5	<0.5	<0.5	120	35	US EPA, Method 5	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
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Sampled By : Phuwanat Promman

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Project Location GNS

Lot ID: 21146506
Date Received : Feb 03, 2022
Date Reported : Feb 15, 2022
Report Number : 2177309-1

Sample Number 21146506-3
Sampled Date Feb 02, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 04, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	760	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.8	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	20.4	m/s
Type of Fuel	Diesel		Moisture	9.33	%	Flow Rate (Actual O2)	2185840	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %vol. at 14.2 % O2		Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	11:50 AM - 12:38 PM	mg/m3	-	0.5	<0.5	<0.5	120	35	US EPA, Method 5	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
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Sampled By : Phuwanat Promman

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Approved by — Kanokkorn Anek, Senior Manager, หมดอายุเมื่อ 1-204-4-6111

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Analysis / Test Report

TESTING
No 0009

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ayrnuv#4600001478
Project Name Monitoring EIA
Project Location GNS

Lot ID: 21146506
Date Received : Feb 03, 2022
Date Reported : Feb 15, 2022
Report Number : 2177309-1

Sample Number 21146506-4
Sampled Date Feb 02, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 04, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	760	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.8	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	20.4	m/s
Type of Fuel	Diesel		Moisture	9.48	%	Flow Rate (Actual O2)	2187729	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %vol. at 14.2 % O2		Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	03:20 PM - 06:08 PM	mg/m3	-	0.5	<0.5	<0.5	120	35	US EPA, Method 5	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
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Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

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11726-21 EMAA 5 Reports: Air Stack O2 JQ1 qtr 3 DMF58

Analysis / Test Report

TESTING
No 0009

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ayrnuv#4600001478
Project Name Monitoring EIA
Project Location GNS

Lot ID: 21146506
Date Received : Feb 03, 2022
Date Reported : Feb 15, 2022
Report Number : 2177309-1

Sample Number 21146506-5
Sampled Date Feb 02, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 04, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	760	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.8	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	20.4	m/s
Type of Fuel	Diesel		Moisture	9.28	%	Flow Rate (Actual O2)	2187575	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate		Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate *	02:10 PM - 02:58 PM	g/s	-	-	<0.30		-	9.50	Calculated	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
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Sampled By : Phuwanat Promman

Remark
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Technical Management — Saranya Chaleemthamrong, Scientist (4), หมดอายุเมื่อ 1-204-4-4717
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Analysis / Test Report

TESTING
No 0009

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ayrnuv#4600001478
Project Name Monitoring EIA
Project Location GNS

Lot ID: 21146506
Date Received : Feb 03, 2022
Date Reported : Feb 15, 2022
Report Number : 2177309-1

Sample Number 21146506-5
Sampled Date Feb 02, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 04, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	760	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.8	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	20.4	m/s
Type of Fuel	Diesel		Moisture	9.28	%	Flow Rate (Actual O2)	2187575	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %vol. at 14.2 % O2		Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	02:10 PM - 02:58 PM	mg/m3	-	0.5	<0.5	<0.5	120	35	US EPA, Method 5	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
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11726-21 EMAA 5 Reports: Air Stack O2 JQ1 qtr 3 DMF58

Analysis / Test Report

TESTING No 0009

Lot ID: 2222753
Date Received : Feb 24, 2022
Date Reported : Mar 08, 2022
Report Number: 2237074-1

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่4600001478
Project Name Monitoring EIA
Project Location GNS

Sample Number 2222753-2
Sampled Date Feb 23, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 25, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	762	mmHg	Diameter	7.62	m	Oxygen	14.8	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.6	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	21.1	m/s
Type of Fuel	Diesel		Moisture	11.37	%	Flow Rate (Actual O2)	2241113	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	10:50 AM - 11:26 AM	g/s	-	-	<0.31	-	9.50	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Anuvat Moungpor

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หมดอายุวันที่ 1-204-s-4717
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-s-6111

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Analysis / Test Report

TESTING No 0009

Lot ID: 2222753
Date Received : Feb 24, 2022
Date Reported : Mar 08, 2022
Report Number: 2237074-1

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่4600001478
Project Name Monitoring EIA
Project Location GNS

Sample Number 2222753-3
Sampled Date Feb 23, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 25, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	762	mmHg	Diameter	7.62	m	Oxygen	14.8	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.6	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	21.1	m/s
Type of Fuel	Diesel		Moisture	11.37	%	Flow Rate (Actual O2)	2241113	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %vol. at 14.8 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	10:50 AM - 11:26 AM	mg/m3	-	0.5	<0.5	<0.5	120	35	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Saranya Chalermthamrong, Scientist (4), หมดอายุวันที่ 1-204-s-4717
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-s-6111

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Analysis / Test Report

TESTING No 0009

Lot ID: 21146506
Date Received : Feb 03, 2022
Date Reported : Feb 15, 2022
Report Number: 2177301-1

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่4600001478
Project Name Monitoring EIA
Project Location GNS

Sample Number 21146506-6
Sampled Date Feb 02, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 04, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	760	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.8	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	20.4	m/s
Type of Fuel	Diesel		Moisture	9.44	%	Flow Rate (Actual O2)	2187729	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	03:30 PM - 06:00 PM	g/s	-	-	<0.30	-	9.50	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Piyanat Phonmisri

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หมดอายุวันที่ 1-204-s-4717
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-s-6111

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Analysis / Test Report

TESTING No 0009

Lot ID: 2222753
Date Received : Feb 24, 2022
Date Reported : Mar 08, 2022
Report Number: 2237074-1

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่4600001478
Project Name Monitoring EIA
Project Location GNS

Sample Number 2222753-4
Sampled Date Feb 23, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 25, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	762	mmHg	Diameter	7.62	m	Oxygen	14.6	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.8	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	21.1	m/s
Type of Fuel	Diesel		Moisture	11.20	%	Flow Rate (Actual O2)	2225805	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 14.6 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	12:20 PM - 12:56 PM	mg/m3	-	0.5	<0.5	<0.5	120	35	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Saranya Chalermthamrong, Scientist (4), หมดอายุวันที่ 1-204-s-4717
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-s-6111

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Analysis / Test Report

TESTING No 0009

Lot ID: 2222753
Date Received : Feb 24, 2022
Date Reported : Mar 08, 2022
Report Number: 2237074-1

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่4600001478
Project Name Monitoring EIA
Project Location GNS

Sample Number 2222753-3
Sampled Date Feb 23, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 25, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	762	mmHg	Diameter	7.62	m	Oxygen	14.6	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.7	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	20.4	m/s
Type of Fuel	Diesel		Moisture	10.67	%	Flow Rate (Actual O2)	2158425	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	11:38 AM - 12:11 PM	g/s	-	-	<0.30	-	9.50	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Anuvat Moungpor

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หมดอายุวันที่ 1-204-s-4717
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-s-6111

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Analysis / Test Report

TESTING No 0009

Lot ID: 2222753
Date Received : Feb 24, 2022
Date Reported : Mar 08, 2022
Report Number: 2237074-1

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่4600001478
Project Name Monitoring EIA
Project Location GNS

Sample Number 2222753-5
Sampled Date Feb 23, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 25, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	762	mmHg	Diameter	7.62	m	Oxygen	14.6	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.8	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	21.2	m/s
Type of Fuel	Diesel		Moisture	11.53	%	Flow Rate (Actual O2)	2233806	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %vol. at 14.6 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	01:05 PM - 01:41 PM	mg/m3	-	0.5	<0.5	<0.5	120	35	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Saranya Chalermthamrong, Scientist (4), หมดอายุวันที่ 1-204-s-4717
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-s-6111

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Analysis / Test Report

TESTING No 0009

Lot ID: 2222753
Date Received : Feb 24, 2022
Date Reported : Mar 08, 2022
Report Number: 2237074-1

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่4600001478
Project Name Monitoring EIA
Project Location GNS

Sample Number 2222753-6
Sampled Date Feb 23, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 25, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	762	mmHg	Diameter	7.62	m	Oxygen	14.8	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.8	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	21.1	m/s
Type of Fuel	Diesel		Moisture	11.20	%	Flow Rate (Actual O2)	2225895	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	12:20 PM - 12:56 PM	g/s	-	-	<0.31	-	9.50	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Anuvat Moungpor

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หมดอายุวันที่ 1-204-s-4717
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-s-6111

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Analysis / Test Report

TESTING No 0009

Lot ID: 2222753
Date Received : Feb 24, 2022
Date Reported : Mar 08, 2022
Report Number: 2237074-1

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่4600001478
Project Name Monitoring EIA
Project Location GNS

Sample Number 2222753-5
Sampled Date Feb 23, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 25, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	762	mmHg	Diameter	7.62	m	Oxygen	14.6	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.8	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	21.1	m/s
Type of Fuel	Diesel		Moisture	11.53	%	Flow Rate (Actual O2)	2233806	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %vol. at 14.6 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	01:05 PM - 01:41 PM	mg/m3	-	0.5	<0.5	<0.5	120	35	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Saranya Chalermthamrong, Scientist (4), หมดอายุวันที่ 1-204-s-4717
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-s-6111

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Analysis / Test Report

TESTING No 0009

Lot ID: 2222753
Date Received : Feb 24, 2022
Date Reported : Mar 08, 2022
Report Number: 2237074-1

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่4600001478
Project Name Monitoring EIA
Project Location GNS

Sample Number 2222753-4
Sampled Date Feb 23, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 25, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	762	mmHg	Diameter	7.62	m	Oxygen	14.6	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.8	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	21.1	m/s
Type of Fuel	Diesel		Moisture	11.20	%	Flow Rate (Actual O2)	2225895	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	12:20 PM - 12:56 PM	g/s	-	-	<0.31	-	9.50	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Anuvat Moungpor

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หมดอายุวันที่ 1-204-s-4717
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-s-6111

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Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #pyrunyx4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222753
Date Received : Feb 24, 2022
Date Reported : Mar 08, 2022
Report Number: 2237074-1

Sample Number 2222753-7
Sampled Date Feb 23, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 25, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	762	mmHg	Diameter	7.62	m	Oxygen	14.7	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.7	%
Type of Process	Combustion		Stack Temperature	141	°C	Gas Velocity	21.2	m/s
Type of Fuel	Diesel		Moisture	11.38	%	Flow Rate (Actual O2)	2208113	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %v/v, at 14.7 %v/v	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	02:35 PM - 03:11 PM	mg/m3	-	0.5	<0.5	120	35	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Anuwat Hounggan

Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chaleemthamrong, Scientist (4), หมดอายุเมื่อ 1-204-4-4717
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุเมื่อ 1-204-4-6111

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11726-21 EMAA S:\Reports\ Air Stack 02_03\ Air qc\ 3 EPA5

Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #pyrunyx4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222753
Date Received : Feb 24, 2022
Date Reported : Mar 08, 2022
Report Number: 2237074-1

Sample Number 2222753-6
Sampled Date Feb 23, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 25, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	762	mmHg	Diameter	7.62	m	Oxygen	14.6	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.7	%
Type of Process	Combustion		Stack Temperature	141	°C	Gas Velocity	21.2	m/s
Type of Fuel	Diesel		Moisture	11.39	%	Flow Rate (Actual O2)	2230533	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	01:50 PM - 02:26 PM	g/s	-	-	0.36	-	9.50	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Anuwat Hounggan

Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chaleemthamrong, Scientist (4), หมดอายุเมื่อ 1-204-4-4717
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุเมื่อ 1-204-4-6111

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Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #pyrunyx4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222753
Date Received : Feb 24, 2022
Date Reported : Mar 08, 2022
Report Number: 2237074-1

Sample Number 2222753-4
Sampled Date Feb 23, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 25, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	762	mmHg	Diameter	7.62	m	Oxygen	14.6	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.7	%
Type of Process	Combustion		Stack Temperature	141	°C	Gas Velocity	21.2	m/s
Type of Fuel	Diesel		Moisture	11.38	%	Flow Rate (Actual O2)	2230533	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %v/v, at 14.6 %v/v	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	01:50 PM - 02:26 PM	mg/m3	-	0.5	1.3	0.6	120	35	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Saranya Chaleemthamrong, Scientist (4), หมดอายุเมื่อ 1-204-4-4717
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุเมื่อ 1-204-4-6111

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Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #pyrunyx4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222753
Date Received : Feb 24, 2022
Date Reported : Mar 08, 2022
Report Number: 2237074-1

Sample Number 2222753-8
Sampled Date Feb 23, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 25, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	762	mmHg	Diameter	7.62	m	Oxygen	14.4	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.9	%
Type of Process	Combustion		Stack Temperature	141	°C	Gas Velocity	21.4	m/s
Type of Fuel	Diesel		Moisture	11.50	%	Flow Rate (Actual O2)	2237770	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	03:20 PM - 03:56 PM	g/s	-	-	0.43	-	9.50	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Anuwat Hounggan

Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chaleemthamrong, Scientist (4), หมดอายุเมื่อ 1-204-4-4717
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุเมื่อ 1-204-4-6111

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Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #pyrunyx4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222753
Date Received : Feb 24, 2022
Date Reported : Mar 08, 2022
Report Number: 2237074-1

Sample Number 2222753-3
Sampled Date Feb 23, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 25, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	762	mmHg	Diameter	7.62	m	Oxygen	14.4	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.9	%
Type of Process	Combustion		Stack Temperature	141	°C	Gas Velocity	21.4	m/s
Type of Fuel	Diesel		Moisture	11.50	%	Flow Rate (Actual O2)	2237770	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %v/v, at 14.4 %v/v	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	03:20 PM - 03:56 PM	mg/m3	-	0.5	1.5	0.7	120	35	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Anuwat Hounggan

Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chaleemthamrong, Scientist (4), หมดอายุเมื่อ 1-204-4-4717
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุเมื่อ 1-204-4-6111

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Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #pyrunyx4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222753
Date Received : Feb 24, 2022
Date Reported : Mar 08, 2022
Report Number: 2237074-1

Sample Number 2222753-7
Sampled Date Feb 23, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Feb 25, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	762	mmHg	Diameter	7.62	m	Oxygen	14.7	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.7	%
Type of Process	Combustion		Stack Temperature	141	°C	Gas Velocity	21.0	m/s
Type of Fuel	Diesel		Moisture	11.38	%	Flow Rate (Actual O2)	2208113	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	02:35 PM - 03:11 PM	g/s	-	-	<0.31	-	9.50	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Anuwat Hounggan

Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chaleemthamrong, Scientist (4), หมดอายุเมื่อ 1-204-4-4717
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุเมื่อ 1-204-4-6111

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Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #pyrunyx4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number: 2237098-1

Sample Number 2222758-2
Sampled Date Mar 16, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	14.4	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	85.5	°C	Gas Velocity	12.8	m/s
Type of Fuel	Natural Gas		Moisture	8.50	%	Flow Rate (Actual O2)	1585979	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %v/v, at 14.4 %v/v	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	11:20 AM - 12:08 PM	mg/m3	-	0.5	<0.5	<0.5	60	20	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Saranya Chaleemthamrong, Scientist (4), หมดอายุเมื่อ 1-204-4-4717
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุเมื่อ 1-204-4-6111

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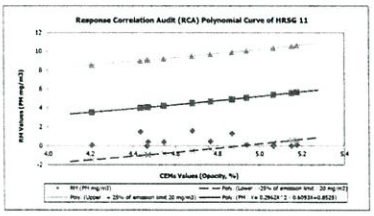
Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #pyrunyx4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222753
Date Received : Feb 24, 2022
Date Reported : Mar 21, 2022
Report Number: 2244434-1

Sample Number 2222753-1
Sampled Date Feb 02, 23, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Parameter Response Correlation Audit



Sampled By : Anuwat Hounggan

Technical Management: Wichan Chownhurat, Manager, หมดอายุเมื่อ 1-204-4-6112
Approved by: Sarayuth Jitaranont, Assistant General Manager, หมดอายุเมื่อ 1-204-4-4702

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #pyrunyx4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222753
Date Received : Feb 24, 2022
Date Reported : Mar 21, 2022
Report Number: 2244434-1

Sample Number 2222753-1
Sampled Date Feb 02, 23, 2022
Sample Description Emission from Stationary Source
Location HRSG 11
Parameter Response Correlation Audit

Response Correlation Audit Test Report

No Sample	Date	Time Start	Time Stop	CEMS Values (%/Opacity)	CEMS Values (mg/m³)	RH Values (mg/m³)	Allowable Range Minimum	Allowable Range Maximum	Criterion
1	2-Feb-22	10:50	11:38	4.68	4.49	1.60	-0.51	9.49	Pass
2	2-Feb-22	11:50	12:38	4.54	4.20	0.41	-0.80	9.20	Pass
3	2-Feb-22	13:05	13:48	4.47	4.05	0.41	-0.95	9.05	Pass
4	2-Feb-22	14:10	14:58	4.47	4.04	0.00	-0.96	9.04	Pass
5	2-Feb-22	15:20	16:08	4.22	3.51	0.08	-1.47	8.53	Pass
6	23-Feb-22	10:50	11:26	5.18	5.64	0.12	0.64	10.64	Fail
7	23-Feb-22	11:35	12:11	5.35	5.58	0.00	0.58	10.58	Fail
8	23-Feb-22	12:20	12:56	5.07	5.37	0.00	0.37	10.37	Fail
9	23-Feb-22	13:05	13:41	4.94	5.07	0.12	0.07	10.07	Pass
10	23-Feb-22	13:50	14:26	4.87	4.91	1.29	-0.09	9.91	Pass
11	23-Feb-22	14:35	15:11	4.77	4.68	0.47	-0.32	9.68	Pass
12	23-Feb-22	15:20	15:56	4.44	3.98	1.48	-1.02	8.98	Pass

Remark: Response Correlation Audit is refer to 40 CFR Part 60 Appendix B : Performance Specification 11 : Specifications and Test Procedures for Particulate Matter Continuous Emission Monitoring Systems at Stationary Source (PS-11)
-Correlation Equation of Polynomial curve Y = 0.2962X² - 0.6093X + 0.8525
-Emission limit 20 mg/m³ from Environmental Impact Assessment Report of Gulf JP NS Co. Ltd.

