

ภาคผนวก ข

เอกสารประกอบการปฏิบัติตามมาตรการป้องกัน
และแก้ไขผลกระทบสิ่งแวดล้อม

ภาคผนวก ข-1

สัญญาว่าจ้างผู้รับเหมาโครงการ

ORIGINAL

Execution Version

Gulf BL Company Limited

CONSTRUCTION CONTRACT
FOR

GBL PROJECT

BETWEEN

GULF BL COMPANY LIMITED
(OWNER)

AND

TOYO ENGINEERING CORPORATION
(CONTRACTOR)

CONSTRUCTION CONTRACT

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7.9 Contractor's Storage Areas

7.9.1 Contractor shall be responsible for provision of suitable temporary storage facilities including external hard standings.

7.9.2 The Site area given shall cover all construction activities including laydown, storage, fabrication, etc. If additional area is required for storage and construction off-site, Contractor shall be responsible for making his own arrangement.

7.10 Sign Boards

The erection of sign boards or posters will not be allowed without Owner's Representative's approval of the size, type, location, wording, etc.

7.11 Environmental and Noise Control, Site Cleanliness and Waste Disposal**7.11.1 General Compliance with EIA and Legal Requirements**


Contractor shall perform the Construction Contract Work in a manner that fully complies with the applicable environmental regulations and the approved EIA report.

7.11.2 Site Cleanliness and Waste Disposal

- (a) Throughout the period of construction of the Work, Contractor shall maintain the whole area of his operations in a clean, tidy and safe condition and shall arrange his materials in an orderly manner, all to the satisfaction of Owner's Representative. Contractor shall be responsible for waste collection and transfer to a suitable disposal site. Contractor shall clearly state, in the appropriate schedule, what provision is being made for disposal of waste materials both on and off-Site.
- (b) All rubbish, scrap and packing materials, etc. shall be systematically cleared from the working areas and, if not removed directly from the Site, shall be deposited at general collecting points provided by Contractor and agreed with Owner's Representative, pending removal from the Site.
- (c) Where practicable, screening shall be provided to prevent the ingress of dust and dirt to any part of the Work.
- (d) Contractor shall not cause pollution of the Site land drainage system or any water course by dumping rubbish, fill materials or waste products from any source whatsoever.
- (e) In the event of an incident whereby the pollution is attributable to any act or omission on the part of Contractor, then Contractor shall clear the pollution as soon as possible and make early plans to remedy the cause. Contractor shall prohibit the committing of nuisance by his employees within the Site or upon either Owner's land or others, and any employee found violating this provision shall be immediately discharged and not be employed again on the Construction Contract.
- (f) In addition to its obligations as stated in the Construction Contract and the Technical Specification, Contractor shall make himself familiar with all

ภาคผนวก ข-2

เอกสารการบำรุงรักษา ดูแลการทำงานของระบบหล่อเย็น



บริษัทการตรวจซ่อมมอเตอร์ไฟฟ้าแบบเดินเครื่องปกติ 3 เดือน

MOTOR INSPECTION SHEET 3M (NORMAL OPERATION)

FORM NO. _____

FW-MTN-ME-01-01 REV.01

EQUIPMENT NAME : MOTOR MAIN COOLING PUMP 2 PLANT : GBL PAGE : 1 OF 1

EQUIPMENT TAG (KKS CODE) : 2107-CG-10PAC-12AP001-M01 DATE : 16/07/2025 WORK ORDER NO. : 20320421

2107-CG-10PAC-12AP001-M01
TIME : 08:38:50
WORK PERMIT NO. : 2107004823

MOTOR DATA :
☐ LV MOTOR (AG)
 ☒ MV MOTOR (AG)
 ☐ DC MOTOR
 ☐ 3 Phase
 ☐ Single Phase