Technical Management: Wichan Chownhurat, Manager, หมดอายุเมื่อ 1-204-4-6112
Approved by: Sarayuth Jitaranont, Assistant General Manager, หมดอายุเมื่อ 1-204-4-4702

This power results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.
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Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4460001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237098-1

Sample Number 2222758-3
Sampled Date Mar 16, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	85.8	°C	Gas Velocity	12.7	m/s
Type of Fuel	Natural Gas		Moisture	10.01	%	Flow Rate (Actual 02)	1549254	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	12:13 PM - 01:01 PM	g/s	-	-	<0.22	-	5.81	Calculated	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D. dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D. dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Prasert Suraikhan

Remark
LOD : Limit of Detection
"-" : Lower than LOD (Limit of Quantitation) : LOQ (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หน่วยงานที่ 1-204-1-4717
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ 1-204-1-6111

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Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4460001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237098-1

Sample Number 2222758-5
Sampled Date Mar 16, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	84.3	°C	Gas Velocity	12.6	m/s
Type of Fuel	Natural Gas		Moisture	9.35	%	Flow Rate (Actual 02)	1559267	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %vol. at 14.2 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	02:03 PM - 02:31 PM	mg/m3	0.5	<0.5	<0.5	60	20	US EPA, Method 5	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D. dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Saranya Chalermthamrong, Scientist (4), หน่วยงานที่ 1-204-1-4717
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ 1-204-1-6111

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Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4460001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237098-1

Sample Number 2222758-2
Sampled Date Mar 16, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	85.9	°C	Gas Velocity	12.7	m/s
Type of Fuel	Natural Gas		Moisture	10.01	%	Flow Rate (Actual 02)	1549254	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %vol. at 14.2 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	12:13 PM - 01:01 PM	mg/m3	0.5	<0.5	<0.5	60	20	US EPA, Method 5	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D. dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Saranya Chalermthamrong, Scientist (4), หน่วยงานที่ 1-204-1-4717
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ 1-204-1-6111

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Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4460001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237098-1

Sample Number 2222758-1
Sampled Date Mar 16, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	14.4	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	85.2	°C	Gas Velocity	12.4	m/s
Type of Fuel	Natural Gas		Moisture	8.50	%	Flow Rate (Actual 02)	1585979	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	11:20 AM - 12:08 PM	g/s	-	-	<0.22	-	5.81	Calculated	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D. dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
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Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Prasert Suraikhan

Remark
LOD : Limit of Detection
"-" : Lower than LOD (Limit of Quantitation) : LOQ (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หน่วยงานที่ 1-204-1-4717
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ 1-204-1-6111

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Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4460001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237098-1

Sample Number 2222758-4
Sampled Date Mar 16, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	85.1	°C	Gas Velocity	12.2	m/s
Type of Fuel	Natural Gas		Moisture	9.61	%	Flow Rate (Actual 02)	1502463	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	01:08 PM - 01:56 PM	g/s	-	-	<0.21	-	5.81	Calculated	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D. dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D. dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Prasert Suraikhan

Remark
LOD : Limit of Detection
"-" : Lower than LOD (Limit of Quantitation) : LOQ (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หน่วยงานที่ 1-204-1-4717
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ 1-204-1-6111

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Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4460001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237098-1

Sample Number 2222758-3
Sampled Date Mar 16, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	85.8	°C	Gas Velocity	12.7	m/s
Type of Fuel	Natural Gas		Moisture	10.01	%	Flow Rate (Actual 02)	1549254	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	12:13 PM - 01:01 PM	g/s	-	-	<0.22	-	5.81	Calculated	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D. dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
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Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Prasert Suraikhan

Remark
LOD : Limit of Detection
"-" : Lower than LOD (Limit of Quantitation) : LOQ (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หน่วยงานที่ 1-204-1-4717
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ 1-204-1-6111

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Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4460001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237098-1

Sample Number 2222758-6
Sampled Date Mar 16, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	84.3	°C	Gas Velocity	12.6	m/s
Type of Fuel	Natural Gas		Moisture	9.23	%	Flow Rate (Actual 02)	1560559	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	02:58 PM - 03:43 PM	g/s	-	-	<0.22	-	5.81	Calculated	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D. dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
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Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Prasert Suraikhan

Remark
LOD : Limit of Detection
"-" : Lower than LOD (Limit of Quantitation) : LOQ (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หน่วยงานที่ 1-204-1-4717
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ 1-204-1-6111

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Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4460001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237098-1

Sample Number 2222758-6
Sampled Date Mar 16, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	84.3	°C	Gas Velocity	12.6	m/s
Type of Fuel	Natural Gas		Moisture	9.23	%	Flow Rate (Actual 02)	1560559	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %vol. at 14.2 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	02:55 PM - 03:43 PM	mg/m3	0.5	<0.5	<0.5	60	20	US EPA, Method 5	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D. dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Saranya Chalermthamrong, Scientist (4), หน่วยงานที่ 1-204-1-4717
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ 1-204-1-6111

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Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4460001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237098-1

Sample Number 2222758-5
Sampled Date Mar 16, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	84.8	°C	Gas Velocity	12.6	m/s
Type of Fuel	Natural Gas		Moisture	9.35	%	Flow Rate (Actual 02)	1559267	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	02:03 PM - 02:51 PM	g/s	-	-	<0.22	-	5.81	Calculated	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D. dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D. dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Prasert Suraikhan

Remark
LOD : Limit of Detection
"-" : Lower than LOD (Limit of Quantitation) : LOQ (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หน่วยงานที่ 1-204-1-4717
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ 1-204-1-6111

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Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #pyrunyo#4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237096-1

Sample Number 2222758-8
Sampled Date Mar 16, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	13.8	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.1	%
Type of Process	Combustion		Stack Temperature	83.2	°C	Gas Velocity	12.0	m/s
Type of Fuel	Natural Gas		Moisture	10.30	%	Flow Rate (Actual O2)	1663150	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 13.8 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	09:50 AM - 10:38 AM	mg/m3	-	0.5	<0.5	<0.5	60	20	US EPA, Method 5	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D.
dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Suranya C. — Suranya Chaiemthamrong, Scientist (4), หมายเลขลายมือ 1-204-4-4717
Approved by: Kanaksom Anek — Kanaksom Anek, Senior Manager, หมายเลขลายมือ 1-204-4-6111

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Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #pyrunyo#4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237096-1

Sample Number 2222758-7
Sampled Date Mar 16, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	84.7	°C	Gas Velocity	12.6	m/s
Type of Fuel	Natural Gas		Moisture	10.15	%	Flow Rate (Actual O2)	1537721	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 13.8 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	03:47 PM - 04:35 PM	mg/m3	-	0.5	<0.5	<0.5	60	20	US EPA, Method 5	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D.
dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Suranya C. — Suranya Chaiemthamrong, Scientist (4), หมายเลขลายมือ 1-204-4-4717
Approved by: Kanaksom Anek — Kanaksom Anek, Senior Manager, หมายเลขลายมือ 1-204-4-6111

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11726-21 EMAIL 5 Phosphate_Air Stack_Q2_2022 qtr | 5 SPM

Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #pyrunyo#4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237096-1

Sample Number 2222758-7
Sampled Date Mar 16, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	84.7	°C	Gas Velocity	12.6	m/s
Type of Fuel	Natural Gas		Moisture	10.15	%	Flow Rate (Actual O2)	1537721	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 13.8 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	03:47 PM - 04:35 PM	mg/m3	-	0.5	<0.5	<0.5	60	20	US EPA, Method 5	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D.
dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Suranya C. — Suranya Chaiemthamrong, Scientist (4), หมายเลขลายมือ 1-204-4-4717
Approved by: Kanaksom Anek — Kanaksom Anek, Senior Manager, หมายเลขลายมือ 1-204-4-6111

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11726-21 EMAIL 5 Phosphate_Air Stack_Q2_2022 qtr | 5 SPM

Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #pyrunyo#4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237096-1

Sample Number 2222758-9
Sampled Date Mar 17, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	13.8	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.1	%
Type of Process	Combustion		Stack Temperature	83.1	°C	Gas Velocity	13.6	m/s
Type of Fuel	Natural Gas		Moisture	9.94	%	Flow Rate (Actual O2)	1669149	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	10:42 AM - 11:30 AM	g/s	-	-	<0.23	-	5.81	Calculated	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D.
dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
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dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Prasert Surakhan

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) : LOR (Limit of Reporting)
Analytical method * is/are not included in scope of Accreditation DIGITEC 17025

Technical Management: Suranya C. — Suranya Chaiemthamrong, Scientist (4), หมายเลขลายมือ 1-204-4-4717
Approved by: Kanaksom Anek — Kanaksom Anek, Senior Manager, หมายเลขลายมือ 1-204-4-6111

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11726-21 EMAIL 5 Phosphate_Air Stack_Q2_2022 qtr | 5 SPM

Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #pyrunyo#4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237096-1

Sample Number 2222758-10
Sampled Date Mar 17, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	13.9	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	83.0	°C	Gas Velocity	13.6	m/s
Type of Fuel	Natural Gas		Moisture	9.60	%	Flow Rate (Actual O2)	1668060	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	11:33 AM - 12:21 PM	g/s	-	-	<0.23	-	5.81	Calculated	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D.
dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
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Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D.
dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Prasert Surakhan

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) : LOR (Limit of Reporting)
Analytical method * is/are not included in scope of Accreditation DIGITEC 17025

Technical Management: Suranya C. — Suranya Chaiemthamrong, Scientist (4), หมายเลขลายมือ 1-204-4-4717
Approved by: Kanaksom Anek — Kanaksom Anek, Senior Manager, หมายเลขลายมือ 1-204-4-6111

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11726-21 EMAIL 5 Phosphate_Air Stack_Q2_2022 qtr | 5 SPM

Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #pyrunyo#4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237096-1

Sample Number 2222758-10
Sampled Date Mar 17, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	13.9	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	83.0	°C	Gas Velocity	13.6	m/s
Type of Fuel	Natural Gas		Moisture	9.60	%	Flow Rate (Actual O2)	1668060	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 13.8 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	11:33 AM - 12:21 PM	mg/m3	-	0.5	<0.5	<0.5	60	20	US EPA, Method 5	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D.
dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Suranya C. — Suranya Chaiemthamrong, Scientist (4), หมายเลขลายมือ 1-204-4-4717
Approved by: Kanaksom Anek — Kanaksom Anek, Senior Manager, หมายเลขลายมือ 1-204-4-6111

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11726-21 EMAIL 5 Phosphate_Air Stack_Q2_2022 qtr | 5 SPM

Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237098-1

Page 22 of 24

Sample Number 2222758-12
Sampled Date Mar 17, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	13.7	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.1	%
Type of Process	Combustion		Stack Temperature	85.1	°C	Gas Velocity	11.9	m/s
Type of Fuel	Natural Gas		Moisture	8.25	%	Flow Rate (Actual O2)	1735787	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	01:17 PM - 02:05 PM	g/s	-	-	<0.24	-	5.81	Calculated	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
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Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Prasert Surakhan

Remark
LOD : Limit of Detection
"-" : Lower than LOD (Limit of Quantitation) : LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), ทนวิเคราะห์ 1-204-r-4717
Approved by: Kanokkorn Anek, Senior Manager, ทนวิเคราะห์ 1-204-r-6111

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Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237098-1

Page 23 of 24

Sample Number 2222758-12
Sampled Date Mar 17, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	13.7	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.1	%
Type of Process	Combustion		Stack Temperature	85.1	°C	Gas Velocity	11.9	m/s
Type of Fuel	Natural Gas		Moisture	8.25	%	Flow Rate (Actual O2)	1735787	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2 at 13.7 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	01:17 PM - 02:05 PM	mg/m3	-	0.5	<0.5 <0.5	60	20	US EPA, Method 5	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Prasert Surakhan

Remark
LOD : Limit of Detection
"-" : Lower than LOD (Limit of Quantitation) : LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), ทนวิเคราะห์ 1-204-r-4717
Approved by: Kanokkorn Anek, Senior Manager, ทนวิเคราะห์ 1-204-r-6111

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S:\Reports_Air Stack\02_JCG qtr\5 3RPM

Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237098-1

Page 20 of 24

Sample Number 2222758-11
Sampled Date Mar 17, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	13.0	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	86.4	°C	Gas Velocity	11.6	m/s
Type of Fuel	Natural Gas		Moisture	9.29	%	Flow Rate (Actual O2)	1682093	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	12:35 PM - 01:13 PM	g/s	-	-	<0.23	-	5.81	Calculated	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Prasert Surakhan

Remark
LOD : Limit of Detection
"-" : Lower than LOD (Limit of Quantitation) : LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), ทนวิเคราะห์ 1-204-r-4717
Approved by: Kanokkorn Anek, Senior Manager, ทนวิเคราะห์ 1-204-r-6111

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S:\Reports_Air Stack\02_JCG qtr\5 3RPM

Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 28, 2022
Report Number : 2265095-1

Page 1 of 2

Sample Number 2222758-1
Sampled Date Mar 16-17, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Parameter Response Correlation Audit

Response Correlation Audit Test Report

No Sample	Date	Time Start	Time Stop	CEMS Values (%Opacity)	CEMS Values (mg/m³)	RM Values (mg/m³)	Allowable Range Minimum	Allowable Range Maximum	Criterion
1	16-Mar-22	11:20	12:07	1.76	2.21	0.23	-2.79	7.21	Pass
2	16-Mar-22	12:13	13:00	1.71	2.13	0.00	-2.87	7.13	Pass
3	16-Mar-22	13:08	13:55	1.78	2.23	0.11	-2.77	7.23	Pass
4	16-Mar-22	14:03	14:50	1.58	1.94	0.00	-3.06	6.94	Pass
5	16-Mar-22	14:55	15:42	1.44	1.72	0.00	-3.28	6.72	Pass
6	16-Mar-22	15:47	16:34	1.62	2.00	0.35	-3.00	7.00	Pass
7	17-Mar-22	9:50	10:37	1.61	1.99	0.34	-3.01	6.99	Pass
8	17-Mar-22	10:42	11:29	1.51	1.83	0.00	-3.17	6.83	Pass
9	17-Mar-22	11:33	12:20	1.55	1.89	0.22	-3.11	6.89	Pass
10	17-Mar-22	12:25	13:12	1.56	1.90	0.57	-3.10	6.90	Pass
11	17-Mar-22	13:17	14:04	1.80	2.27	0.30	-2.73	7.27	Pass
12	17-Mar-22	14:10	14:57	1.84	2.34	0.10	-2.66	7.34	Pass

Remark: -Response Correlation Audit is refer to 40 CFR Part 60 Appendix B : Performance Specification 11 : Specifications and Test Procedures for Particulate Matter Continuous Emission Monitoring Systems at Stationary Source (PS-11)
Correlation Equation of Linear curve Y = 1.5388X 0.4995
-Emission limit 20 mg/m³ from Environmental Impact Assessment Report of Gulf JP NS Co., Ltd

Technical Management: Wichan Choonharat, Manager, ทนวิเคราะห์ 1-204-r-6113
Approved by: Sarayuth Jittranont, Assistant General Manager, ทนวิเคราะห์ 1-204-r-4702

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11/29/21 EMAS
S:\Reports\Stack 17 Mar 22

Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237098-1

Page 24 of 24

Sample Number 2222758-13
Sampled Date Mar 17, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	13.7	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.1	%
Type of Process	Combustion		Stack Temperature	83.0	°C	Gas Velocity	13.8	m/s
Type of Fuel	Natural Gas		Moisture	6.43	%	Flow Rate (Actual O2)	1732093	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	02:10 PM - 02:58 PM	g/s	-	-	<0.24	-	5.81	Calculated	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Prasert Surakhan

Remark
LOD : Limit of Detection
"-" : Lower than LOD (Limit of Quantitation) : LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), ทนวิเคราะห์ 1-204-r-4717
Approved by: Kanokkorn Anek, Senior Manager, ทนวิเคราะห์ 1-204-r-6111

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11/29/21 EMAS
S:\Reports_Air Stack\02_JCG qtr\5 3RPM

Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 29, 2022
Report Number : 2237098-1

Page 21 of 24

Sample Number 2222758-13
Sampled Date Mar 17, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Date Analysis Commenced Mar 18, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	756	mmHg	Diameter	7.62	m	Oxygen	13.7	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.1	%
Type of Process	Combustion		Stack Temperature	83.0	°C	Gas Velocity	13.8	m/s
Type of Fuel	Natural Gas		Moisture	6.43	%	Flow Rate (Actual O2)	1732093	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2 at 13.7 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	02:10 PM - 02:58 PM	mg/m3	-	0.5	<0.5 <0.5	60	20	US EPA, Method 5	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Prasert Surakhan

Remark
LOD : Limit of Detection
"-" : Lower than LOD (Limit of Quantitation) : LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), ทนวิเคราะห์ 1-204-r-4717
Approved by: Kanokkorn Anek, Senior Manager, ทนวิเคราะห์ 1-204-r-6111

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11/29/21 EMAS
S:\Reports_Air Stack\02_JCG qtr\5 3RPM

Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 28, 2022
Report Number : 2237086-1

Page 1 of 24

Sample Number 2222759-2
Sampled Date Mar 10, 2022
Sample Description Emission from Stationary Source
Location HRSG 22
Date Analysis Commenced Mar 14, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.8	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.2	%
Type of Process	Combustion		Stack Temperature	93.6	°C	Gas Velocity	15.2	m/s
Type of Fuel	Natural Gas		Moisture	9.81	%	Flow Rate (Actual O2)	1824177	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	11:10 AM - 11:54 AM	g/s	-	-	<0.26	-	5.81	Calculated	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
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Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Bancha Nanchiac

Remark
LOD : Limit of Detection
"-" : Lower than LOD (Limit of Quantitation) : LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), ทนวิเคราะห์ 1-204-r-4717
Approved by: Kanokkorn Anek, Senior Manager, ทนวิเคราะห์ 1-204-r-6111

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S:\Reports_Air Stack\02_JCG qtr\4 1RPM

Analysis / Test Report

TESTING No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 28, 2022
Report Number : 2237086-1

Page 1 of 24

Sample Number 2222759-2
Sampled Date Mar 10, 2022
Sample Description Emission from Stationary Source
Location HRSG 22
Date Analysis Commenced Mar 14, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.8	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.2	%
Type of Process	Combustion		Stack Temperature	93.6	°C	Gas Velocity	15.2	m/s
Type of Fuel	Natural Gas		Moisture	9.81	%	Flow Rate (Actual O2)	1824177	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2 at 13.8 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	11:10 AM - 11:54 AM	mg/m3	-	0.5	<0.5 <0.5	60	20	US EPA, Method 5	Bangpoo

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
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Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Saranya Chalermthamrong, Scientist (4), ทนวิเคราะห์ 1-204-r-4717
Approved by: Kanokkorn Anek, Senior Manager, ทนวิเคราะห์ 1-204-r-6111

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S:\Reports_Air Stack\02_JCG qtr\4 1RPM

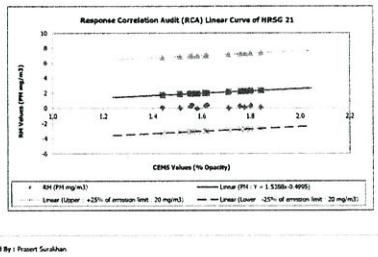
Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222758
Date Received : Mar 18, 2022
Date Reported : Mar 28, 2022
Report Number : 2265095-1

Page 2 of 2

Sample Number 2222758-1
Sampled Date Mar 16-17, 2022
Sample Description Emission from Stationary Source
Location HRSG 21
Parameter Response Correlation Audit



Sampled By : Prasert Surakhan

Technical Management: Wichan Choonharat, Manager, ทนวิเคราะห์ 1-204-r-6113
Approved by: Sarayuth Jittranont, Assistant General Manager, ทนวิเคราะห์ 1-204-r-4702

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S:\Reports\Stack 17 Mar 22

Analysis / Test Report

TESTING
No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #sysnuxx#4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237080-1

Sample Number : 2222759-4
Sampled Date : Mar 10, 2022
Sample Description : Emission from Stationary Source
Location : HRSG 22
Date Analysis Commenced : Mar 14, 2022
Condition of Sample : Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	14.1	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	94.0	°C	Gas Velocity	15.1	m/s
Type of Fuel	Natural Gas		Moisture	9.83	%	Flow Rate (Actual O2)	1811960	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 14.1 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	01:10 PM - 01:58 PM	mg/m3	-	0.5	<0.5	<0.5	60	20	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
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Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Saranya Chalermthamrong, Scientist (4), หมดอายุวันที่ 1-204-s-4717
Approved by: Kanokporn Anek, Senior Manager, หมดอายุวันที่ 1-204-m-6111

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11726-21 EMAA S Wipunit, Air Stack, OT JOB QC # FMPM

Analysis / Test Report

TESTING
No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #sysnuxx#4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237080-1

Sample Number : 2222759-3
Sampled Date : Mar 10, 2022
Sample Description : Emission from Stationary Source
Location : HRSG 22
Date Analysis Commenced : Mar 14, 2022
Condition of Sample : Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.3	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.2	%
Type of Process	Combustion		Stack Temperature	93.4	°C	Gas Velocity	15.2	m/s
Type of Fuel	Natural Gas		Moisture	9.85	%	Flow Rate (Actual O2)	1823196	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	12:00 PM - 12:48 PM	g/s	-	-	<0.25	-	5.81	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
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Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Bancha Namkhed

Remark :
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หมดอายุวันที่ 1-204-s-4717
Approved by: Kanokporn Anek, Senior Manager, หมดอายุวันที่ 1-204-m-6111

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Analysis / Test Report

TESTING
No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #sysnuxx#4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237080-1

Sample Number : 2222759-3
Sampled Date : Mar 10, 2022
Sample Description : Emission from Stationary Source
Location : HRSG 22
Date Analysis Commenced : Mar 14, 2022
Condition of Sample : Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.3	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.2	%
Type of Process	Combustion		Stack Temperature	93.4	°C	Gas Velocity	15.2	m/s
Type of Fuel	Natural Gas		Moisture	9.85	%	Flow Rate (Actual O2)	1823196	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 13.3 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	12:00 PM - 12:48 PM	mg/m3	-	0.5	<0.5	<0.5	60	20	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
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Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Saranya Chalermthamrong, Scientist (4), หมดอายุวันที่ 1-204-s-4717
Approved by: Kanokporn Anek, Senior Manager, หมดอายุวันที่ 1-204-m-6111

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Analysis / Test Report

TESTING
No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #sysnuxx#4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237080-1

Sample Number : 2222759-5
Sampled Date : Mar 10, 2022
Sample Description : Emission from Stationary Source
Location : HRSG 22
Date Analysis Commenced : Mar 14, 2022
Condition of Sample : Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.3	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	93.6	°C	Gas Velocity	15.3	m/s
Type of Fuel	Natural Gas		Moisture	9.99	%	Flow Rate (Actual O2)	1829942	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	02:05 PM - 02:53 PM	g/s	-	-	<0.25	-	5.81	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Bancha Namkhed

Remark :
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หมดอายุวันที่ 1-204-s-4717
Approved by: Kanokporn Anek, Senior Manager, หมดอายุวันที่ 1-204-m-6111

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11726-21 EMAA S Wipunit, Air Stack, OT JOB QC # FMPM

Analysis / Test Report

TESTING
No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #sysnuxx#4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237080-1

Sample Number : 2222759-4
Sampled Date : Mar 10, 2022
Sample Description : Emission from Stationary Source
Location : HRSG 22
Date Analysis Commenced : Mar 14, 2022
Condition of Sample : Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	14.1	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	94.0	°C	Gas Velocity	15.1	m/s
Type of Fuel	Natural Gas		Moisture	9.83	%	Flow Rate (Actual O2)	1811960	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	01:10 PM - 01:58 PM	g/s	-	-	<0.25	-	5.81	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Bancha Namkhed

Remark :
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หมดอายุวันที่ 1-204-s-4717
Approved by: Kanokporn Anek, Senior Manager, หมดอายุวันที่ 1-204-m-6111

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11726-21 EMAA S Wipunit, Air Stack, OT JOB QC # FMPM

Analysis / Test Report

TESTING
No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #sysnuxx#4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237080-1

Sample Number : 2222759-3
Sampled Date : Mar 10, 2022
Sample Description : Emission from Stationary Source
Location : HRSG 22
Date Analysis Commenced : Mar 14, 2022
Condition of Sample : Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.3	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.2	%
Type of Process	Combustion		Stack Temperature	93.4	°C	Gas Velocity	15.2	m/s
Type of Fuel	Natural Gas		Moisture	9.85	%	Flow Rate (Actual O2)	1823196	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 13.3 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	12:00 PM - 12:48 PM	mg/m3	-	0.5	<0.5	<0.5	60	20	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Saranya Chalermthamrong, Scientist (4), หมดอายุวันที่ 1-204-s-4717
Approved by: Kanokporn Anek, Senior Manager, หมดอายุวันที่ 1-204-m-6111

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11726-21 EMAA S Wipunit, Air Stack, OT JOB QC # FMPM

Analysis / Test Report

TESTING
No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #sysnuxx#4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237080-1

Sample Number : 2222759-7
Sampled Date : Mar 10, 2022
Sample Description : Emission from Stationary Source
Location : HRSG 22
Date Analysis Commenced : Mar 14, 2022
Condition of Sample : Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.4	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	93.4	°C	Gas Velocity	15.3	m/s
Type of Fuel	Natural Gas		Moisture	9.87	%	Flow Rate (Actual O2)	1828162	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 13.4 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	03:35 PM - 04:43 PM	mg/m3	-	0.5	<0.5	<0.5	60	20	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
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Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Saranya Chalermthamrong, Scientist (4), หมดอายุวันที่ 1-204-s-4717
Approved by: Kanokporn Anek, Senior Manager, หมดอายุวันที่ 1-204-m-6111

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11726-21 EMAA S Wipunit, Air Stack, OT JOB QC # FMPM

Analysis / Test Report

TESTING
No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #sysnuxx#4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237080-1

Sample Number : 2222759-6
Sampled Date : Mar 10, 2022
Sample Description : Emission from Stationary Source
Location : HRSG 22
Date Analysis Commenced : Mar 14, 2022
Condition of Sample : Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.1	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.2	%
Type of Process	Combustion		Stack Temperature	93.0	°C	Gas Velocity	15.3	m/s
Type of Fuel	Natural Gas		Moisture	9.94	%	Flow Rate (Actual O2)	1828622	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	03:00 PM - 03:48 PM	g/s	-	-	<0.25	-	5.81	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Bancha Namkhed

Remark :
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หมดอายุวันที่ 1-204-s-4717
Approved by: Kanokporn Anek, Senior Manager, หมดอายุวันที่ 1-204-m-6111

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11726-21 EMAA S Wipunit, Air Stack, OT JOB QC # FMPM

Analysis / Test Report

TESTING
No 0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #sysnuxx#4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237080-1

Sample Number : 2222759-6
Sampled Date : Mar 10, 2022
Sample Description : Emission from Stationary Source
Location : HRSG 22
Date Analysis Commenced : Mar 14, 2022
Condition of Sample : Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.1	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.2	%
Type of Process	Combustion		Stack Temperature	93.0	°C	Gas Velocity	15.3	m/s
Type of Fuel	Natural Gas		Moisture	9.94	%	Flow Rate (Actual O2)	1828622	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 13.1 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	03:00 PM - 03:48 PM	mg/m3	-	0.5	<0.5	<0.5	60	20	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Saranya Chalermthamrong, Scientist (4), หมดอายุวันที่ 1-204-s-4717
Approved by: Kanokporn Anek, Senior Manager, หมดอายุวันที่ 1-204-m-6111

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11726-21 EMAA S Wipunit, Air Stack, OT JOB QC # FMPM

Analysis / Test Report

TESTING No 0009

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237080-1

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Sample Number 2222759-8
Sampled Date Mar 11, 2022
Sample Description Emission from Stationary Source
Location HRSG 22
Date Analysis Commenced Mar 14, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.8	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	5.3	%
Type of Process	Combustion		Stack Temperature	95.1	°C	Gas Velocity	15.9	m/s
Type of Fuel	Natural Gas		Moisture	9.33	%	Flow Rate (Actual O2)	1908247	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	10:00 AM - 10:48 AM	g/s	-	-	<0.27	-	5.81	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Bancha Namkhed

Remark
LOD : Limit of Detection
"<" Lower than LOD (Limit of Quantitation) * LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หน่วยงานที่ 1-204-1-4717
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ 1-204-1-6111

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Analysis / Test Report

TESTING No 0009

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237080-1

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Sample Number 2222759-9
Sampled Date Mar 11, 2022
Sample Description Emission from Stationary Source
Location HRSG 22
Date Analysis Commenced Mar 14, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.8	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	5.3	%
Type of Process	Combustion		Stack Temperature	95.1	°C	Gas Velocity	15.9	m/s
Type of Fuel	Natural Gas		Moisture	9.33	%	Flow Rate (Actual O2)	1908247	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %vol, at 13.8 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	10:00 AM - 10:48 AM	mg/m3	0.5	<0.5	<0.5	60	20	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Bancha Namkhed

Remark
LOD : Limit of Detection
"<" Lower than LOD (Limit of Quantitation) * LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หน่วยงานที่ 1-204-1-4717
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ 1-204-1-6111

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Analysis / Test Report

TESTING No 0009

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237080-1

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Sample Number 2222759-7
Sampled Date Mar 10, 2022
Sample Description Emission from Stationary Source
Location HRSG 22
Date Analysis Commenced Mar 14, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.4	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	92.4	°C	Gas Velocity	16.2	m/s
Type of Fuel	Natural Gas		Moisture	9.87	%	Flow Rate (Actual O2)	1826162	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *		g/s	-	-	<0.25	-	5.81	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Bancha Namkhed

Remark
LOD : Limit of Detection
"<" Lower than LOD (Limit of Quantitation) * LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หน่วยงานที่ 1-204-1-4717
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ 1-204-1-6111

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Analysis / Test Report

TESTING No 0009

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237080-1

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Sample Number 2222759-10
Sampled Date Mar 11, 2022
Sample Description Emission from Stationary Source
Location HRSG 22
Date Analysis Commenced Mar 14, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.5	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.2	%
Type of Process	Combustion		Stack Temperature	95.0	°C	Gas Velocity	16.1	m/s
Type of Fuel	Natural Gas		Moisture	9.71	%	Flow Rate (Actual O2)	1920214	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %vol, at 13.5 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	12:00 PM - 12:48 PM	mg/m3	0.5	<0.5	<0.5	60	20	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Bancha Namkhed

Remark
LOD : Limit of Detection
"<" Lower than LOD (Limit of Quantitation) * LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หน่วยงานที่ 1-204-1-4717
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ 1-204-1-6111

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Analysis / Test Report

TESTING No 0009

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237080-1

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Sample Number 2222759-9
Sampled Date Mar 11, 2022
Sample Description Emission from Stationary Source
Location HRSG 22
Date Analysis Commenced Mar 14, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.6	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	5.5	%
Type of Process	Combustion		Stack Temperature	95.2	°C	Gas Velocity	16.0	m/s
Type of Fuel	Natural Gas		Moisture	8.49	%	Flow Rate (Actual O2)	1920608	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %vol, at 13.6 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	11:00 AM - 11:48 AM	g/s	-	-	<0.27	-	5.81	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Bancha Namkhed

Remark
LOD : Limit of Detection
"<" Lower than LOD (Limit of Quantitation) * LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หน่วยงานที่ 1-204-1-4717
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ 1-204-1-6111

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Analysis / Test Report

TESTING No 0009

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237080-1

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Sample Number 2222759-10
Sampled Date Mar 11, 2022
Sample Description Emission from Stationary Source
Location HRSG 22
Date Analysis Commenced Mar 14, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.5	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.2	%
Type of Process	Combustion		Stack Temperature	95.0	°C	Gas Velocity	16.1	m/s
Type of Fuel	Natural Gas		Moisture	9.71	%	Flow Rate (Actual O2)	1920214	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	12:00 PM - 12:48 PM	g/s	-	-	<0.27	-	5.81	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Bancha Namkhed

Remark
LOD : Limit of Detection
"<" Lower than LOD (Limit of Quantitation) * LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หน่วยงานที่ 1-204-1-4717
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ 1-204-1-6111

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Analysis / Test Report

TESTING No 0009

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237080-1

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Sample Number 2222759-11
Sampled Date Mar 11, 2022
Sample Description Emission from Stationary Source
Location HRSG 22
Date Analysis Commenced Mar 14, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.7	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.2	%
Type of Process	Combustion		Stack Temperature	95.5	°C	Gas Velocity	16.0	m/s
Type of Fuel	Natural Gas		Moisture	9.11	%	Flow Rate (Actual O2)	1921139	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %vol, at 13.7 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	01:00 PM - 01:48 PM	mg/m3	0.5	<0.5	<0.5	60	20	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Bancha Namkhed

Remark
LOD : Limit of Detection
"<" Lower than LOD (Limit of Quantitation) * LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หน่วยงานที่ 1-204-1-4717
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ 1-204-1-6111

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Analysis / Test Report

TESTING No 0009

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237080-1

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Sample Number 2222759-11
Sampled Date Mar 11, 2022
Sample Description Emission from Stationary Source
Location HRSG 22
Date Analysis Commenced Mar 14, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.7	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.2	%
Type of Process	Combustion		Stack Temperature	95.5	°C	Gas Velocity	16.0	m/s
Type of Fuel	Natural Gas		Moisture	9.11	%	Flow Rate (Actual O2)	1921139	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %vol, at 13.7 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	01:00 PM - 01:48 PM	mg/m3	0.5	<0.5	<0.5	60	20	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Bancha Namkhed

Remark
LOD : Limit of Detection
"<" Lower than LOD (Limit of Quantitation) * LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หน่วยงานที่ 1-204-1-4717
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ 1-204-1-6111

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Analysis / Test Report

TESTING No 0009

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237080-1

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Sample Number 2222759-7
Sampled Date Mar 10, 2022
Sample Description Emission from Stationary Source
Location HRSG 22
Date Analysis Commenced Mar 14, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.4	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	92.4	°C	Gas Velocity	16.2	m/s
Type of Fuel	Natural Gas		Moisture	9.87	%	Flow Rate (Actual O2)	1826162	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *		g/s	-	-	<0.25	-	5.81	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) "Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Bancha Namkhed

Remark
LOD : Limit of Detection
"<" Lower than LOD (Limit of Quantitation) * LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025

Technical Management: Saranya Chalermthamrong, Scientist (4), หน่วยงานที่ 1-204-1-4717
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ 1-204-1-6111

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Analysis / Test Report

TESTING
No 0009

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4600001478
Project Name Monitoring EIA
Project Location GNS

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237088-1

Sample Number 2222759-13
Sampled Date Mar 11, 2022
Sample Description Emission from Stationary Source
Location HRSG 22
Date Analysis Commenced Mar 14, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.8	%	
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.2	%	
Type of Process	Combustion		Stack Temperature	95.0	°C	Gas Velocity	15.9	m/s	
Type of Fuel	Natural Gas		Moisture	8.80	%	Flow Rate (Actual O2)	1924078	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	at 15.0 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	03:00 PM - 03:48 PM	mg/m3	-	0.5	<0.5	<0.5	60	20	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Saranya Chalermthamrong, Scientist (4), ระพีพรรณย์ ร-204-ร-4717
Approved by: Kanokkorn Anek, Senior Manager, กนกกรณ์ ร-204-ร-6111

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11729-21-EMAC
S-Report-Air Stack 02 2Q qr.4 NPS5

Analysis / Test Report

TESTING
No 0009

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4600001478
Project Name Monitoring EIA
Project Location GNS

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237088-1

Sample Number 2222759-12
Sampled Date Mar 11, 2022
Sample Description Emission from Stationary Source
Location HRSG 22
Date Analysis Commenced Mar 14, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.9	%	
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.0	%	
Type of Process	Combustion		Stack Temperature	95.0	°C	Gas Velocity	16.0	m/s	
Type of Fuel	Natural Gas		Moisture	10.33	%	Flow Rate (Actual O2)	1903986	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	02:00 PM - 02:45 PM	g/s	-	-	<0.26		5.81	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
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Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Bancha Namkhed
Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation (ISO/IEC 17025)

Technical Management: Saranya Chalermthamrong, Scientist (4), ระพีพรรณย์ ร-204-ร-4717
Approved by: Kanokkorn Anek, Senior Manager, กนกกรณ์ ร-204-ร-6111

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11729-21-EMAC
S-Report-Air Stack 02 2Q qr.4 NPS5

Analysis / Test Report

TESTING
No 0009

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4600001478
Project Name Monitoring EIA
Project Location GNS

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237088-1

Sample Number 2222759-11
Sampled Date Mar 11, 2022
Sample Description Emission from Stationary Source
Location HRSG 22
Date Analysis Commenced Mar 14, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.8	%	
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.2	%	
Type of Process	Combustion		Stack Temperature	95.0	°C	Gas Velocity	15.9	m/s	
Type of Fuel	Natural Gas		Moisture	8.80	%	Flow Rate (Actual O2)	1924078	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	at 15.0 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	02:00 PM - 02:48 PM	mg/m3	-	0.5	<0.5	<0.5	60	20	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
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Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management: Saranya Chalermthamrong, Scientist (4), ระพีพรรณย์ ร-204-ร-4717
Approved by: Kanokkorn Anek, Senior Manager, กนกกรณ์ ร-204-ร-6111

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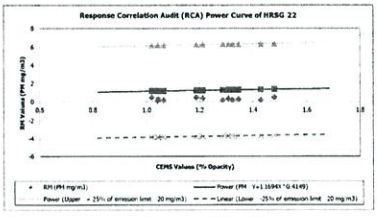
S-Report-Air Stack 02 2Q qr.4 NPS5

Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 24, 2022
Report Number : 2260201-1

Sample Number 2222759-1
Sampled Date Mar 10-11, 2022
Sample Description Emission from Stationary Source
Location HRSG 22
Parameter Response Correlation Audit



Sampled By : Bancha Namkhed

Technical Management: Wichan Choomwarat, Manager, วิชาน ชูมวรรัตน์ ร-204-ร-6113
Approved by: Sarayuth Jittanont, Assistant General Manager, ศรายุทธ จิตตานนท์ ร-204-ร-4702

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11729-21-EMAC
S-Report-Stack 17PM qr

Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 24, 2022
Report Number : 2260201-1

Sample Number 2222759-1
Sampled Date Mar 10-11, 2022
Sample Description Emission from Stationary Source
Location HRSG 22
Parameter Response Correlation Audit

Response Correlation Audit Test Report

No Sample	Date	Time Start	Time Stop	CEMS Values (%Opacity)	CEMS Values (mg/m³)	RM Values (mg/m³)	Allowable Range Minimum	Allowable Range Maximum	Criterion
1	10-Mar-22	11:10	11:58	1.32	1.31	0.19	-3.69	6.31	Pass
2	10-Mar-22	12:00	12:48	1.07	1.20	0.19	3.80	6.20	Pass
3	10-Mar-22	13:10	13:58	1.02	1.18	0.49	-3.82	6.18	Pass
4	10-Mar-22	14:05	14:53	1.04	1.19	0.10	-3.81	6.19	Pass
5	10-Mar-22	15:00	15:48	1.04	1.19	0.30	-3.81	6.19	Pass
6	10-Mar-22	15:55	16:43	1.21	1.27	0.40	-3.73	6.27	Pass
7	11-Mar-22	10:00	10:48	1.35	1.32	0.29	-3.68	6.32	Pass
8	11-Mar-22	11:00	11:48	1.48	1.38	0.40	-3.62	6.38	Pass
9	11-Mar-22	12:00	12:48	1.31	1.31	0.38	-3.69	6.31	Pass
10	11-Mar-22	13:00	13:48	1.19	1.56	0.48	-3.74	6.26	Pass
11	11-Mar-22	14:00	14:48	1.29	1.30	0.20	-3.70	6.30	Pass
12	11-Mar-22	15:00	15:48	1.43	1.36	0.20	-3.64	6.36	Pass

Remark: -Response Correlation Audit is refer to 40 CFR Part 60 Appendix B Performance Specification 11 Specifications and Test Procedures for Particulate Matter Continuous Emission Monitoring Systems at Stationary Source (PS-11)
Correlation Equation of Power curve Y = 1.16945*X-0.4149
#Emission limit 20 mg/m³ from Environmental Impact Assessment Report of Gulf JP NS Co.,Ltd

Technical Management: Wichan Choomwarat, Manager, วิชาน ชูมวรรัตน์ ร-204-ร-6113
Approved by: Sarayuth Jittanont, Assistant General Manager, ศรายุทธ จิตตานนท์ ร-204-ร-4702

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11729-21-EMAC
S-Report-Stack 17PM qr

Analysis / Test Report

TESTING
No 0009

Client Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สั่งซื้อเลขที่ 4600001478
Project Name Monitoring EIA
Project Location GNS

Lot ID: 2222759
Date Received : Mar 11, 2022
Date Reported : Mar 23, 2022
Report Number : 2237088-1

Sample Number 2222759-13
Sampled Date Mar 11, 2022
Sample Description Emission from Stationary Source
Location HRSG 22
Date Analysis Commenced Mar 14, 2022
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	7.62	m	Oxygen	13.8	%	
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.2	%	
Type of Process	Combustion		Stack Temperature	95.0	°C	Gas Velocity	15.9	m/s	
Type of Fuel	Natural Gas		Moisture	8.80	%	Flow Rate (Actual O2)	1924078	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	03:00 PM - 03:48 PM	g/s	-	-	<0.27		5.81	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants. Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Bancha Namkhed
Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analyte(s) marked * is/are not included in scope of Accreditation (ISO/IEC 17025)

Technical Management: Saranya Chalermthamrong, Scientist (4), ระพีพรรณย์ ร-204-ร-4717
Approved by: Kanokkorn Anek, Senior Manager, กนกกรณ์ ร-204-ร-6111

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11729-21-EMAC
S-Report-Air Stack 02 2Q qr.4 NPS5

ภาคผนวก ค-4

คุณภาพอากาศจากปล่องระบายแบบครั้งคราว

Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270883
Date Received :Jul 29, 2022
Date Reported :Aug 04, 2022
Report Number :2338388-1

Sample Number	2270883-1
Sample Description	Emission from Stationary Source
Location	HRSG 11
Sampled Date	Jul 29, 2022

Stack Description

Ambient Temperature	32	°C	Diameter	7.62	m	Oxygen	14.68	%
Ambient Pressure	753	mmHg	Shape	Circle		Carbon dioxide	4.48	%
Type of Process	Combustion		Stack Temperature	138	°C	Gas Velocity	16.43	m/s
Type of Fuel	Diesel		Moisture	9.75	%	Flow Rate	1748358	Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Carbon Monoxide (ppm)		Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O_2	at 7% O_2	at Actual O_2	at 7% O_2	at Actual O_2	at 7% O_2
1	11:41 AM - 12:01 PM	14.62	4.41	153.20	339.34	8.18	18.13	1.40	3.11
2	12:02 PM - 12:22 PM	14.64	4.45	188.08	417.80	8.06	17.90	1.41	3.14
3	12:23 PM - 12:43 PM	14.76	4.57	209.58	474.36	8.77	19.85	1.12	2.55
Average (ppm)		14.68	4.48	183.62	410.50	8.34	18.62	1.31	2.93
Guideline[1](ppm)				-	-	-	120	-	30
Guideline[2](ppm)				-	-	-	120	-	20
Guideline[3](ppm)				-	690	-	-	-	-
Result (mg/Nm³)				210.28	470.10	15.68	35.04	3.44	7.67
Emission Rate at Actual O_2 (g/s)				102.124		7.617		1.669	
Guideline[1](g/s)				-		61.240		21.320	
Method				US EPA Method 10		US EPA Method 7E		US EPA Method 6C	

Sampled By : Apisit Singha
Guideline : [1] Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
[2] Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).
[3] Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Technical Management Wichan Choonharat
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Approved by Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ล-4702

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270891
Date Received : Jul 29, 2022
Date Reported : Aug 05, 2022
Report Number: 2338411-1

Sample Number	2270891-1
Sampled Date	Jul 29, 2022
Sample Description	Emission from Stationary Source
Location	HRSG 11
Date Analysis Commenced	Aug 01, 2022
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	753	mmHg	Diameter	7.62	m	Oxygen	14.7	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.5	%
Type of Process	Combustion		Stack Temperature	138	°C	Gas Velocity	15.7	m/s
Type of Fuel	Diesel		Moisture	9.11	%	Flow Rate (Actual O2)	1683204	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O_2	Result at 14.7 % O_2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	11:30 AM - 12:15 PM	mg/m3	-	0.5	1.1	0.5	120	35	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management Saranya Chalermthanvrong
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Approved by Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ล-6111