RATED POWER : 300 (kW) RATED CURRENT : 34.5 (A) RATED VOLTAGE : 6600 (V) MOTOR SPEED : _____ (RPM) INSULATION CLS : F

INSPECTION AND ACTIVITY

INTERVAL	DESCRIPTION	CRITERIA ACCEPTANCE	RESULT	REMARK
3 MONTHS	1. REGREASE DE _____ (g). NOISE _____ (g)	RANGE: 20 ~ 40g FOLLOW UP O&M MANUAL RECOMMEND	DE: 70.000 g NOISE: 50.000 g	REGREASE HAVE TO SUBJECT LAPTS NEW GREASE COME OUT * REGREASE HAVE TO FOLLOW O&M RECOMMEND
	2. NOISE AND SOUND	SOUND SHOULD BE SMOOTHLY NOT FOUND METAL SCRATCH	<input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> ABNORMAL	

MEASUREMENT AND RECORD DATA

INTERVAL	DESCRIPTION	ACCEPTANCE VALUE	ACTUAL VALUE	RESULT	REMARK		
3 MONTHS	1. MEASUREMENT RECORD CURRENT	± 1 RATED REF. NAME PLATE	AMP	I1 : 0.000 I2 : 0.000 AMP I3 : 0.000 Va : 0.000 Vb : 0.000 VOLT Vc : 0.000 Vd : 0.000	<input checked="" type="checkbox"/> ACCEPT <input type="checkbox"/> NOT ACCEPT	30.1 30.29.8	
			2. MEASUREMENT RECORD VOLTAGE	120 ± 10% 400 ± 10% 6000 ± 10%	6600 6602 6604		
			3. MEASUREMENT RECORD POWER	15% NAME PLATE	kW 0.000 kW	<input checked="" type="checkbox"/> ACCEPT <input type="checkbox"/> NOT ACCEPT	253
			4. MEASUREMENT RECORD TEMPERATURE	°C 80	°C 80	<input checked="" type="checkbox"/> ACCEPT <input type="checkbox"/> NOT ACCEPT	MOTOR DE SIDE MOTOR NOISE SIDE

Remark _____

REPORTED BY ELECTRICAL ENGINEER _____

APPROVE AND COMPLETED BY ELECTRICAL LEADER _____

FULL NAME : _____

DATE : 16/07/2025 DATE : 29/07/2025

FW-MTN-ME-01-01 REV.01

FW-MTN-ME-01-02 REV.01


	บริษัทการตรวจสอบเครื่องมือไฟฟ้าแบบบูรณาการสยามและงาน (หมู่เดิมเครื่อง)	FORM NO.
MOTOR INSPECTION SHEET (SHUT DOWN)		FW-MTN-ME-01-02 REV.01
EQUIPMENT NAME : MOTOR AUXILIARY COOLING WATER PUMP 1	PLANT : GBL	PAGE : 1 OF 1
EQUIPMENT TAG (KKS CODE) : 2107-CG-10PCC11AP001-M01	DATE : 16/07/2025	WORK ORDER NO. : 20320442
<div style="border: 1px solid black; padding: 2px; display: inline-block;">2 1 9 7 - C G - 1 0 P C C 1 1 A P 0 1</div>	TIME : 13:06:10	WORK PERMIT NO. : 2107004827
MOTOR DATA : <input checked="" type="checkbox"/> LV MOTOR (AC) <input type="checkbox"/> MV MOTOR (AC) <input type="checkbox"/> DC MOTOR <input type="checkbox"/> 3 Phase <input type="checkbox"/> Single Phase		
RATED POWER : 75 (kW)	RATED CURRENT : 133.8 (A)	RATED VOLTAGE : 400 (V)
		MOTOR SPEED _____ (RPM)
		INSULATION CLS. _____ F