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270891
Date Received : Jul 29, 2022
Date Reported : Aug 05, 2022
Report Number: 2338411-1

Sample Number	2270891-1
Sampled Date	Jul 29, 2022
Sample Description	Emission from Stationary Source
Location	HRSG 11
Date Analysis Commenced	Aug 01, 2022
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	753	mmHg	Diameter	7.62	m	Oxygen	14.7	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.5	%
Type of Process	Combustion		Stack Temperature	138	°C	Gas Velocity	15.7	m/s
Type of Fuel	Diesel		Moisture	9.11	%	Flow Rate (Actual O2)	1683204	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	11:30 AM - 12:15 PM	g/s	-	-	0.24	-	9.50	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Apisit Singha

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management Saranya Chalermthanvrong
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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270884
Date Received :Jul 29, 2022
Date Reported :Aug 04, 2022
Report Number :2338385-1

Sample Number	2270884-1
Sample Description	Emission from Stationary Source
Location	HRSG 12
Sampled Date	Jul 29, 2022

Stack Description

Ambient Temperature	32	°C	Diameter	7.62	m	Oxygen	14.45	%
Ambient Pressure	753	mmHg	Shape	Circle		Carbon dioxide	4.58	%
Type of Process	Combustion		Stack Temperature	142	°C	Gas Velocity	16.02	m/s
Type of Fuel	Diesel		Moisture	8.92	%	Flow Rate	1703155	Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Carbon Monoxide (ppm)		Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O_2	at 7% O_2	at Actual O_2	at 7% O_2	at Actual O_2	at 7% O_2
1	02:01 PM - 02:21 PM	14.44	4.60	61.60	132.49	4.05	8.72	1.25	2.69
2	02:22 PM - 02:42 PM	14.47	4.57	79.24	171.27	4.05	8.75	1.23	2.66
3	02:43 PM - 03:03 PM	14.44	4.58	75.35	162.19	4.00	8.61	1.20	2.59
Average (ppm)		14.45	4.58	72.06	155.32	4.03	8.69	1.23	2.64
Guideline[1](ppm)				-	-	-	120	-	30
Guideline[2](ppm)				-	-	-	120	-	20
Guideline[3](ppm)				-	690	-	-	-	-
Result (mg/Nm³)				82.53	177.87	7.59	16.36	3.21	6.92
Emission Rate at Actual O_2 (g/s)				39.044		3.591		1.519	
Guideline[1](g/s)				-		61.240		21.320	
Method				US EPA Method 10		US EPA Method 7E		US EPA Method 6C	

Sampled By : Apisit Singha
Guideline : [1] Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
[2] Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).
[3] Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

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Approved by Sarayuth Jittranont
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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270892
Date Received : Jul 29, 2022
Date Reported : Aug 05, 2022
Report Number: 2338405-1

Sample Number	2270892-1
Sampled Date	Jul 29, 2022
Sample Description	Emission from Stationary Source
Location	HRSG 12
Date Analysis Commenced	Aug 01, 2022
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	753	mmHg	Diameter	7.62	m	Oxygen	14.4	%
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	4.6	%
Type of Process	Combustion		Stack Temperature	142	°C	Gas Velocity	16.0	m/s
Type of Fuel	Diesel		Moisture	8.97	%	Flow Rate (Actual O2)	1700134	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O_2	Result at 14.4 % O_2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	02:00 PM - 02:48 PM	mg/m3	-	0.5	<0.5	<0.5	120	35	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)
ทะเบียนเลขที่ ว-204-จ-4717

Approved by Kanokkorn Anek
Kanokkorn Anek
Senior Manager
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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270892
Date Received : Jul 29, 2022
Date Reported : Aug 05, 2022
Report Number: 2338405-1

Sample Number	2270892-1
Sampled Date	Jul 29, 2022
Sample Description	Emission from Stationary Source
Location	HRSG 12
Date Analysis Commenced	Aug 01, 2022
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	753	mmHg	Diameter	7.62	m	Oxygen	14.4	%
Ambient Temperature	33.0	°C	Shape	Circle		Carbon Dioxide	4.6	%
Type of Process	Combustion		Stack Temperature	142	°C	Gas Velocity	16.0	m/s
Type of Fuel	Diesel		Moisture	8.97	%	Flow Rate (Actual O2)	1700134	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	02:00 PM - 02:48 PM	g/s	-	-	<0.24	-	9.50	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Atsawared Jorsaw

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management Saranya C.
Saranya Chalermthamrong
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Approved by Kanokkorn Anek
Kanokkorn Anek
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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270885
Date Received :Oct 07, 2022
Date Reported :Jan 17, 2023
Report Number :2338382-1 Rev. No.1

Sample Number	2270885-1
Sample Description	Emission from Stationary Source
Location	HRSG 21
Sampled Date	Oct 07, 2022

Stack Description

Ambient Temperature	32	°C	Diameter	7.62	m	Oxygen	14.14	%
Ambient Pressure	759	mmHg	Shape	Circle		Carbon dioxide	4.65	%
Type of Process	Combustion		Stack Temperature	141	°C	Gas Velocity	20.21	m/s
Type of Fuel	Diesel		Moisture	10.04	%	Flow Rate	2143502	Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Carbon Monoxide (ppm) at Actual O_2	Carbon Monoxide (ppm) at 7% O_2	Oxides of Nitrogen (ppm) at Actual O_2	Oxides of Nitrogen (ppm) at 7% O_2	Sulfur Dioxide (ppm) at Actual O_2	Sulfur Dioxide (ppm) at 7% O_2
1	11:35 AM - 11:55 AM	13.96	4.76	9.55	19.12	14.13	28.29	0.06	0.13
2	11:56 AM - 12:16 PM	14.16	4.62	51.99	107.24	10.69	22.06	0.05	0.11
3	12:17 PM - 12:37 PM	14.31	4.57	86.89	183.19	8.29	17.47	0.06	0.12
Average (ppm)		14.14	4.65	49.48	103.19	11.04	22.61	0.06	0.12
Guideline[U](ppm)				-	-	-	120	-	30
Guideline[V](ppm)				-	-	-	120	-	20
Guideline[W](ppm)				-	690	-	-	-	-
Result (mg/Nm³)				56.66	118.17	20.77	42.53	0.15	0.31
Emission Rate at Actual O_2 (g/s)				33.737		12.365		0.091	
Guideline[U](g/s)				-		61.240		21.320	
Method				US EPA Method 10		US EPA Method 7E		US EPA Method 6C	

Sampled By : Navaphut Sriviriya
Guideline : [U] Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
[V]Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).
[W]Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Note : This Analysis test report is reissued to supersede report No. 2338382-1, Date Reported : Oct 18, 2022 due to revise analytical information.

Technical Management Wichan Choonharat
Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ก-6113

Approved by Sarayuth Jittranont
Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270893
Date Received : Oct 07, 2022
Date Reported : Jan 19, 2023
Report Number: 2546453-1

Sample Number	2270893-1
Sampled Date	Oct 07, 2022
Sample Description	Emission from Stationary Source
Location	HRSG 21
Date Analysis Commenced	Oct 08, 2022
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	759	mmHg	Diameter	7.62	m	Oxygen	14.1	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.6	%
Type of Process	Combustion		Stack Temperature	141	°C	Gas Velocity	20.2	m/s
Type of Fuel	Diesel		Moisture	10.08	%	Flow Rate (Actual O2)	2140291	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O_2	Result at 14.1 % O_2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	11:35 AM - 12:23 PM	mg/m3	-	0.5	<0.5	<0.5	120	35	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)
ทะเบียนเลขที่ ว-204-จ-4717

Approved by Kanokkorn Anek
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ก-6111

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270893
Date Received : Oct 07, 2022
Date Reported : Jan 19, 2023
Report Number: 2546453-1

Sample Number	2270893-1
Sampled Date	Oct 07, 2022
Sample Description	Emission from Stationary Source
Location	HRSG 21
Date Analysis Commenced	Oct 08, 2022
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	759	mmHg	Diameter	7.62	m	Oxygen	14.1	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.6	%
Type of Process	Combustion		Stack Temperature	141	°C	Gas Velocity	20.2	m/s
Type of Fuel	Diesel		Moisture	10.08	%	Flow Rate (Actual O2)	2140291	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	11:35 AM - 12:23 PM	g/s	-	-	<0.30	-	9.50	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Note:
This Analysis test report is reissued to supersede report No. 2338403-1Date Reported : Dec 17,2022 due to revise sample information

Sampled By : Anantachai Wesom

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)
ทะเบียนเลขที่ ว-204-ง-4717

Approved by Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ก-6111

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270886
Date Received :Oct 26, 2022
Date Reported :Oct 31, 2022
Report Number :2338380-1

Sample Number	2270886-1
Sample Description	Emission from Stationary Source
Location	HRSG 22
Sampled Date	Oct 26, 2022

Stack Description

Ambient Temperature	31	°C	Diameter	7.62	m	Oxygen	14.16	%
Ambient Pressure	758	mmHg	Shape	Circle		Carbon dioxide	4.65	%
Type of Process	Combustion		Stack Temperature	147	°C	Gas Velocity	22.25	m/s
Type of Fuel	Diesel		Moisture	8.51	%	Flow Rate	2359694	Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Carbon Monoxide (ppm)		Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O_2	at 7% O_2	at Actual O_2	at 7% O_2	at Actual O_2	at 7% O_2
1	11:10 AM - 11:30 AM	14.06	4.69	7.93	16.10	15.19	30.84	0.36	0.72
2	11:31 AM - 11:51 AM	14.18	4.64	8.06	16.66	14.66	30.32	0.35	0.73
3	11:52 AM - 12:12 PM	14.25	4.63	7.66	16.01	14.70	30.74	0.35	0.74
Average (ppm)		14.16	4.65	7.88	16.26	14.85	30.64	0.35	0.73
Guideline[1](ppm)				-	-	-	120	-	30
Guideline[2](ppm)				-	-	-	120	-	20
Guideline[3](ppm)				-	690	-	-	-	-
Result (mg/Nm^3)				9.02	18.62	27.94	57.64	0.93	1.91
Emission Rate at Actual O_2 (g/s)				5.914		18.314		0.608	
Guideline[1](g/s)				-		61.240		21.320	
Method				US EPA Method 10		US EPA Method 7E		US EPA Method 6C	

Sampled By : Navaphut Sriviriya
Guideline : [1] Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.
[2] Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).
[3] Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Technical Management Wichan Choonharat
Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-6113

Approved by Sarayuth Jittranont
Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-4702

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270895
Date Received : Oct 26, 2022
Date Reported : Nov 02, 2022
Report Number: 2338395-1

Sample Number	2270895-1
Sampled Date	Oct 26, 2022
Sample Description	Emission from Stationary Source
Location	HRSG 22 Fuel oil
Date Analysis Commenced	Oct 27, 2022
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	758	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	4.6	%
Type of Process	Combustion		Stack Temperature	147	°C	Gas Velocity	22.2	m/s
Type of Fuel	Diesel		Moisture	8.58	%	Flow Rate (Actual O2)	2356928	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O_2	Result at 14.2 % O_2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	11:10 AM - 11:46 AM	mg/m3	-	0.5	<0.5	<0.5	120	35	US EPA, Method 5	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)
ทะเบียนเลขที่ ว-204-ง-4717

Approved by Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ก-6111

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270895
Date Received : Oct 26, 2022
Date Reported : Nov 02, 2022
Report Number: 2338395-1

Sample Number	2270895-1
Sampled Date	Oct 26, 2022
Sample Description	Emission from Stationary Source
Location	HRSG 22 Fuel oil
Date Analysis Commenced	Oct 27, 2022
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	758	mmHg	Diameter	7.62	m	Oxygen	14.2	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	4.6	%
Type of Process	Combustion		Stack Temperature	147	°C	Gas Velocity	22.2	m/s
Type of Fuel	Diesel		Moisture	8.58	%	Flow Rate (Actual O2)	2356928	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	11:10 AM - 11:46 AM	g/s	-	-	<0.33	-	9.50	Calculated	Bangkok

Guideline :
Guideline (1) Notification of the Ministry of Natural Resources and Environment, 2010 (B.E. 2553) on Emission Standard from New Power Plants.
Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP NS Co., Ltd.

Sampled By : Thanong Wiriyasahakij

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)
ทะเบียนเลขที่ ว-204-ง-4717

Approved by Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ก-6111

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ภาคผนวก ค-5

ระดับเสียงโดยทั่วไป

Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408878-1

Sample Number	2270880-1
Parameter	Noise (Leq 24 hrs.)
Location	บ้านธรรมสันธุ์โสดา (GPS 47P 690535, 1597158)
Measurement Date	Aug 03 - Aug 04, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 858527

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	57.1	78.7	46.1
11:00 AM - 12:00 PM	55.7	76.2	45.0
12:00 PM - 01:00 PM	56.3	76.2	45.9
01:00 PM - 02:00 PM	53.1	69.5	44.1
02:00 PM - 03:00 PM	55.8	71.7	45.0
03:00 PM - 04:00 PM	61.7	75.3	47.7
04:00 PM - 05:00 PM	56.0	79.4	46.5
05:00 PM - 06:00 PM	58.6	78.2	49.7
06:00 PM - 07:00 PM	57.6	77.9	48.9
07:00 PM - 08:00 PM	54.1	72.5	48.0
08:00 PM - 09:00 PM	56.0	75.9	51.0
09:00 PM - 10:00 PM	55.2	75.6	52.5
10:00 PM - 11:00 PM	53.2	70.7	49.8
11:00 PM - 12:00 AM	54.1	76.1	47.5
12:00 AM - 01:00 AM	51.0	75.2	45.3
01:00 AM - 02:00 AM	49.0	70.5	45.1
02:00 AM - 03:00 AM	49.9	72.1	44.7
03:00 AM - 04:00 AM	55.1	75.1	44.0
04:00 AM - 05:00 AM	60.7	84.7	44.4
05:00 AM - 06:00 AM	54.3	79.5	41.3
06:00 AM - 07:00 AM	57.4	75.2	48.8
07:00 AM - 08:00 AM	57.0	75.0	48.6
08:00 AM - 09:00 AM	55.5	76.7	45.8
09:00 AM - 10:00 AM	54.7	76.1	43.9
Leq Average 24 hrs. (dB(A))	56.3		
Lmax (dB(A))		84.7	
L90 (dB(A))			45.9
Ldn (dB(A))	62.0		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการบดกาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C. — Saranya Chalermthamrong, Scientist (4)
Approved by Supot S. — Supot Salamteh, Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408879-1

Sample Number	2270880-2
Parameter	Noise (Leq 24 hrs.)
Location	บ้านธรรมสันธุ์โสดา (GPS 47P 690535, 1597158)
Measurement Date	Aug 04 - Aug 05, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 858527

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	54.7	73.3	43.9
11:00 AM - 12:00 PM	56.8	79.1	42.1
12:00 PM - 01:00 PM	53.3	70.0	44.0
01:00 PM - 02:00 PM	55.5	77.7	44.3
02:00 PM - 03:00 PM	53.8	74.2	42.7
03:00 PM - 04:00 PM	53.9	73.3	43.6
04:00 PM - 05:00 PM	68.8	89.5	44.9
05:00 PM - 06:00 PM	67.7	88.4	43.8
06:00 PM - 07:00 PM	65.0	78.4	51.0
07:00 PM - 08:00 PM	54.7	70.2	49.7
08:00 PM - 09:00 PM	58.5	81.4	56.1
09:00 PM - 10:00 PM	55.5	74.4	51.7
10:00 PM - 11:00 PM	52.5	70.9	48.2
11:00 PM - 12:00 AM	51.9	74.4	47.4
12:00 AM - 01:00 AM	52.3	72.1	47.6
01:00 AM - 02:00 AM	49.7	68.8	46.9
02:00 AM - 03:00 AM	51.3	71.6	46.1
03:00 AM - 04:00 AM	59.4	76.4	47.7
04:00 AM - 05:00 AM	60.1	82.4	44.9
05:00 AM - 06:00 AM	56.0	84.3	44.3
06:00 AM - 07:00 AM	63.1	88.5	53.2
07:00 AM - 08:00 AM	66.3	103.0	49.9
08:00 AM - 09:00 AM	63.6	88.0	51.0
09:00 AM - 10:00 AM	63.0	100.8	46.5
Leq Average 24 hrs. (dB(A))	61.4		
Lmax (dB(A))		103.0	
L90 (dB(A))			46.5
Ldn (dB(A))	65.2		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการบดกาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C. — Saranya Chalermthamrong, Scientist (4)
Approved by Supot S. — Supot Salamteh, Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408880-1

Sample Number	2270880-3
Parameter	Noise (Leq 24 hrs.)
Location	บ้านธรรมสันธุ์โสดา (GPS 47P 690535, 1597158)
Measurement Date	Aug 05 - Aug 06, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 858527

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	55.3	76.7	45.8
11:00 AM - 12:00 PM	57.7	79.5	44.1
12:00 PM - 01:00 PM	53.9	74.7	42.2
01:00 PM - 02:00 PM	53.8	73.6	42.7
02:00 PM - 03:00 PM	54.6	76.3	43.6
03:00 PM - 04:00 PM	54.7	76.1	43.6
04:00 PM - 05:00 PM	56.0	77.8	45.3
05:00 PM - 06:00 PM	57.6	73.9	50.8
06:00 PM - 07:00 PM	58.3	76.2	48.7
07:00 PM - 08:00 PM	54.1	76.9	47.9
08:00 PM - 09:00 PM	53.2	75.5	47.7
09:00 PM - 10:00 PM	57.3	82.3	47.1
10:00 PM - 11:00 PM	53.3	75.8	46.7
11:00 PM - 12:00 AM	53.5	74.7	46.9
12:00 AM - 01:00 AM	52.9	76.3	47.1
01:00 AM - 02:00 AM	52.5	80.2	47.3
02:00 AM - 03:00 AM	51.1	77.4	48.8
03:00 AM - 04:00 AM	54.2	77.1	48.2
04:00 AM - 05:00 AM	58.5	84.9	43.6
05:00 AM - 06:00 AM	56.4	79.7	43.0
06:00 AM - 07:00 AM	58.1	81.1	49.1
07:00 AM - 08:00 AM	56.9	76.1	48.2
08:00 AM - 09:00 AM	56.8	76.3	47.9
09:00 AM - 10:00 AM	56.6	81.0	46.2
Leq Average 24 hrs. (dB(A))	55.8		
Lmax (dB(A))		84.9	
L90 (dB(A))			46.9
Ldn (dB(A))	61.8		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการบดกาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C. — Saranya Chalermthamrong, Scientist (4)
Approved by Supot S. — Supot Salamteh, Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408881-1

Sample Number	2270880-4
Parameter	Noise (Leq 24 hrs.)
Location	บ้านธรรมสันธุ์โสดา (GPS 47P 690535, 1597158)
Measurement Date	Aug 06 - Aug 07, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 858527

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.2	77.0	45.5
11:00 AM - 12:00 PM	54.9	72.0	44.6
12:00 PM - 01:00 PM	54.2	73.3	43.9
01:00 PM - 02:00 PM	54.3	75.1	43.1
02:00 PM - 03:00 PM	56.4	76.2	43.7
03:00 PM - 04:00 PM	57.6	75.5	48.5
04:00 PM - 05:00 PM	57.0	83.0	47.8
05:00 PM - 06:00 PM	60.9	78.4	50.1
06:00 PM - 07:00 PM	54.0	73.2	44.6
07:00 PM - 08:00 PM	66.3	93.0	49.3
08:00 PM - 09:00 PM	59.6	86.4	53.6
09:00 PM - 10:00 PM	58.1	74.2	54.5
10:00 PM - 11:00 PM	60.7	69.7	57.8
11:00 PM - 12:00 AM	63.3	71.4	53.4
12:00 AM - 01:00 AM	61.9	71.0	46.7
01:00 AM - 02:00 AM	55.8	83.3	48.3
02:00 AM - 03:00 AM	60.5	81.8	47.6
03:00 AM - 04:00 AM	69.5	79.0	58.2
04:00 AM - 05:00 AM	69.3	78.8	58.0
05:00 AM - 06:00 AM	59.8	77.4	47.2
06:00 AM - 07:00 AM	56.1	80.6	47.7
07:00 AM - 08:00 AM	58.9	83.1	48.3
08:00 AM - 09:00 AM	56.7	81.3	47.6
09:00 AM - 10:00 AM	56.4	82.4	47.3
Leq Average 24 hrs. (dB(A))	61.9		
Lmax (dB(A))		93.0	
L90 (dB(A))			47.7
Ldn (dB(A))	70.4		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการบดกาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C. — Saranya Chalermthamrong, Scientist (4)
Approved by Supot S. — Supot Salamteh, Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408882-1

Sample Number	2270880-5
Parameter	Noise (Leq 24 hrs.)
Location	บ้านธรรมสันติ์โสภา (GPS 47P 690535, 1597158)
Measurement Date	Aug 07 - Aug 08, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 858527

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.0	74.1	47.1
11:00 AM - 12:00 PM	57.4	80.4	47.4
12:00 PM - 01:00 PM	54.5	73.7	45.7
01:00 PM - 02:00 PM	53.9	72.0	43.1
02:00 PM - 03:00 PM	54.3	71.5	44.4
03:00 PM - 04:00 PM	55.0	75.7	43.4
04:00 PM - 05:00 PM	56.5	77.0	44.5
05:00 PM - 06:00 PM	54.4	72.9	44.8
06:00 PM - 07:00 PM	58.7	80.4	46.0
07:00 PM - 08:00 PM	51.9	70.7	47.2
08:00 PM - 09:00 PM	52.4	74.0	47.1
09:00 PM - 10:00 PM	52.7	77.5	48.4
10:00 PM - 11:00 PM	51.9	73.4	46.3
11:00 PM - 12:00 AM	50.5	75.2	45.4
12:00 AM - 01:00 AM	55.6	78.4	45.5
01:00 AM - 02:00 AM	60.8	68.9	60.3
02:00 AM - 03:00 AM	60.3	69.7	47.1
03:00 AM - 04:00 AM	53.3	76.8	45.4
04:00 AM - 05:00 AM	57.0	83.0	43.5
05:00 AM - 06:00 AM	55.4	84.4	42.6
06:00 AM - 07:00 AM	58.1	83.0	47.9
07:00 AM - 08:00 AM	56.8	71.9	48.9
08:00 AM - 09:00 AM	56.5	80.5	49.4
09:00 AM - 10:00 AM	55.1	72.4	47.7
Leq Average 24 hrs. (dB(A))	56.2		
Lmax (dB(A))		84.4	
L90 (dB(A))			46.0
Ldn (dB(A))	63.3		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supt S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408883-1

Sample Number	2270880-6
Parameter	Noise (Leq 24 hrs.)
Location	บ้านหนองทางบุญ (GPS 47P 690726, 1597627)
Measurement Date	Aug 03 - Aug 04, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 858520

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.5	86.9	40.6
11:00 AM - 12:00 PM	47.4	69.3	39.5
12:00 PM - 01:00 PM	50.7	69.8	40.1
01:00 PM - 02:00 PM	56.8	72.3	44.8
02:00 PM - 03:00 PM	50.3	76.1	43.4
03:00 PM - 04:00 PM	48.8	67.4	43.9
04:00 PM - 05:00 PM	51.4	70.2	45.8
05:00 PM - 06:00 PM	53.7	74.5	49.1
06:00 PM - 07:00 PM	53.4	64.2	51.4
07:00 PM - 08:00 PM	52.4	56.8	51.3
08:00 PM - 09:00 PM	51.8	62.8	50.1
09:00 PM - 10:00 PM	52.7	65.8	49.8
10:00 PM - 11:00 PM	54.8	63.3	49.7
11:00 PM - 12:00 AM	51.1	62.9	48.0
12:00 AM - 01:00 AM	49.7	60.3	46.7
01:00 AM - 02:00 AM	48.9	62.4	46.5
02:00 AM - 03:00 AM	50.8	69.3	46.2
03:00 AM - 04:00 AM	52.0	65.9	48.5
04:00 AM - 05:00 AM	55.5	71.5	51.8
05:00 AM - 06:00 AM	52.8	71.1	48.8
06:00 AM - 07:00 AM	50.1	71.0	44.8
07:00 AM - 08:00 AM	50.1	74.9	41.4
08:00 AM - 09:00 AM	48.4	70.1	42.3
09:00 AM - 10:00 AM	47.0	67.2	39.7
Leq Average 24 hrs. (dB(A))	52.0		
Lmax (dB(A))		86.9	
L90 (dB(A))			46.2
Ldn (dB(A))	58.6		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supt S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408884-1

Sample Number	2270880-7
Parameter	Noise (Leq 24 hrs.)
Location	บ้านหนองทางบุญ (GPS 47P 690726, 1597627)
Measurement Date	Aug 04 - Aug 05, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 858520

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.8	77.9	40.9
11:00 AM - 12:00 PM	50.8	77.8	40.5
12:00 PM - 01:00 PM	46.4	65.7	40.4
01:00 PM - 02:00 PM	47.4	71.0	40.5
02:00 PM - 03:00 PM	47.0	78.2	40.8
03:00 PM - 04:00 PM	66.8	107.6	41.6
04:00 PM - 05:00 PM	67.5	77.0	55.9
05:00 PM - 06:00 PM	56.4	70.8	50.0
06:00 PM - 07:00 PM	60.6	64.4	59.6
07:00 PM - 08:00 PM	60.7	63.0	59.3
08:00 PM - 09:00 PM	57.6	64.0	55.4
09:00 PM - 10:00 PM	54.9	65.6	53.4
10:00 PM - 11:00 PM	52.5	63.5	50.1
11:00 PM - 12:00 AM	51.7	63.9	47.9
12:00 AM - 01:00 AM	51.0	63.9	47.0
01:00 AM - 02:00 AM	55.8	66.0	49.6
02:00 AM - 03:00 AM	61.7	70.3	56.2
03:00 AM - 04:00 AM	60.1	66.9	56.1
04:00 AM - 05:00 AM	57.0	72.6	53.3
05:00 AM - 06:00 AM	53.7	71.3	50.5
06:00 AM - 07:00 AM	56.2	82.1	47.4
07:00 AM - 08:00 AM	54.2	78.8	44.7
08:00 AM - 09:00 AM	48.7	70.8	43.6
09:00 AM - 10:00 AM	47.8	65.6	42.5
Leq Average 24 hrs. (dB(A))	59.1		
Lmax (dB(A))		107.6	
L90 (dB(A))			47.9
Ldn (dB(A))	64.0		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supt S.
Supot Salamteh
Section Head

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36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408885-1

Sample Number	2270880-8
Parameter	Noise (Leq 24 hrs.)
Location	บ้านหนองทางบุญ (GPS 47P 690726, 1597627)
Measurement Date	Aug 05 - Aug 06, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 858520

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.2	70.2	42.1
11:00 AM - 12:00 PM	50.1	74.7	40.2
12:00 PM - 01:00 PM	47.6	65.9	40.1
01:00 PM - 02:00 PM	47.6	72.0	42.5
02:00 PM - 03:00 PM	50.2	77.0	42.8
03:00 PM - 04:00 PM	49.5	71.5	44.4
04:00 PM - 05:00 PM	54.0	71.2	46.4
05:00 PM - 06:00 PM	56.1	70.3	50.9
06:00 PM - 07:00 PM	58.6	63.7	56.8
07:00 PM - 08:00 PM	57.6	64.0	53.9
08:00 PM - 09:00 PM	57.0	62.8	52.3
09:00 PM - 10:00 PM	55.3	65.8	49.9
10:00 PM - 11:00 PM	52.2	60.5	49.8
11:00 PM - 12:00 AM	50.5	60.8	48.5
12:00 AM - 01:00 AM	49.1	61.7	47.0
01:00 AM - 02:00 AM	50.5	63.9	44.5
02:00 AM - 03:00 AM	50.6	68.4	45.4
03:00 AM - 04:00 AM	54.3	70.7	49.9
04:00 AM - 05:00 AM	57.4	72.7	53.0
05:00 AM - 06:00 AM	53.0	72.3	48.5
06:00 AM - 07:00 AM	50.4	70.2	46.5
07:00 AM - 08:00 AM	50.8	67.2	44.9
08:00 AM - 09:00 AM	52.9	80.6	43.3
09:00 AM - 10:00 AM	48.7	70.2	42.8
Leq Average 24 hrs. (dB(A))	53.5		
Lmax (dB(A))		80.6	
L90 (dB(A))			46.4
Ldn (dB(A))	59.4		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
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Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supt S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408886-1

Sample Number	2270880-9
Parameter	Noise (Leq 24 hrs.)
Location	บ้านหนองทางบุญ (GPS 47P 690726, 1597627)
Measurement Date	Aug 06 - Aug 07, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 858520

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.4	73.8	41.1
11:00 AM - 12:00 PM	49.5	68.3	43.2
12:00 PM - 01:00 PM	50.3	76.7	42.1
01:00 PM - 02:00 PM	49.9	74.5	42.2
02:00 PM - 03:00 PM	51.2	78.1	43.2
03:00 PM - 04:00 PM	49.7	80.5	41.2
04:00 PM - 05:00 PM	52.0	70.9	43.9
05:00 PM - 06:00 PM	66.2	95.3	45.3
06:00 PM - 07:00 PM	62.0	84.0	58.1
07:00 PM - 08:00 PM	62.1	71.5	60.8
08:00 PM - 09:00 PM	63.3	71.6	61.9
09:00 PM - 10:00 PM	60.1	69.5	57.5
10:00 PM - 11:00 PM	56.4	68.9	52.8
11:00 PM - 12:00 AM	53.6	64.2	49.4
12:00 AM - 01:00 AM	62.0	70.2	49.5
01:00 AM - 02:00 AM	67.6	71.8	62.3
02:00 AM - 03:00 AM	69.1	72.9	66.5
03:00 AM - 04:00 AM	67.6	72.4	60.9
04:00 AM - 05:00 AM	57.9	72.9	54.0
05:00 AM - 06:00 AM	54.5	68.2	51.7
06:00 AM - 07:00 AM	54.0	66.5	49.2
07:00 AM - 08:00 AM	51.0	68.7	46.4
08:00 AM - 09:00 AM	51.5	87.2	43.4
09:00 AM - 10:00 AM	49.4	66.5	45.0
Leq Average 24 hrs. (dB(A))	61.6		
Lmax (dB(A))		95.3	
L90 (dB(A))			49.2
Ldn (dB(A))	70.0		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
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Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408887-1

Sample Number	2270880-10
Parameter	Noise (Leq 24 hrs.)
Location	บ้านหนองทางบุญ (GPS 47P 690726, 1597627)
Measurement Date	Aug 07 - Aug 08, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 858520

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.2	68.4	44.6
11:00 AM - 12:00 PM	47.3	70.9	41.9
12:00 PM - 01:00 PM	51.2	71.0	42.2
01:00 PM - 02:00 PM	51.2	80.3	41.8
02:00 PM - 03:00 PM	49.8	76.8	42.0
03:00 PM - 04:00 PM	50.4	78.8	43.0
04:00 PM - 05:00 PM	52.0	70.9	45.0
05:00 PM - 06:00 PM	57.4	65.2	50.8
06:00 PM - 07:00 PM	55.5	64.5	52.7
07:00 PM - 08:00 PM	54.5	63.6	52.3
08:00 PM - 09:00 PM	52.6	61.1	51.8
09:00 PM - 10:00 PM	51.8	60.5	50.6
10:00 PM - 11:00 PM	50.9	58.4	48.3
11:00 PM - 12:00 AM	48.5	56.9	46.9
12:00 AM - 01:00 AM	49.0	58.5	46.7
01:00 AM - 02:00 AM	48.9	64.5	47.9
02:00 AM - 03:00 AM	51.1	69.2	46.6
03:00 AM - 04:00 AM	51.3	67.1	48.6
04:00 AM - 05:00 AM	56.3	73.4	53.0
05:00 AM - 06:00 AM	55.1	74.0	51.7
06:00 AM - 07:00 AM	56.6	74.0	52.2
07:00 AM - 08:00 AM	52.5	71.1	49.4
08:00 AM - 09:00 AM	52.4	77.2	45.3
09:00 AM - 10:00 AM	62.1	74.6	45.0
Leq Average 24 hrs. (dB(A))	54.0		
Lmax (dB(A))		80.3	
L90 (dB(A))			46.9
Ldn (dB(A))	59.7		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408888-1

Sample Number	2270880-11
Parameter	Noise (Leq 24 hrs.)
Location	บ้านหนองมูเหล็ก (GPS 47P 690272, 1596020)
Measurement Date	Aug 03 - Aug 04, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 1022262

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.5	78.9	43.1
11:00 AM - 12:00 PM	57.5	84.1	40.2
12:00 PM - 01:00 PM	48.2	73.1	41.9
01:00 PM - 02:00 PM	52.1	77.6	41.6
02:00 PM - 03:00 PM	62.6	77.8	45.5
03:00 PM - 04:00 PM	52.6	76.3	44.6
04:00 PM - 05:00 PM	50.5	76.3	44.8
05:00 PM - 06:00 PM	51.5	74.7	46.7
06:00 PM - 07:00 PM	54.4	83.2	49.1
07:00 PM - 08:00 PM	53.5	71.8	51.2
08:00 PM - 09:00 PM	57.4	62.5	52.9
09:00 PM - 10:00 PM	59.9	67.8	56.2
10:00 PM - 11:00 PM	54.9	62.6	50.6
11:00 PM - 12:00 AM	51.3	59.8	48.0
12:00 AM - 01:00 AM	48.8	58.4	46.5
01:00 AM - 02:00 AM	47.4	60.7	46.4
02:00 AM - 03:00 AM	49.2	53.4	48.1
03:00 AM - 04:00 AM	52.7	68.4	49.2
04:00 AM - 05:00 AM	53.0	69.2	49.3
05:00 AM - 06:00 AM	58.8	86.7	49.2
06:00 AM - 07:00 AM	52.9	70.9	47.8
07:00 AM - 08:00 AM	51.9	80.3	45.8
08:00 AM - 09:00 AM	50.8	70.1	43.7
09:00 AM - 10:00 AM	48.7	67.0	42.7
Leq Average 24 hrs. (dB(A))	55.0		
Lmax (dB(A))		86.7	
L90 (dB(A))			46.5
Ldn (dB(A))	60.3		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408889-1

Sample Number	2270880-12
Parameter	Noise (Leq 24 hrs.)
Location	บ้านหนองมูเหล็ก (GPS 47P 690272, 1596020)
Measurement Date	Aug 04 - Aug 05, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 1022262

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.9	68.9	41.2
11:00 AM - 12:00 PM	48.9	78.5	40.4
12:00 PM - 01:00 PM	55.8	81.9	41.2
01:00 PM - 02:00 PM	53.6	78.6	41.6
02:00 PM - 03:00 PM	48.3	68.8	41.4
03:00 PM - 04:00 PM	50.7	73.5	41.6
04:00 PM - 05:00 PM	53.9	89.5	42.1
05:00 PM - 06:00 PM	65.6	79.9	45.7
06:00 PM - 07:00 PM	54.5	69.4	49.7
07:00 PM - 08:00 PM	53.4	61.2	50.6
08:00 PM - 09:00 PM	61.8	66.6	56.3
09:00 PM - 10:00 PM	62.1	65.9	60.4
10:00 PM - 11:00 PM	57.8	62.8	55.4
11:00 PM - 12:00 AM	54.7	60.0	52.7
12:00 AM - 01:00 AM	53.4	59.1	51.2
01:00 AM - 02:00 AM	52.4	60.7	50.1
02:00 AM - 03:00 AM	52.8	61.9	50.3
03:00 AM - 04:00 AM	51.3	70.4	48.2
04:00 AM - 05:00 AM	51.2	69.5	47.3
05:00 AM - 06:00 AM	62.2	89.8	48.9
06:00 AM - 07:00 AM	54.3	84.0	49.1
07:00 AM - 08:00 AM	55.2	76.8	49.0
08:00 AM - 09:00 AM	56.2	82.0	46.8
09:00 AM - 10:00 AM	51.7	71.1	46.1
Leq Average 24 hrs. (dB(A))	57.4		
Lmax (dB(A))		89.8	
L90 (dB(A))			48.2
Ldn (dB(A))	62.8		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408890-1

Sample Number	2270880-13
Parameter	Noise (Leq 24 hrs.)
Location	บ้านหนองงูเหลือม (GPS 47P 690272, 1596020)
Measurement Date	Aug 05 - Aug 06, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 1022262

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.8	74.1	45.5
11:00 AM - 12:00 PM	50.2	71.5	43.2
12:00 PM - 01:00 PM	48.8	71.7	40.9
01:00 PM - 02:00 PM	48.2	70.8	40.8
02:00 PM - 03:00 PM	52.2	72.4	43.9
03:00 PM - 04:00 PM	49.4	71.4	43.9
04:00 PM - 05:00 PM	52.1	73.7	44.2
05:00 PM - 06:00 PM	52.5	70.9	48.0
06:00 PM - 07:00 PM	55.1	84.8	49.3
07:00 PM - 08:00 PM	53.3	68.0	51.9
08:00 PM - 09:00 PM	56.0	64.0	52.5
09:00 PM - 10:00 PM	57.4	62.9	55.1
10:00 PM - 11:00 PM	52.4	58.7	49.4
11:00 PM - 12:00 AM	49.3	58.8	47.4
12:00 AM - 01:00 AM	48.4	63.0	46.5
01:00 AM - 02:00 AM	49.2	56.8	47.1
02:00 AM - 03:00 AM	53.1	58.2	52.0
03:00 AM - 04:00 AM	53.3	68.8	52.2
04:00 AM - 05:00 AM	53.9	68.4	52.0
05:00 AM - 06:00 AM	61.6	91.1	50.7
06:00 AM - 07:00 AM	53.5	80.7	48.5
07:00 AM - 08:00 AM	52.6	79.8	46.9
08:00 AM - 09:00 AM	51.6	73.4	44.3
09:00 AM - 10:00 AM	51.4	77.0	43.7
Leq Average 24 hrs. (dB(A))	53.7		
Lmax (dB(A))		91.1	
L90 (dB(A))			47.1
Ldn (dB(A))	61.0		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408891-1

Sample Number	2270880-14
Parameter	Noise (Leq 24 hrs.)
Location	บ้านหนองงูเหลือม (GPS 47P 690272, 1596020)
Measurement Date	Aug 06 - Aug 07, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 1022262

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.6	74.5	43.2
11:00 AM - 12:00 PM	53.4	73.0	42.4
12:00 PM - 01:00 PM	50.3	70.8	41.7
01:00 PM - 02:00 PM	48.1	72.3	41.6
02:00 PM - 03:00 PM	49.3	67.9	42.2
03:00 PM - 04:00 PM	47.6	69.3	40.7
04:00 PM - 05:00 PM	51.6	78.3	43.5
05:00 PM - 06:00 PM	53.2	83.3	43.7
06:00 PM - 07:00 PM	55.8	73.4	46.6
07:00 PM - 08:00 PM	66.3	90.3	56.1
08:00 PM - 09:00 PM	59.2	75.5	55.2
09:00 PM - 10:00 PM	63.3	66.5	62.4
10:00 PM - 11:00 PM	60.7	64.5	58.5
11:00 PM - 12:00 AM	55.8	62.1	53.2
12:00 AM - 01:00 AM	53.4	65.4	50.9
01:00 AM - 02:00 AM	52.4	60.4	50.2
02:00 AM - 03:00 AM	52.7	60.6	50.9
03:00 AM - 04:00 AM	53.8	67.9	52.1
04:00 AM - 05:00 AM	54.2	68.8	51.6
05:00 AM - 06:00 AM	63.3	90.9	50.3
06:00 AM - 07:00 AM	54.1	74.4	50.1
07:00 AM - 08:00 AM	53.2	74.5	47.8
08:00 AM - 09:00 AM	51.8	75.2	46.7
09:00 AM - 10:00 AM	50.8	77.1	43.8
Leq Average 24 hrs. (dB(A))	57.7		
Lmax (dB(A))		90.9	
L90 (dB(A))			47.8
Ldn (dB(A))	63.9		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408892-1

Sample Number	2270880-15
Parameter	Noise (Leq 24 hrs.)
Location	บ้านหนองงูเหลือม (GPS 47P 690272, 1596020)
Measurement Date	Aug 07 - Aug 08, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 1022262

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.6	64.5	43.0
11:00 AM - 12:00 PM	50.3	72.3	44.5
12:00 PM - 01:00 PM	51.6	76.3	43.3
01:00 PM - 02:00 PM	49.2	72.8	41.2
02:00 PM - 03:00 PM	47.8	67.6	40.7
03:00 PM - 04:00 PM	50.2	74.5	42.6
04:00 PM - 05:00 PM	51.4	81.0	42.2
05:00 PM - 06:00 PM	49.8	67.1	43.4
06:00 PM - 07:00 PM	49.9	69.7	45.6
07:00 PM - 08:00 PM	52.1	59.9	50.9
08:00 PM - 09:00 PM	52.1	75.2	50.1
09:00 PM - 10:00 PM	55.3	60.5	52.9
10:00 PM - 11:00 PM	54.3	60.0	50.7
11:00 PM - 12:00 AM	53.3	66.7	48.1
12:00 AM - 01:00 AM	51.8	67.0	46.9
01:00 AM - 02:00 AM	47.2	67.8	44.5
02:00 AM - 03:00 AM	48.9	55.4	47.5
03:00 AM - 04:00 AM	47.1	65.5	44.6
04:00 AM - 05:00 AM	50.6	68.0	47.1
05:00 AM - 06:00 AM	57.4	78.3	49.8
06:00 AM - 07:00 AM	53.9	75.3	49.5
07:00 AM - 08:00 AM	54.6	68.0	50.8
08:00 AM - 09:00 AM	52.9	68.1	48.9
09:00 AM - 10:00 AM	52.7	73.5	45.4
Leq Average 24 hrs. (dB(A))	52.2		
Lmax (dB(A))		81.0	
L90 (dB(A))			45.6
Ldn (dB(A))	59.1		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
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Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408893-1