INTERVAL	DESCRIPTION	CRITERIA ACCEPTANCE	RESULT	REMARK	
GENERAL	1	INSPECT INSIDE TERMINAL BOX	NO SAGGET DAMAGE OR FASTENER LOOSE NO CORROSION OR WATER LEAKAGE. ETCAN	<input type="checkbox"/> NORMAL <input type="checkbox"/> ABNORMAL <input type="checkbox"/> N/A	
	2	INSPECTION POWER CABLE	POWER CABLE TERMINATION NO DAMAGE, LOOSE , CORROSION OR OXIDIZATION	<input type="checkbox"/> NORMAL <input type="checkbox"/> ABNORMAL <input type="checkbox"/> N/A	
	3	INSPECTION AND RE-TIGHTENH	CABLE CONNECTION NOT LOOSEN	<input type="checkbox"/> NORMAL <input type="checkbox"/> ABNORMAL <input type="checkbox"/> N/A	
	4	INSPECTION CABLE GLAND	NOT LOOSEN	<input type="checkbox"/> NORMAL <input type="checkbox"/> ABNORMAL <input type="checkbox"/> N/A	
	5	TIGHTEN GROUND CONNECTION	BOLTS/NUT NOT LOOSEN	<input type="checkbox"/> NORMAL <input type="checkbox"/> ABNORMAL <input type="checkbox"/> N/A	
	6	INSPECTION DC MOTOR CARBON BRUSH	NO DAMAGE, LOOSE, NO SHORTEN	<input type="checkbox"/> NORMAL <input type="checkbox"/> ABNORMAL <input checked="" type="checkbox"/> N/A	"ONLY FOR DC MOTOR"
	7	WAKE SURE POLARITY OR PHASE SEQUENCE BEFORE ASSEMBLY THE CABLE	SAME AS BEFORE DISASSEMBLY	<input type="checkbox"/> NORMAL <input type="checkbox"/> ABNORMAL <input type="checkbox"/> N/A	

MEASUREMENT AND RECORD DATA						
INTERVAL	DESCRIPTION	ACCEPTANCE VALUE	ACTUAL VALUE	RESULT	REMARK	
SPECIAL	1	MOTOR INSULATION RESISTANCE TEST	$\geq \frac{1}{k} \times \frac{U_{0-100}}{U}$ $> 75 \text{ M}\Omega$	U/S : - V/G : - MΩ	<input type="checkbox"/> ACCEPT <input type="checkbox"/> NOT ACCEPT <input type="checkbox"/> N/A	
	2	MOTOR WINDING RESISTANCE TEST	$\sim 1\%$ EACH PHASE	W/G : - U1-U2 : - V1-W2 : - Ω	<input type="checkbox"/> ACCEPT <input type="checkbox"/> NOT ACCEPT <input type="checkbox"/> N/A	
	3	MOTOR WINDING TEMPERATURE SENSOR (AC MOTOR)	Real Temperature	U : - V : - Ω	<input type="checkbox"/> ACCEPT <input type="checkbox"/> NOT ACCEPT <input type="checkbox"/> N/A	
	4	MOTOR WINDING TEMPERATURE SENSOR (DC MOTOR)	Real Temperature	W : - V+ : - V- : - Ω	<input type="checkbox"/> ACCEPT <input type="checkbox"/> NOT ACCEPT <input checked="" type="checkbox"/> N/A	"ONLY FOR DC MOTOR"
	5	MEASUREMENT SPACE HEATER RESISTANCE	$\sim 0.1\%$ Ω	H1 : - H2 : - Ω	<input type="checkbox"/> ACCEPT <input type="checkbox"/> NOT ACCEPT <input type="checkbox"/> N/A	
	6	MEASUREMENT SPACE HEATER CURRENT	$\sim 0.1\%$ Amp	H1 : - H2 : - AMP	<input type="checkbox"/> ACCEPT <input type="checkbox"/> NOT ACCEPT <input type="checkbox"/> N/A	"DEPEND ON L OR B PHASE POWER SUPPLY"

Remark : Outsoure report


REPORTED BY ELECTRICAL ENGINEER	APPROVE AND COMPLETED BY ELECTRICAL LEADER
FULL NAME :	FULL NAME :
DATE : 16/07/2025	DATE : 29/07/2025




WORK ORDER

Preventive Maintenance

Work Order **20320452**



Notification **10417838**



General

Main Work Center MI1-GBL - Instrument

PM Activity Type PM1-PM-Time base

Revision

Reference Object

Functional Location 2107-CG-10GMA30CQ002

Equipment

Warranty Expire Date

Requested For

Priority 3-Routine (30 Days)