Sample Number	2270880-16
Parameter	Noise (Leq 24 hrs.)
Location	บ้านโคกแดง (GPS 47P 692140, 1595764)
Measurement Date	Aug 03 - Aug 04, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 858513

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	53.3	83.9	49.1
01:00 PM - 02:00 PM	52.2	63.6	49.7
02:00 PM - 03:00 PM	59.4	75.0	51.3
03:00 PM - 04:00 PM	59.0	78.7	51.5
04:00 PM - 05:00 PM	54.8	84.2	49.7
05:00 PM - 06:00 PM	53.4	73.6	50.1
06:00 PM - 07:00 PM	59.8	89.8	49.5
07:00 PM - 08:00 PM	59.2	87.2	50.1
08:00 PM - 09:00 PM	56.4	88.2	52.3
09:00 PM - 10:00 PM	61.7	89.0	54.1
10:00 PM - 11:00 PM	66.3	96.9	52.8
11:00 PM - 12:00 AM	53.8	71.4	52.0
12:00 AM - 01:00 AM	53.4	59.1	51.9
01:00 AM - 02:00 AM	54.7	81.2	53.6
02:00 AM - 03:00 AM	55.1	72.1	53.7
03:00 AM - 04:00 AM	52.9	63.5	51.4
04:00 AM - 05:00 AM	51.3	63.5	49.2
05:00 AM - 06:00 AM	51.7	70.1	49.2
06:00 AM - 07:00 AM	52.4	68.5	49.4
07:00 AM - 08:00 AM	51.7	71.8	48.4
08:00 AM - 09:00 AM	51.9	75.1	48.5
09:00 AM - 10:00 AM	53.0	74.5	49.2
10:00 AM - 11:00 AM	51.5	70.6	48.4
11:00 AM - 12:00 PM	52.7	74.1	49.8
Leq Average 24 hrs. (dB(A))	57.4		
Lmax (dB(A))		96.9	
L90 (dB(A))			49.8
Ldn (dB(A))	64.5		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408894-1

Sample Number 2270880-17
Parameter Noise (Leq 24 hrs.)
Location บ้านโคกแดง (GPS 47P 692140, 1595764)
Measurement Date Aug 04 - Aug 05, 2022
Measurement by Warakorn Pookrak
Sound Level meter Serial No. 858513

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	52.0	78.0	49.1
01:00 PM - 02:00 PM	51.9	65.8	49.3
02:00 PM - 03:00 PM	52.8	68.6	48.7
03:00 PM - 04:00 PM	53.6	67.7	50.1
04:00 PM - 05:00 PM	53.7	72.2	48.7
05:00 PM - 06:00 PM	61.7	76.2	49.3
06:00 PM - 07:00 PM	55.1	74.4	50.7
07:00 PM - 08:00 PM	53.0	73.9	50.5
08:00 PM - 09:00 PM	56.2	84.1	53.0
09:00 PM - 10:00 PM	56.6	80.1	55.0
10:00 PM - 11:00 PM	56.4	88.9	53.5
11:00 PM - 12:00 AM	54.9	77.7	53.4
12:00 AM - 01:00 AM	61.7	90.8	53.8
01:00 AM - 02:00 AM	56.7	84.6	54.1
02:00 AM - 03:00 AM	54.1	59.8	52.6
03:00 AM - 04:00 AM	53.4	63.4	51.9
04:00 AM - 05:00 AM	53.0	60.4	51.4
05:00 AM - 06:00 AM	52.5	73.7	50.0
06:00 AM - 07:00 AM	57.8	87.0	50.2
07:00 AM - 08:00 AM	52.2	69.0	49.5
08:00 AM - 09:00 AM	52.9	75.0	49.1
09:00 AM - 10:00 AM	55.1	80.1	48.8
10:00 AM - 11:00 AM	51.1	66.8	48.5
11:00 AM - 12:00 PM	52.4	76.6	48.5
Leq Average 24 hrs. (dB(A))	55.7		
Lmax (dB(A))		90.8	
L90 (dB(A))			50.1
Ldn (dB(A))	62.9		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408895-1

Sample Number 2270880-18
Parameter Noise (Leq 24 hrs.)
Location บ้านโคกแดง (GPS 47P 692140, 1595764)
Measurement Date Aug 05 - Aug 06, 2022
Measurement by Warakorn Pookrak
Sound Level meter Serial No. 858513

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	51.9	73.6	47.9
01:00 PM - 02:00 PM	51.5	77.6	47.7
02:00 PM - 03:00 PM	50.9	65.1	48.0
03:00 PM - 04:00 PM	50.5	64.4	47.8
04:00 PM - 05:00 PM	51.1	69.0	48.4
05:00 PM - 06:00 PM	51.5	78.1	48.7
06:00 PM - 07:00 PM	54.6	81.6	49.2
07:00 PM - 08:00 PM	67.2	96.9	50.6
08:00 PM - 09:00 PM	67.3	96.7	53.9
09:00 PM - 10:00 PM	60.4	91.6	51.4
10:00 PM - 11:00 PM	59.6	87.6	51.5
11:00 PM - 12:00 AM	61.2	93.8	52.4
12:00 AM - 01:00 AM	54.6	89.0	51.4
01:00 AM - 02:00 AM	53.7	69.5	52.4
02:00 AM - 03:00 AM	53.1	72.1	51.7
03:00 AM - 04:00 AM	52.0	69.0	49.6
04:00 AM - 05:00 AM	50.8	60.3	48.7
05:00 AM - 06:00 AM	52.0	64.5	49.5
06:00 AM - 07:00 AM	53.0	68.4	49.8
07:00 AM - 08:00 AM	52.1	75.3	48.9
08:00 AM - 09:00 AM	49.3	73.6	42.3
09:00 AM - 10:00 AM	52.5	76.0	46.9
10:00 AM - 11:00 AM	54.1	79.6	49.7
11:00 AM - 12:00 PM	57.6	73.3	50.4
Leq Average 24 hrs. (dB(A))	58.7		
Lmax (dB(A))		96.9	
L90 (dB(A))			49.5
Ldn (dB(A))	63.2		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408896-1

Sample Number 2270880-19
Parameter Noise (Leq 24 hrs.)
Location บ้านโคกแดง (GPS 47P 692140, 1595764)
Measurement Date Aug 06 - Aug 07, 2022
Measurement by Warakorn Pookrak
Sound Level meter Serial No. 858513

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	51.9	70.4	47.7
01:00 PM - 02:00 PM	50.7	73.4	47.9
02:00 PM - 03:00 PM	51.9	70.7	48.1
03:00 PM - 04:00 PM	52.9	74.4	48.1
04:00 PM - 05:00 PM	51.5	72.0	48.1
05:00 PM - 06:00 PM	53.0	69.2	48.8
06:00 PM - 07:00 PM	57.4	85.9	50.5
07:00 PM - 08:00 PM	64.3	96.6	52.7
08:00 PM - 09:00 PM	57.7	85.7	53.0
09:00 PM - 10:00 PM	56.6	74.7	54.3
10:00 PM - 11:00 PM	56.9	67.3	56.1
11:00 PM - 12:00 AM	55.2	69.5	54.0
12:00 AM - 01:00 AM	53.8	60.6	52.7
01:00 AM - 02:00 AM	54.4	60.9	53.3
02:00 AM - 03:00 AM	54.6	61.9	53.2
03:00 AM - 04:00 AM	56.8	64.9	52.9
04:00 AM - 05:00 AM	61.2	70.8	55.3
05:00 AM - 06:00 AM	58.2	70.1	51.3
06:00 AM - 07:00 AM	54.3	72.5	50.4
07:00 AM - 08:00 AM	54.2	72.9	49.4
08:00 AM - 09:00 AM	54.4	75.3	50.4
09:00 AM - 10:00 AM	59.2	76.1	50.3
10:00 AM - 11:00 AM	54.2	77.9	49.3
11:00 AM - 12:00 PM	55.2	85.6	50.1
Leq Average 24 hrs. (dB(A))	56.8		
Lmax (dB(A))		96.6	
L90 (dB(A))			50.4
Ldn (dB(A))	63.3		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408897-1

Sample Number 2270880-20
Parameter Noise (Leq 24 hrs.)
Location บ้านโคกแดง (GPS 47P 692140, 1595764)
Measurement Date Aug 07 - Aug 08, 2022
Measurement by Warakorn Pookrak
Sound Level meter Serial No. 858513

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	59.8	74.4	50.3
01:00 PM - 02:00 PM	57.3	72.3	49.8
02:00 PM - 03:00 PM	50.9	64.4	48.3
03:00 PM - 04:00 PM	51.4	75.5	48.5
04:00 PM - 05:00 PM	51.3	69.2	48.7
05:00 PM - 06:00 PM	51.9	76.5	48.7
06:00 PM - 07:00 PM	56.7	85.1	48.9
07:00 PM - 08:00 PM	61.9	88.3	51.3
08:00 PM - 09:00 PM	55.5	75.1	53.8
09:00 PM - 10:00 PM	56.6	86.8	51.6
10:00 PM - 11:00 PM	63.7	89.4	50.1
11:00 PM - 12:00 AM	59.3	93.1	49.1
12:00 AM - 01:00 AM	52.5	83.2	49.5
01:00 AM - 02:00 AM	54.3	80.0	50.9
02:00 AM - 03:00 AM	52.9	75.7	50.2
03:00 AM - 04:00 AM	51.6	56.1	49.9
04:00 AM - 05:00 AM	51.6	70.6	49.3
05:00 AM - 06:00 AM	66.0	98.8	50.4
06:00 AM - 07:00 AM	52.8	71.5	49.5
07:00 AM - 08:00 AM	52.9	70.1	49.8
08:00 AM - 09:00 AM	52.7	71.8	49.6
09:00 AM - 10:00 AM	51.9	67.2	48.9
10:00 AM - 11:00 AM	52.4	68.1	48.3
11:00 AM - 12:00 PM	54.5	68.7	49.0
Leq Average 24 hrs. (dB(A))	57.7		
Lmax (dB(A))		98.8	
L90 (dB(A))			49.5
Ldn (dB(A))	65.7		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408898-1

Sample Number	2270880-21
Parameter	Noise (Leq 24 hrs.)
Location	รั้วรั้วพื้นที่โครงการหรือบ้านที่อยู่ใกล้พื้นที่โครงการมากที่สุด (GPS 47P 691731, 1596978)
Measurement Date	Aug 03 - Aug 04, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 658240

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	51.8	83.9	40.6
01:00 PM - 02:00 PM	46.4	79.8	40.3
02:00 PM - 03:00 PM	50.9	70.9	40.6
03:00 PM - 04:00 PM	62.7	75.8	43.0
04:00 PM - 05:00 PM	51.6	79.8	41.9
05:00 PM - 06:00 PM	47.0	66.9	42.4
06:00 PM - 07:00 PM	49.3	67.4	43.3
07:00 PM - 08:00 PM	55.9	85.2	48.2
08:00 PM - 09:00 PM	55.0	84.3	50.3
09:00 PM - 10:00 PM	51.5	58.1	50.2
10:00 PM - 11:00 PM	51.1	63.5	49.7
11:00 PM - 12:00 AM	55.6	62.8	54.7
12:00 AM - 01:00 AM	56.1	59.3	55.1
01:00 AM - 02:00 AM	55.1	63.6	54.1
02:00 AM - 03:00 AM	53.5	58.0	46.8
03:00 AM - 04:00 AM	46.3	57.0	45.2
04:00 AM - 05:00 AM	46.5	57.9	45.1
05:00 AM - 06:00 AM	48.2	65.5	44.9
06:00 AM - 07:00 AM	49.8	78.3	43.1
07:00 AM - 08:00 AM	48.3	79.0	40.4
08:00 AM - 09:00 AM	48.6	74.2	40.2
09:00 AM - 10:00 AM	43.8	61.2	39.6
10:00 AM - 11:00 AM	47.1	62.7	42.2
11:00 AM - 12:00 PM	44.9	64.7	38.8
Leq Average 24 hrs. (dB(A))	53.4		
Lmax (dB(A))		85.2	
L90 (dB(A))			43.1
Ldn (dB(A))	59.3		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supt S.
Supot Salamteh
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Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408899-1

Sample Number	2270880-22
Parameter	Noise (Leq 24 hrs.)
Location	รั้วรั้วพื้นที่โครงการหรือบ้านที่อยู่ใกล้พื้นที่โครงการมากที่สุด (GPS 47P 691731, 1596978)
Measurement Date	Aug 04 - Aug 05, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 658240

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	53.7	83.0	40.0
01:00 PM - 02:00 PM	48.3	76.9	41.5
02:00 PM - 03:00 PM	46.8	76.3	39.5
03:00 PM - 04:00 PM	45.1	77.2	40.0
04:00 PM - 05:00 PM	55.3	86.4	39.7
05:00 PM - 06:00 PM	60.0	75.9	40.7
06:00 PM - 07:00 PM	63.9	80.9	53.0
07:00 PM - 08:00 PM	51.8	75.1	49.0
08:00 PM - 09:00 PM	56.3	82.2	53.4
09:00 PM - 10:00 PM	54.2	62.9	51.9
10:00 PM - 11:00 PM	52.2	59.9	50.5
11:00 PM - 12:00 AM	50.7	59.4	49.4
12:00 AM - 01:00 AM	50.1	57.6	48.7
01:00 AM - 02:00 AM	48.6	59.5	47.0
02:00 AM - 03:00 AM	48.7	64.9	47.4
03:00 AM - 04:00 AM	49.4	56.5	48.6
04:00 AM - 05:00 AM	49.2	56.3	47.5
05:00 AM - 06:00 AM	50.0	76.5	46.3
06:00 AM - 07:00 AM	49.2	68.3	44.7
07:00 AM - 08:00 AM	46.0	70.0	41.8
08:00 AM - 09:00 AM	52.8	80.0	43.9
09:00 AM - 10:00 AM	56.1	86.4	41.6
10:00 AM - 11:00 AM	47.4	69.3	41.2
11:00 AM - 12:00 PM	49.0	81.7	41.0
Leq Average 24 hrs. (dB(A))	54.4		
Lmax (dB(A))		86.4	
L90 (dB(A))			44.7
Ldn (dB(A))	57.9		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supt S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408900-1

Sample Number	2270880-23
Parameter	Noise (Leq 24 hrs.)
Location	รั้วรั้วพื้นที่โครงการหรือบ้านที่อยู่ใกล้พื้นที่โครงการมากที่สุด (GPS 47P 691731, 1596978)
Measurement Date	Aug 05 - Aug 06, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 658240

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	57.6	85.7	39.7
01:00 PM - 02:00 PM	50.7	83.6	39.8
02:00 PM - 03:00 PM	66.4	87.8	40.0
03:00 PM - 04:00 PM	47.8	70.3	40.8
04:00 PM - 05:00 PM	51.9	79.8	41.4
05:00 PM - 06:00 PM	46.4	64.2	42.9
06:00 PM - 07:00 PM	48.7	68.5	45.2
07:00 PM - 08:00 PM	62.9	92.7	48.5
08:00 PM - 09:00 PM	50.8	59.1	49.6
09:00 PM - 10:00 PM	53.2	83.5	47.8
10:00 PM - 11:00 PM	53.1	87.7	47.0
11:00 PM - 12:00 AM	48.3	77.8	46.4
12:00 AM - 01:00 AM	50.6	82.4	45.8
01:00 AM - 02:00 AM	45.7	57.0	44.6
02:00 AM - 03:00 AM	44.6	52.3	43.3
03:00 AM - 04:00 AM	47.4	80.9	44.2
04:00 AM - 05:00 AM	45.0	58.8	43.8
05:00 AM - 06:00 AM	46.8	73.4	44.5
06:00 AM - 07:00 AM	50.2	71.3	44.8
07:00 AM - 08:00 AM	47.0	72.3	41.3
08:00 AM - 09:00 AM	47.4	78.8	40.8
09:00 AM - 10:00 AM	44.3	68.0	39.9
10:00 AM - 11:00 AM	53.7	86.5	39.7
11:00 AM - 12:00 PM	45.7	68.6	39.4
Leq Average 24 hrs. (dB(A))	55.6		
Lmax (dB(A))		92.7	
L90 (dB(A))			43.3
Ldn (dB(A))	58.0		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supt S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408901-1

Sample Number	2270880-24
Parameter	Noise (Leq 24 hrs.)
Location	รั้วรั้วพื้นที่โครงการหรือบ้านที่อยู่ใกล้พื้นที่โครงการมากที่สุด (GPS 47P 691731, 1596978)
Measurement Date	Aug 06 - Aug 07, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 658240

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	61.1	84.7	39.3
01:00 PM - 02:00 PM	49.5	87.6	39.4
02:00 PM - 03:00 PM	45.2	74.3	38.9
03:00 PM - 04:00 PM	44.7	65.4	38.4
04:00 PM - 05:00 PM	50.5	86.0	39.0
05:00 PM - 06:00 PM	46.4	72.3	38.8
06:00 PM - 07:00 PM	52.0	84.2	41.8
07:00 PM - 08:00 PM	65.9	96.2	45.0
08:00 PM - 09:00 PM	59.5	86.9	54.3
09:00 PM - 10:00 PM	62.1	85.9	55.5
10:00 PM - 11:00 PM	57.1	73.2	54.1
11:00 PM - 12:00 AM	50.9	67.9	48.9
12:00 AM - 01:00 AM	48.4	54.1	47.3
01:00 AM - 02:00 AM	50.9	54.8	50.2
02:00 AM - 03:00 AM	51.1	55.8	50.4
03:00 AM - 04:00 AM	51.2	64.5	50.6
04:00 AM - 05:00 AM	50.2	55.2	48.2
05:00 AM - 06:00 AM	50.0	70.0	46.2
06:00 AM - 07:00 AM	49.6	71.4	43.1
07:00 AM - 08:00 AM	47.2	67.9	41.6
08:00 AM - 09:00 AM	47.9	66.7	41.2
09:00 AM - 10:00 AM	48.0	72.8	40.6
10:00 AM - 11:00 AM	53.8	84.2	39.6
11:00 AM - 12:00 PM	49.8	82.7	42.1
Leq Average 24 hrs. (dB(A))	56.2		
Lmax (dB(A))		96.2	
L90 (dB(A))			42.1
Ldn (dB(A))	59.7		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supt S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408902-1

Sample Number	2270880-25
Parameter	Noise (Leq 24 hrs.)
Location	รั้วรั้วพื้นที่โครงการหรือบ้านที่อยู่ใกล้พื้นที่โครงการมากที่สุด (GPS 47P 691731, 1596978)
Measurement Date	Aug 07 - Aug 08, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 658240

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	55.0	84.2	41.8
01:00 PM - 02:00 PM	46.1	65.8	40.0
02:00 PM - 03:00 PM	46.0	74.4	39.1
03:00 PM - 04:00 PM	59.7	86.9	38.8
04:00 PM - 05:00 PM	44.7	75.1	39.3
05:00 PM - 06:00 PM	45.7	70.7	40.5
06:00 PM - 07:00 PM	47.0	69.3	43.1
07:00 PM - 08:00 PM	52.2	85.2	46.0
08:00 PM - 09:00 PM	57.9	86.4	46.3
09:00 PM - 10:00 PM	55.5	85.5	45.6
10:00 PM - 11:00 PM	46.9	62.0	45.0
11:00 PM - 12:00 AM	47.0	60.6	44.8
12:00 AM - 01:00 AM	46.3	56.1	43.7
01:00 AM - 02:00 AM	46.7	54.8	42.9
02:00 AM - 03:00 AM	50.3	56.0	49.3
03:00 AM - 04:00 AM	50.6	56.4	50.1
04:00 AM - 05:00 AM	50.3	55.0	49.8
05:00 AM - 06:00 AM	49.3	62.7	46.0
06:00 AM - 07:00 AM	48.6	71.3	44.6
07:00 AM - 08:00 AM	50.7	73.0	45.3
08:00 AM - 09:00 AM	51.4	67.4	46.0
09:00 AM - 10:00 AM	48.6	65.5	44.1
10:00 AM - 11:00 AM	45.9	69.5	39.4
11:00 AM - 12:00 PM	60.1	80.1	41.4
Leq Average 24 hrs. (dB(A))	52.9		
Lmax (dB(A))		86.9	
L90 (dB(A))			44.1
Ldn (dB(A))	56.5		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408903-1

Sample Number	2270880-26
Parameter	Noise (Leq 24 hrs.)
Location	ฟาร์มไก่ที่อยู่ใกล้ชิดมีไม่เกิน 1 กิโลเมตร จากที่ตั้งโครงการจำนวน 1 ฟาร์ม (GPS 47P 690900, 1596450)
Measurement Date	Aug 03 - Aug 04, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 658242

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	54.0	92.9	43.0
11:00 AM - 12:00 PM	52.4	73.8	41.5
12:00 PM - 01:00 PM	47.3	65.6	41.6
01:00 PM - 02:00 PM	47.4	68.9	41.3
02:00 PM - 03:00 PM	58.3	74.2	44.2
03:00 PM - 04:00 PM	60.3	77.5	45.7
04:00 PM - 05:00 PM	52.6	77.3	46.3
05:00 PM - 06:00 PM	52.1	73.7	47.0
06:00 PM - 07:00 PM	57.6	74.8	49.8
07:00 PM - 08:00 PM	63.2	76.4	60.1
08:00 PM - 09:00 PM	64.1	73.0	60.2
09:00 PM - 10:00 PM	69.1	76.1	63.8
10:00 PM - 11:00 PM	68.7	75.7	63.4
11:00 PM - 12:00 AM	68.7	76.3	60.4
12:00 AM - 01:00 AM	60.8	79.0	54.4
01:00 AM - 02:00 AM	56.1	68.3	52.9
02:00 AM - 03:00 AM	53.6	71.3	52.0
03:00 AM - 04:00 AM	54.5	64.8	52.0
04:00 AM - 05:00 AM	54.2	65.6	51.0
05:00 AM - 06:00 AM	53.2	75.4	49.3
06:00 AM - 07:00 AM	53.9	72.8	48.9
07:00 AM - 08:00 AM	51.7	72.6	45.6
08:00 AM - 09:00 AM	50.2	71.3	43.8
09:00 AM - 10:00 AM	51.4	81.0	42.3
Leq Average 24 hrs. (dB(A))	61.5		
Lmax (dB(A))		92.9	
L90 (dB(A))			48.9
Ldn (dB(A))	69.1		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408904-1

Sample Number	2270880-27
Parameter	Noise (Leq 24 hrs.)
Location	ฟาร์มไก่ที่อยู่ใกล้ชิดมีไม่เกิน 1 กิโลเมตร จากที่ตั้งโครงการจำนวน 1 ฟาร์ม (GPS 47P 690900, 1596450)
Measurement Date	Aug 04 - Aug 05, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 658242

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	47.5	71.5	41.4
11:00 AM - 12:00 PM	46.9	69.7	40.1
12:00 PM - 01:00 PM	47.0	70.3	39.9
01:00 PM - 02:00 PM	50.8	76.4	39.9
02:00 PM - 03:00 PM	46.9	67.6	38.9
03:00 PM - 04:00 PM	49.4	75.7	40.5
04:00 PM - 05:00 PM	49.4	65.8	42.9
05:00 PM - 06:00 PM	66.8	77.8	46.0
06:00 PM - 07:00 PM	60.5	73.3	54.9
07:00 PM - 08:00 PM	62.0	71.4	58.0
08:00 PM - 09:00 PM	65.1	72.7	59.5
09:00 PM - 10:00 PM	65.0	72.6	59.4
10:00 PM - 11:00 PM	60.0	71.8	51.7
11:00 PM - 12:00 AM	68.4	74.1	60.8
12:00 AM - 01:00 AM	66.0	74.8	56.8
01:00 AM - 02:00 AM	60.3	72.1	52.0
02:00 AM - 03:00 AM	52.9	66.0	50.7
03:00 AM - 04:00 AM	51.8	64.0	50.3
04:00 AM - 05:00 AM	52.1	66.0	50.6
05:00 AM - 06:00 AM	54.6	80.7	50.0
06:00 AM - 07:00 AM	53.6	72.7	49.9
07:00 AM - 08:00 AM	52.1	69.2	48.6
08:00 AM - 09:00 AM	56.5	80.5	46.8
09:00 AM - 10:00 AM	50.4	70.8	45.2
Leq Average 24 hrs. (dB(A))	60.8		
Lmax (dB(A))		80.7	
L90 (dB(A))			49.9
Ldn (dB(A))	68.1		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408905-1

Sample Number	2270880-28
Parameter	Noise (Leq 24 hrs.)
Location	ฟาร์มไก่ที่อยู่ใกล้ชิดมีไม่เกิน 1 กิโลเมตร จากที่ตั้งโครงการจำนวน 1 ฟาร์ม (GPS 47P 690900, 1596450)
Measurement Date	Aug 05 - Aug 06, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 658242

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.8	76.1	44.4
11:00 AM - 12:00 PM	49.3	72.0	42.1
12:00 PM - 01:00 PM	49.8	86.9	40.2
01:00 PM - 02:00 PM	50.0	81.9	40.7
02:00 PM - 03:00 PM	47.3	71.5	41.3
03:00 PM - 04:00 PM	47.8	74.4	41.8
04:00 PM - 05:00 PM	50.6	68.0	43.5
05:00 PM - 06:00 PM	52.5	76.4	47.0
06:00 PM - 07:00 PM	56.2	68.9	50.2
07:00 PM - 08:00 PM	63.2	71.9	60.2
08:00 PM - 09:00 PM	63.9	70.4	60.6
09:00 PM - 10:00 PM	63.4	70.8	59.6
10:00 PM - 11:00 PM	67.1	82.2	62.4
11:00 PM - 12:00 AM	67.6	73.9	62.6
12:00 AM - 01:00 AM	62.7	70.3	54.8
01:00 AM - 02:00 AM	58.4	68.5	51.0
02:00 AM - 03:00 AM	52.9	62.3	50.2
03:00 AM - 04:00 AM	50.6	60.0	47.6
04:00 AM - 05:00 AM	48.7	61.0	46.4
05:00 AM - 06:00 AM	54.4	76.3	48.9
06:00 AM - 07:00 AM	53.8	70.5	49.8
07:00 AM - 08:00 AM	53.7	78.0	47.0
08:00 AM - 09:00 AM	51.6	69.9	43.9
09:00 AM - 10:00 AM	52.4	82.7	42.3
Leq Average 24 hrs. (dB(A))	59.8		
Lmax (dB(A))		86.9	
L90 (dB(A))			47.0
Ldn (dB(A))	68.0		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408906-1

Sample Number	2270880-29
Parameter	Noise (Leq 24 hrs.)
Location	ฟาร์มไก่ที่อยู่ในรัศมีไม่เกิน 1 กิโลเมตร จากที่ตั้งโครงการจำนวน 1 ฟาร์ม (GPS 47P 690900, 1596450)
Measurement Date	Aug 06 - Aug 07, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 658242

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.0	69.0	42.2
11:00 AM - 12:00 PM	48.5	78.9	41.1
12:00 PM - 01:00 PM	46.5	67.2	40.0
01:00 PM - 02:00 PM	52.1	90.0	40.2
02:00 PM - 03:00 PM	48.7	73.1	41.5
03:00 PM - 04:00 PM	48.9	68.0	41.1
04:00 PM - 05:00 PM	50.5	71.8	42.6
05:00 PM - 06:00 PM	52.2	76.6	45.7
06:00 PM - 07:00 PM	53.2	76.0	48.3
07:00 PM - 08:00 PM	66.9	92.5	55.2
08:00 PM - 09:00 PM	62.9	74.7	59.6
09:00 PM - 10:00 PM	67.8	76.9	62.8
10:00 PM - 11:00 PM	67.7	76.8	62.7
11:00 PM - 12:00 AM	69.1	75.8	63.4
12:00 AM - 01:00 AM	69.2	75.9	63.5
01:00 AM - 02:00 AM	64.9	73.7	55.1
02:00 AM - 03:00 AM	58.5	76.7	52.0
03:00 AM - 04:00 AM	54.8	69.3	52.0
04:00 AM - 05:00 AM	55.4	69.1	51.6
05:00 AM - 06:00 AM	52.1	74.1	47.6
06:00 AM - 07:00 AM	50.8	66.9	47.3
07:00 AM - 08:00 AM	50.5	66.0	46.5
08:00 AM - 09:00 AM	50.8	75.2	44.1
09:00 AM - 10:00 AM	50.7	82.4	42.5
Leq Average 24 hrs. (dB(A))	62.4		
Lmax (dB(A))		92.5	
L90 (dB(A))			47.3
Ldn (dB(A))	70.7		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supt S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408907-1

Sample Number	2270880-30
Parameter	Noise (Leq 24 hrs.)
Location	ฟาร์มไก่ที่อยู่ในรัศมีไม่เกิน 1 กิโลเมตร จากที่ตั้งโครงการจำนวน 1 ฟาร์ม (GPS 47P 690900, 1596450)
Measurement Date	Aug 07 - Aug 08, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 658242

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	47.7	66.9	41.4
11:00 AM - 12:00 PM	49.9	77.4	42.4
12:00 PM - 01:00 PM	47.3	65.1	42.0
01:00 PM - 02:00 PM	47.4	71.6	41.7
02:00 PM - 03:00 PM	47.2	71.7	41.3
03:00 PM - 04:00 PM	49.7	72.0	41.0
04:00 PM - 05:00 PM	49.0	75.3	41.9
05:00 PM - 06:00 PM	55.1	82.3	43.4
06:00 PM - 07:00 PM	61.3	84.3	56.6
07:00 PM - 08:00 PM	62.6	69.4	60.2
08:00 PM - 09:00 PM	62.6	79.9	58.5
09:00 PM - 10:00 PM	65.4	83.5	60.9
10:00 PM - 11:00 PM	65.5	83.6	61.0
11:00 PM - 12:00 AM	65.5	73.0	57.8
12:00 AM - 01:00 AM	65.3	72.8	57.6
01:00 AM - 02:00 AM	56.1	74.5	50.1
02:00 AM - 03:00 AM	49.4	74.7	46.6
03:00 AM - 04:00 AM	47.8	61.0	46.7
04:00 AM - 05:00 AM	48.8	73.6	46.8
05:00 AM - 06:00 AM	50.5	73.0	47.2
06:00 AM - 07:00 AM	51.2	75.3	45.8
07:00 AM - 08:00 AM	52.2	69.9	46.8
08:00 AM - 09:00 AM	52.5	70.8	46.5
09:00 AM - 10:00 AM	50.7	78.9	45.5
Leq Average 24 hrs. (dB(A))	59.4		
Lmax (dB(A))		84.3	
L90 (dB(A))			46.6
Ldn (dB(A))	67.1		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supt S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408908-1

Sample Number	2270880-31
Parameter	Noise (Leq 24 hrs.)
Location	ฟาร์มไก่ที่อยู่ในรัศมีเกิน 1 กิโลเมตร แต่ไม่เกิน 2 กิโลเมตร จากที่ตั้งโครงการฯ จำนวน 1 ฟาร์ม (GPS 47P 689278, 1595192)
Measurement Date	Aug 03 - Aug 04, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 710645

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	52.7	73.0	45.4
11:00 AM - 12:00 PM	51.6	75.4	43.9
12:00 PM - 01:00 PM	48.2	69.1	41.3
01:00 PM - 02:00 PM	50.7	77.8	43.8
02:00 PM - 03:00 PM	60.2	82.7	48.6
03:00 PM - 04:00 PM	63.2	93.2	48.2
04:00 PM - 05:00 PM	57.0	83.6	46.9
05:00 PM - 06:00 PM	52.5	73.5	46.1
06:00 PM - 07:00 PM	49.7	71.3	44.6
07:00 PM - 08:00 PM	49.5	69.5	47.7
08:00 PM - 09:00 PM	52.9	78.6	49.6
09:00 PM - 10:00 PM	53.5	85.8	50.1
10:00 PM - 11:00 PM	50.5	80.4	48.1
11:00 PM - 12:00 AM	47.5	74.8	46.0
12:00 AM - 01:00 AM	58.7	86.3	45.3
01:00 AM - 02:00 AM	63.9	92.8	44.3
02:00 AM - 03:00 AM	45.6	54.2	43.5
03:00 AM - 04:00 AM	55.0	80.7	43.4
04:00 AM - 05:00 AM	59.7	82.3	44.2
05:00 AM - 06:00 AM	62.7	91.3	46.3
06:00 AM - 07:00 AM	58.4	81.1	47.9
07:00 AM - 08:00 AM	53.4	77.6	46.7
08:00 AM - 09:00 AM	52.1	73.3	44.7
09:00 AM - 10:00 AM	54.6	88.5	45.1
Leq Average 24 hrs. (dB(A))	57.3		
Lmax (dB(A))		93.2	
L90 (dB(A))			45.4
Ldn (dB(A))	65.1		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supt S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408909-1

Sample Number	2270880-32
Parameter	Noise (Leq 24 hrs.)
Location	ฟาร์มไก่ที่อยู่ในรัศมีเกิน 1 กิโลเมตร แต่ไม่เกิน 2 กิโลเมตร จากที่ตั้งโครงการฯ จำนวน 1 ฟาร์ม (GPS 47P 689278, 1595192)
Measurement Date	Aug 04 - Aug 05, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 710645

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.4	66.5	43.4
11:00 AM - 12:00 PM	48.3	74.4	42.8
12:00 PM - 01:00 PM	52.2	74.5	43.8
01:00 PM - 02:00 PM	50.9	64.6	44.6
02:00 PM - 03:00 PM	50.2	70.9	41.4
03:00 PM - 04:00 PM	56.5	82.7	42.9
04:00 PM - 05:00 PM	61.2	89.3	45.7
05:00 PM - 06:00 PM	56.4	72.8	43.3
06:00 PM - 07:00 PM	50.5	69.0	46.5
07:00 PM - 08:00 PM	50.9	74.8	47.9
08:00 PM - 09:00 PM	49.2	62.9	48.1
09:00 PM - 10:00 PM	58.3	87.3	49.2
10:00 PM - 11:00 PM	57.6	86.0	48.1
11:00 PM - 12:00 AM	50.1	80.6	45.6
12:00 AM - 01:00 AM	45.2	56.9	43.5
01:00 AM - 02:00 AM	52.1	82.2	45.2
02:00 AM - 03:00 AM	54.2	85.0	44.3
03:00 AM - 04:00 AM	54.8	82.5	43.0
04:00 AM - 05:00 AM	59.3	81.3	42.3
05:00 AM - 06:00 AM	61.4	83.2	45.6
06:00 AM - 07:00 AM	62.4	89.4	48.1
07:00 AM - 08:00 AM	57.6	80.0	46.3
08:00 AM - 09:00 AM	57.3	80.9	43.7
09:00 AM - 10:00 AM	58.6	87.9	45.1
Leq Average 24 hrs. (dB(A))	56.6		
Lmax (dB(A))		89.4	
L90 (dB(A))			44.6
Ldn (dB(A))	64.0		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supt S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408910-1

Sample Number	2270880-33
Parameter	Noise (Leq 24 hrs.)
Location	ฟาร์มไก่ที่อยู่ในรัศมีเกิน 1 กิโลเมตร แต่ไม่เกิน 2 กิโลเมตร จากที่ตั้งโครงการฯ จำนวน 1 ฟาร์ม (GPS 47P 689278, 1595192)
Measurement Date	Aug 05 - Aug 06, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 710645

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.8	88.5	44.9
11:00 AM - 12:00 PM	50.9	74.1	41.3
12:00 PM - 01:00 PM	54.3	88.1	39.5
01:00 PM - 02:00 PM	53.8	87.0	39.6
02:00 PM - 03:00 PM	52.7	75.4	43.9
03:00 PM - 04:00 PM	54.7	82.5	42.8
04:00 PM - 05:00 PM	58.0	88.5	44.5
05:00 PM - 06:00 PM	51.8	79.4	45.2
06:00 PM - 07:00 PM	47.6	69.8	44.1
07:00 PM - 08:00 PM	48.2	73.7	46.6
08:00 PM - 09:00 PM	47.4	62.0	46.6
09:00 PM - 10:00 PM	54.2	87.4	46.9
10:00 PM - 11:00 PM	63.3	93.6	47.1
11:00 PM - 12:00 AM	47.3	77.7	45.3
12:00 AM - 01:00 AM	45.0	55.9	44.0
01:00 AM - 02:00 AM	45.1	53.2	43.8
02:00 AM - 03:00 AM	50.6	82.9	43.8
03:00 AM - 04:00 AM	56.3	82.2	43.7
04:00 AM - 05:00 AM	58.1	81.7	43.1
05:00 AM - 06:00 AM	62.7	87.5	45.1
06:00 AM - 07:00 AM	58.7	87.9	46.9
07:00 AM - 08:00 AM	55.3	78.4	45.3
08:00 AM - 09:00 AM	51.4	73.0	44.1
09:00 AM - 10:00 AM	49.8	77.0	42.1
Leq Average 24 hrs. (dB(A))	55.9		
Lmax (dB(A))		93.6	
L90 (dB(A))			44.1
Ldn (dB(A))	64.2		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthanvrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408911-1

Sample Number	2270880-34
Parameter	Noise (Leq 24 hrs.)
Location	ฟาร์มไก่ที่อยู่ในรัศมีเกิน 1 กิโลเมตร แต่ไม่เกิน 2 กิโลเมตร จากที่ตั้งโครงการฯ จำนวน 1 ฟาร์ม (GPS 47P 689278, 1595192)
Measurement Date	Aug 06 - Aug 07, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 710645

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	57.4	86.4	41.9
11:00 AM - 12:00 PM	58.2	88.8	42.7
12:00 PM - 01:00 PM	50.7	79.2	42.1
01:00 PM - 02:00 PM	49.7	69.7	41.1
02:00 PM - 03:00 PM	51.2	71.3	41.9
03:00 PM - 04:00 PM	55.8	89.2	43.0
04:00 PM - 05:00 PM	57.5	85.6	44.9
05:00 PM - 06:00 PM	51.6	78.2	43.9
06:00 PM - 07:00 PM	65.0	77.8	43.0
07:00 PM - 08:00 PM	65.2	85.2	58.1
08:00 PM - 09:00 PM	59.9	73.2	59.0
09:00 PM - 10:00 PM	61.3	66.2	60.4
10:00 PM - 11:00 PM	58.5	64.0	56.9
11:00 PM - 12:00 AM	54.6	77.6	51.6
12:00 AM - 01:00 AM	52.8	77.8	50.4
01:00 AM - 02:00 AM	62.7	88.1	48.8
02:00 AM - 03:00 AM	62.9	85.4	49.6
03:00 AM - 04:00 AM	59.6	64.7	56.9
04:00 AM - 05:00 AM	64.1	78.7	61.9
05:00 AM - 06:00 AM	63.2	86.4	49.7
06:00 AM - 07:00 AM	59.3	81.1	48.7
07:00 AM - 08:00 AM	60.3	81.7	48.1
08:00 AM - 09:00 AM	54.1	76.6	46.5
09:00 AM - 10:00 AM	58.2	90.1	42.8
Leq Average 24 hrs. (dB(A))	60.2		
Lmax (dB(A))		90.1	
L90 (dB(A))			48.1
Ldn (dB(A))	67.3		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthanvrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270880
Date Received : Aug 09, 2022
Date Reported : Aug 18, 2022
Report Number: 2408912-1

Sample Number	2270880-35
Parameter	Noise (Leq 24 hrs.)
Location	ฟาร์มไก่ที่อยู่ในรัศมีเกิน 1 กิโลเมตร แต่ไม่เกิน 2 กิโลเมตร จากที่ตั้งโครงการฯ จำนวน 1 ฟาร์ม (GPS 47P 689278, 1595192)
Measurement Date	Aug 07 - Aug 08, 2022
Measurement by	Warakorn Pookrak
Sound Level meter	Serial No. 710645

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.7	67.7	43.1
11:00 AM - 12:00 PM	52.6	76.8	45.9
12:00 PM - 01:00 PM	52.5	76.9	45.0
01:00 PM - 02:00 PM	54.2	80.0	44.7
02:00 PM - 03:00 PM	53.9	80.3	44.1
03:00 PM - 04:00 PM	54.2	86.0	44.4
04:00 PM - 05:00 PM	58.4	87.1	41.9
05:00 PM - 06:00 PM	53.1	80.7	42.5
06:00 PM - 07:00 PM	49.9	71.7	43.9
07:00 PM - 08:00 PM	51.0	75.3	49.9
08:00 PM - 09:00 PM	61.3	87.3	49.8
09:00 PM - 10:00 PM	59.0	86.5	49.9
10:00 PM - 11:00 PM	55.1	89.8	48.7
11:00 PM - 12:00 AM	48.5	78.5	46.4
12:00 AM - 01:00 AM	47.8	58.4	45.9
01:00 AM - 02:00 AM	51.0	78.7	45.1
02:00 AM - 03:00 AM	48.1	61.8	45.4
03:00 AM - 04:00 AM	49.5	68.7	45.7
04:00 AM - 05:00 AM	51.8	75.5	44.2
05:00 AM - 06:00 AM	58.1	79.8	47.6
06:00 AM - 07:00 AM	58.8	86.3	50.5
07:00 AM - 08:00 AM	57.7	74.4	52.9
08:00 AM - 09:00 AM	55.8	73.7	49.7
09:00 AM - 10:00 AM	54.1	77.0	44.7
Leq Average 24 hrs. (dB(A))	55.2		
Lmax (dB(A))		89.8	
L90 (dB(A))			45.4
Ldn (dB(A))	60.8		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthanvrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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ภาคผนวก ค-6

คุณภาพน้ำผิวดิน

Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270979
Date Received : Aug 30, 2022
Date Reported : Sep 06, 2022
Report Number : 2338521-1

Sample Number	2270979-1
Sampled Date	Aug 30, 2022 9:45 AM
Sample Description	Surface Water
Location	คลองด้วยบา (คลองหนองงูเหลือม) : เหนือจุดระบายน้ำทิ้ง ของโครงการโรงไฟฟ้าหนองแซงขึ้นไป 500 เมตร
Date Analysis Commenced	Aug 31, 2022
Condition of Sample	Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Copper	mg/L	0.0003	0.0005	0.003	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
Iron	mg/L	0.003	0.005	2.19	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Lead	mg/L	0.0003	0.0005	0.001	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.0003	0.0005	0.14	≤1	≤1	Based on APHA (2017), 3125	Bangkok
Nickel	mg/L	0.0003	0.0005	0.002	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	0.006	≤1	≤1	Based on APHA (2017), 3125	Bangkok
Water Testing								
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	≤4	Based on APHA (2017), 5210 B	Bangkok
COD *	mg/L	1.5	5	15	No Standard	No Standard	Based on APHA (2017), 5220 D	Bangkok
Color *	Color unit	-	5	10	(a)	(a)	APHA (2017), 2120 B	Bangkok
pH at 25 degree C		-	-	7.8	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	No Standard	No Standard	APHA (2017), 4500-Cl(F)	Bangkok
Temperature *	Degree C	-	-	31.0	(c)	(c)	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	224	No Standard	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	65	No Standard	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampled By : Panupong Sansri

Remark :

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Approved by Sawitree N.
Sawitree Noisangiam
Manager

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Analysis / Test Report
TESTING
No.0009
Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS
Lot ID: 2270979
Date Received : Aug 30, 2022
Date Reported : Sep 06, 2022
Report Number : 2338521-1

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Sawitree Noisangiam
Manager
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Analysis / Test Report
TESTING
No.0009
Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS
Lot ID: 2270979
Date Received : Aug 30, 2022
Date Reported : Sep 06, 2022
Report Number : 2338521-1

Sample Number	2270979-2
Sampled Date	Aug 30, 2022 9:15 AM
Sample Description	Surface Water
Location	คลองด้วยบา (คลองหนองงูเหลือม) : จุดระบายน้ำทิ้ง ของโครงการโรงไฟฟ้าหนองแซง
Date Analysis Commenced	Aug 31, 2022
Condition of Sample	Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Copper	mg/L	0.0003	0.0005	0.002	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
Iron	mg/L	0.003	0.005	1.31	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Lead	mg/L	0.0003	0.0005	0.0006	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.0003	0.0005	0.20	≤1	≤1	Based on APHA (2017), 3125	Bangkok
Nickel	mg/L	0.0003	0.0005	0.002	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	0.01	≤1	≤1	Based on APHA (2017), 3125	Bangkok
Water Testing								
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	≤4	Based on APHA (2017), 5210 B	Bangkok
COD *	mg/L	1.5	5	24	No Standard	No Standard	Based on APHA (2017), 5220 D	Bangkok
Color *	Color unit	-	5	5	(a)	(a)	APHA (2017), 2120 B	Bangkok
pH at 25 degree C		-	-	7.8	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	No Standard	No Standard	APHA (2017), 4500-Cl(F)	Bangkok
Temperature *	Degree C	-	-	30.3	(c)	(c)	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	302	No Standard	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	34	No Standard	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampled By : Panupong Sansri

Remark :

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Approved by Sawitree N.
Sawitree Noisangiam
Manager
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Analysis / Test Report
TESTING
No.0009
Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS
Lot ID: 2270979
Date Received : Aug 30, 2022
Date Reported : Sep 06, 2022
Report Number : 2338521-1

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Sawitree Noisangiam
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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270979
Date Received : Aug 30, 2022
Date Reported : Sep 06, 2022
Report Number : 2338521-1

Sample Number	2270979-3
Sampled Date	Aug 30, 2022 9:25 AM
Sample Description	Surface Water
Location	คลองห้วยบา (คลองหนองงูเหลือม) : ท่าจุดระบายน้ำทิ้ง ของโครงการโรงไฟฟ้าหนองแซงลงไป 500 เมตร
Date Analysis Commenced	Aug 31, 2022
Condition of Sample	Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Copper	mg/L	0.0003	0.0005	0.004	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
Iron	mg/L	0.003	0.005	2.80	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Lead	mg/L	0.0003	0.0005	0.002	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.0003	0.0005	0.22	≤1	≤1	Based on APHA (2017), 3125	Bangkok
Nickel	mg/L	0.0003	0.0005	0.003	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	0.009	≤1	≤1	Based on APHA (2017), 3125	Bangkok
Water Testing								
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	≤4	Based on APHA (2017), 5210 B	Bangkok
COD *	mg/L	1.5	5	26	No Standard	No Standard	Based on APHA (2017), 5220 D	Bangkok
Color *	Color unit	-	5	10	(a)	(a)	APHA (2017), 2120 B	Bangkok
pH at 25 degree C		-	-	7.8	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	No Standard	No Standard	APHA (2017), 4500-Cl(F)	Bangkok
Temperature *	Degree C	-	-	30.0	(c)	(c)	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	206	No Standard	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	60	No Standard	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampled By : Panupong Sansri

Remark :

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Approved by Sawitree N.
Sawitree Noisangiam
Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270979
Date Received : Aug 30, 2022
Date Reported : Sep 06, 2022
Report Number : 2338521-1

- LOD : Limit of Detection
- "-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Sawitree Noisangiam
Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 22117338
Date Received : Nov 28, 2022
Date Reported : Dec 06, 2022
Report Number : 2442953-1

Sample Number	22117338-1
Sampled Date	Nov 28, 2022 12:10 PM
Sample Description	Surface Water
Location	คลองห้วยบา (คลองหนองงูเหลือม) : เหนือจุดระบายน้ำทิ้ง ของโครงการโรงไฟฟ้าหนองแซงขึ้นไป 500 เมตร
Date Analysis Commenced	Nov 29, 2022
Condition of Sample	Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Copper	mg/L	0.0003	0.0005	0.003	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Iron	mg/L	0.003	0.005	2.60	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.002	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.22	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.002	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.008	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

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Sawitree Noisangiam
Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 22117338
Date Received : Nov 28, 2022
Date Reported : Dec 06, 2022
Report Number : 2442953-1

Sample Number	22117338-1
Sampled Date	Nov 28, 2022 12:10 PM
Sample Description	Surface Water
Location	คลองห้วยบา (คลองหนองงูเหลือม) : เหนือจุดระบายน้ำทิ้ง ของโครงการโรงไฟฟ้าหนองแซงขึ้นไป 500 เมตร
Date Analysis Commenced	Nov 29, 2022
Condition of Sample	Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 degree C) *	mg/L	-	2	2	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Bangkok
COD *	mg/L	1.5	5	25	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Color *	Color unit	-	5	5	(a)	(a)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Bangkok
Temperature *	Degree C	-	-	31.1	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	200	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	70	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

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Approved by Sawitree N.
Sawitree Noisangiam
Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 22117338
Date Received : Nov 28, 2022
Date Reported : Dec 06, 2022
Report Number : 2442953-1

Sampled By : Teerawat Puangsuk

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditaton ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Sawitree Noisanglam
Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 22117338
Date Received : Nov 28, 2022
Date Reported : Dec 06, 2022
Report Number : 2442953-1

Sample Number	22117338-2
Sampled Date	Nov 28, 2022 12:30 PM
Sample Description	Surface Water
Location	คลองห้วยบา (คลองหนองงูเหลือม) : จุดระบายน้ำทิ้ง ของโครงการโรงไฟฟ้าหนองแซง
Date Analysis Commenced	Nov 29, 2022
Condition of Sample	Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Copper	mg/L	0.0003	0.0005	0.002	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Iron	mg/L	0.003	0.005	0.68	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	<0.0005	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.19	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.003	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.05	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

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Sawitree Noisanglam
Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 22117338
Date Received : Nov 28, 2022
Date Reported : Dec 06, 2022
Report Number : 2442953-1

Sample Number	22117338-2
Sampled Date	Nov 28, 2022 12:30 PM
Sample Description	Surface Water
Location	คลองห้วยบา (คลองหนองงูเหลือม) : จุดระบายน้ำทิ้ง ของโครงการโรงไฟฟ้าหนองแซง
Date Analysis Commenced	Nov 29, 2022
Condition of Sample	Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 degree C) *	mg/L	-	2	2	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Bangkok
COD *	mg/L	1.5	5	34	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Color *	Color unit	-	5	10	(a)	(a)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Bangkok
pH at 25 degree C		-	-	7.8	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Bangkok
Temperature *	Degree C	-	-	30.0	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	514	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	18	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

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Approved by Sawitree N.
Sawitree Noisanglam
Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 22117338
Date Received : Nov 28, 2022
Date Reported : Dec 06, 2022
Report Number : 2442953-1

Sampled By : Teerawat Puangsuk

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 22117338
Date Received : Nov 28, 2022
Date Reported : Dec 06, 2022
Report Number : 2442953-1

Sample Number	22117338-3
Sampled Date	Nov 28, 2022 12:45 PM
Sample Description	Surface Water
Location	คลองห้วยบ่า (คลองหนองงูเหลือม) : ท่ายจุดระบายน้ำทิ้ง ของโครงการโรงไฟฟ้าหนองแซงลงไป 500 เมตร
Date Analysis Commenced	Nov 29, 2022
Condition of Sample	Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Copper	mg/L	0.0003	0.0005	0.002	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Iron	mg/L	0.003	0.005	2.12	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.001	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.26	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.002	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.006	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

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Approved by Sawitree N.
Sawitree Noisanglam
Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 22117338
Date Received : Nov 28, 2022
Date Reported : Dec 06, 2022
Report Number : 2442953-1

Sample Number	22117338-3
Sampled Date	Nov 28, 2022 12:45 PM
Sample Description	Surface Water
Location	คลองห้วยบ่า (คลองหนองงูเหลือม) : ท่ายจุดระบายน้ำทิ้ง ของโครงการโรงไฟฟ้าหนองแซงลงไป 500 เมตร
Date Analysis Commenced	Nov 29, 2022
Condition of Sample	Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Bangkok
COD *	mg/L	1.5	5	5	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Color *	Color unit	-	5	10	(a)	(a)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Bangkok
pH at 25 degree C		-	-	7.7	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Bangkok
Temperature *	Degree C	-	-	30.7	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	296	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	64	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazettle, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
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(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

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Approved by Sawitree N.
Sawitree Noisanglam
Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 22117338
Date Received : Nov 28, 2022
Date Reported : Dec 06, 2022
Report Number : 2442953-1

Sampled By : Teerawat Puangsuk

Remark :
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Approved by Sawitree N.
Sawitree Noisanglam
Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270988
Date Received : Sep 05, 2022
Date Reported : Sep 12, 2022
Report Number : 2338532-1

Sample Number	2270988-1
Sampled Date	Sep 05, 2022 10:20 AM
Sample Description	Surface Water
Location	แม่น้ำป่าสัก : เหนือจุดสุดน้ำของโครงการโรงไฟฟ้าหนองแซง 200 เมตร
Date Analysis Commenced	Sep 06, 2022
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	≤4	Based on APHA (2017), 5210 B	Bangkok
COD *	mg/L	1.5	5	12	No Standard	No Standard	Based on APHA (2017), 5220 D	Bangkok
Color *	Color unit	-	5	10	(a)	(a)	APHA (2017), 2120 B	Bangkok
pH at 25 degree C		-	-	8.0	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	29.5	(c)	(c)	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	210	No Standard	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	75	No Standard	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazettle, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
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(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampled By : Panupong Sansri

Remark :
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- "-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
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Approved by Nant Somb
Nanthawadee Somboon
Specialist 1

Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270988
Date Received : Sep 05, 2022
Date Reported : Sep 12, 2022
Report Number : 2338532-1

Sample Number	2270988-2
Sampled Date	Sep 05, 2022 10:10 AM
Sample Description	Surface Water
Location	แม่น้ำป่าสัก : จุดสูบน้ำของโครงการโรงไฟฟ้าหนองแซง
Date Analysis Commenced	Sep 06, 2022
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	≤4	Based on APHA (2017), 5210 B	Bangkok
COD *	mg/L	1.5	5	12	No Standard	No Standard	Based on APHA (2017), 5220 D	Bangkok
Color *	Color unit	-	5	10	(a)	(a)	APHA (2017), 2120 B	Bangkok
pH at 25 degree C		-	-	8.0	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	29.6	(c)	(c)	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	210	No Standard	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	65	No Standard	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampled By : Panupong Sansri

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Approved by Nant Somb
Nanthawadee Somboon
Specialist 1

Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 2270988
Date Received : Sep 05, 2022
Date Reported : Sep 12, 2022
Report Number : 2338532-1

Sample Number	2270988-3
Sampled Date	Sep 05, 2022 10:00 AM
Sample Description	Surface Water
Location	แม่น้ำป่าสัก : ท้ายจุดสูบน้ำของโครงการโรงไฟฟ้าหนองแซง 200 เมตร
Date Analysis Commenced	Sep 06, 2022
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	≤4	Based on APHA (2017), 5210 B	Bangkok
COD *	mg/L	1.5	5	7	No Standard	No Standard	Based on APHA (2017), 5220 D	Bangkok
Color *	Color unit	-	5	15	(a)	(a)	APHA (2017), 2120 B	Bangkok
pH at 25 degree C		-	-	8.0	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	29.6	(c)	(c)	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	202	No Standard	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	61	No Standard	No Standard	Based on APHA (2017), 2540 D	Bangkok

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampled By : Panupong Sansri

Remark :
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Approved by Nant Somb
Nanthawadee Somboon
Specialist 1

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 22117342
Date Received : Nov 28, 2022
Date Reported : Dec 06, 2022
Report Number : 2442959-1

Sample Number	22117342-1
Sampled Date	Nov 28, 2022 1:45 PM
Sample Description	Surface Water
Location	แม่น้ำป่าสัก : เหนือจุดสูบน้ำของโครงการโรงไฟฟ้าหนองแซง 200 เมตร
Date Analysis Commenced	Nov 29, 2022
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Bangkok
COD *	mg/L	1.5	5	15	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Color *	Color unit	-	5	10	(a)	(a)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Bangkok
pH at 25 degree C		-	-	7.9	5.0-9.0	5.0-9.0	In - house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.5	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	182	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	58	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampled By : Teerawat Puangsuk

Remark :
- LOD : Limit of Detection

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Approved by Siriluk P.
Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 22117342
Date Received : Nov 28, 2022
Date Reported : Dec 06, 2022
Report Number : 2442959-1

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Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 22117342
Date Received : Nov 28, 2022
Date Reported : Dec 06, 2022
Report Number : 2442959-1

Sample Number	22117342-2
Sampled Date	Nov 28, 2022 1:30 PM
Sample Description	Surface Water
Location	แม่น้ำป่าสัก : จุดสูบน้ำของโครงการโรงไฟฟ้าหนองแซง
Date Analysis Commenced	Nov 29, 2022
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Bangkok
COD *	mg/L	1.5	5	21	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Color *	Color unit	-	5	10	(a)	(a)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	In - house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.5	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	190	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	50	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampled By : Teerawat Puangsuk

Remark :
- LOD : Limit of Detection

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Approved by Siriluk P.
Siriluk Puengpang
Supervisor

Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 22117342
Date Received : Nov 28, 2022
Date Reported : Dec 06, 2022
Report Number : 2442959-1

- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 22117342
Date Received : Nov 28, 2022
Date Reported : Dec 06, 2022
Report Number : 2442959-1

Sample Number	22117342-3
Sampled Date	Nov 28, 2022 1:15 PM
Sample Description	Surface Water
Location	แม่น้ำป่าสัก : ท่านจุดสูบน้ำของโครงการโรงไฟฟ้าหนองแซง 200 เมตร
Date Analysis Commenced	Nov 29, 2022
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Bangkok
COD *	mg/L	1.5	5	15	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Color *	Color unit	-	5	10	(a)	(a)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	In - house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.4	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	184	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	16	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampled By : Teerawat Puangsuk

Remark :
- LOD : Limit of Detection

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Approved by Siriluk P.
Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : #ญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location : GNS

Lot ID: 22117342
Date Received : Nov 28, 2022
Date Reported : Dec 06, 2022
Report Number : 2442959-1

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Approved by Siriluk P.
Siriluk Puengpang
Supervisor

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ภาคผนวก ค-7

คุณภาพน้ำทิ้ง

Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location: GNS

Lot ID: 2271011
Date Received : Aug 30, 2022
Date Reported : Sep 16, 2022
Report Number : 2431788-1 C14-1

Sample Number	2271011-1
Sampled Date	Aug 30, 2022 10:00 AM
Sample Description	Wastewater
Location	บ่อพักน้ำทิ้งของโครงการฯ ก่อนระบายน้ำออก
Date Analysis Commenced	Aug 31, 2022
Condition of Sample	Contained in two BOD bottles, two glass vials, four amber glass bottles and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.001	≤1	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Based on APHA (2017), 3500-Cr (B)	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.1	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.0003	0.0005	0.19	≤5	Based on APHA (2017), 3125	Bangkok
Nickel	mg/L	0.0003	0.0005	0.002	≤0.2	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	0.03	≤5.0	Based on APHA (2017), 3125	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	25	≤100	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.5	6.5-8.5	Based on APHA (2017), 4500-H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	APHA (2017), 4500-Cl(F)	Bangkok
Temperature *	Degree C	-	-	32.3	≤40	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	596	≤1300	Based on APHA (2017), 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤30	Based on APHA (2017), 2540 D	Bangkok

Guideline : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

Sampled By : Panupong Sansri

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Technical Management Sawitree N.
Sawitree Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-4709

Approved by Kanokkorn Anek
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location: GNS

Lot ID: 2271011
Date Received : Aug 30, 2022
Date Reported : Sep 16, 2022
Report Number : 2431788-2 C14-1

Sample Number	2271011-1
Sampled Date	Aug 30, 2022 10:00 AM
Sample Description	Wastewater
Location	บ่อพักน้ำทิ้งของโครงการฯ ก่อนระบายน้ำออก
Date Analysis Commenced	Aug 31, 2022
Condition of Sample	Contained in two BOD bottles, two glass vials, four amber glass bottles and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	0.51	No Standard	Based on APHA (2017), 3125	Bangkok

Guideline : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

Sampled By : Panupong Sansri

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Approved by Sawitree N.
Sawitree Noisangiam
Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location: GNS

Lot ID: 22117360
Date Received : Nov 28, 2022
Date Reported : Dec 07, 2022
Report Number : 2513138-1 C14-1

Sample Number	22117360-1
Sampled Date	Nov 28, 2022 11:00 AM
Sample Description	Wastewater
Location	ปอพักน้ำทิ้งของโครงการฯ ก่อนระบายน้ำออก
Date Analysis Commenced	Nov 29, 2022
Condition of Sample	Contained in two BOD bottles, two glass vials, four amber glass bottles and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.009	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	1.08	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.02	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	1.84	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	27	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok

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Approved by Kanokkorn Anek
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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location: GNS

Lot ID: 22117360
Date Received : Nov 28, 2022
Date Reported : Dec 07, 2022
Report Number : 2513138-1 C14-1

Sample Number	22117360-1
Sampled Date	Nov 28, 2022 11:00 AM
Sample Description	Wastewater
Location	ปอพักน้ำทิ้งของโครงการฯ ก่อนระบายน้ำออก
Date Analysis Commenced	Nov 29, 2022
Condition of Sample	Contained in two BOD bottles, two glass vials, four amber glass bottles and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *		-	-	6.9	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Bangkok
Temperature *	Degree C	-	-	27.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	804	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

Sampled By : Teerawat Puangsuk

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

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Approved by Kanokkorn Anek
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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP NS Co., Ltd.
36 Moo 4, Nong Kob, Nong Saeng, Saraburi Thailand 18170
P/O : สัญญาเลขที่4600001478
Project Name : Monitoring EIA
Project Location: GNS

Lot ID: 22117360
Date Received : Nov 28, 2022
Date Reported : Dec 07, 2022
Report Number : 2513138-2 C14-1

Sample Number	22117360-1
Sampled Date	Nov 28, 2022 11:00 AM
Sample Description	Wastewater
Location	บ่อพักน้ำทิ้งของโครงการฯ ก่อนระบายน้ำออก
Date Analysis Commenced	Nov 29, 2022
Condition of Sample	Contained in two BOD bottles, two glass vials, four amber glass bottles and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	0.25	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Guideline : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

Sampled By : Teerawat Puangsuk

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

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