Requested Date 01-Jul-2025 03:30

Status REL **Status Date** 31-Jul-2025 14:23

CT BLOWDOWN PUMP DISCHARGE CONDUCTIVITY

	Date	Start	End	Duration (Hrs)
CONDUCTIVITY ANALYZER INSPECTION (1M).....	Notif. Require	01-Jul-2025	31-Jul-2025	184.0
.....	Order Basic	01-Jul-2025	01-Jul-2025	8.0
.....	Order Actual			0.0

Responsibilities

Requested By

Responsible By

Lead Engineer

Work Instruction

Maintenance Plan I207CQ11-001 CONDUCTIVITY ANALYZER

Task List I207CQ11 CONDUCTIVITY ANALYZE

Planned Labor

Op#	SOp#	Description	Work (Hrs)	No.	Duration (Hrs)	PR No.	Remark (If abnormal)
0010		CONDUCTIVITY ANALYZE INSPECTION (1M)	1.4	1	1.4		
0010	0010	RECORD DATA BEFORE CALIBRATION	0.1	1	0.1		
0010	0020	HOLD LAST VALUE OF ANALYZER	0.1	1	0.1		
0010	0030	REMOVE CONDUCTIVITY SENSOR FOR CLEAN	0.1	1	0.1		
0010	0040	CALIBRATION TEMP. SENSOR OF ANALYZER	0.1	1	0.1		
0010	0050	CALIBRATION ANALYZER ZERO IN AIR	0.5	1	0.5		
0010	0060	CALIBRATION ANALYZER WITH BUFFER	0.1	1	0.1		
0010	0070	RECORD DATA ON CHECK SHEET	0.2	1	0.2		
0010	0080	REINSTALLATION CONDUCTIVITY SENSOR	0.1	1	0.1		
0010	0090	CHECK CONDITION OF CABLE AFTER INSTALL	0.1	1	0.1		
Total Operation Duration						1.4	



WORK ORDER
Preventive Maintenance

Work Order **20320452**



Notification **10417838**



Note: (Other Comment)

Reported By		Accepted By	Completed By
Sign	:		
Name	:		
Date	:	30 JUL 2025	29 JUL 2025



WORK ORDER
Preventive Maintenance

Work Order **20320452**



Notification **10417838**



Object List

No	Functional Location	Func. Loc. Description	Equipment	Manufacturer Serial Number	Notification
1	2107-CG-10GMB30CQ002	WW DISCHARGE COND.			
2	2107-CG-10PAB35CQ002	MCW SUPPLY CONDUCT			



WORK ORDER
Preventive Maintenance

Work Order **20320486**



Notification **10417872**



General

Main Work Center	MI1-GBL - Instrument	Priority	3-Routine (30 Days)
PM Activity Type	PM1-PM-Time base	Requested Date	01-Jul-2025 03:30
Revision		Status	REL Status Date 31-Jul-2025 14:23

Reference Object

Functional Location	2107-CG-10QUA27CQ001	PH AFTER CONDENSER
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Equipment

Warranty Expire Date

Requested For	Date	Start	End	Duration (Hrs)
PH ANALYZER INSPECTION (1M)	Notif. Require	01-Jul-2025	31-Jul-2025	184.0
	Order Basic	01-Jul-2025	01-Jul-2025	8.0
	Order Actual			0.0

Responsibilities

Work Instruction

Requested By	Maintenance Plan	I207CQ12-002	PH ANALYZER INSPECTION
Responded By	Task List	I207CQ12	PH ANALYZER INSPECTION

Lead Engineer

Planned Labor

Op#	SO#	Description	Work (Hrs)	No.	Duration (Hrs)	PR No.	Remark (if abnormal)
0010		PH ANALYZER INSPECTION (1M)	1.2	1	1.2		
0010	0010	RECORD DATA BEFORE CALIBRATION	0.1	1	0.1		
0010	0020	HOLD LAST VALUE OF ANALYZER	0.1	1	0.1		
0010	0030	REMOVE PH SENSOR FOR CLEAN	0.1	1	0.1		
0010	0040	CALIBRATION TEMP. SENSOR OF ANALYZER	0.1	1	0.1		
0010	0050	CALIBRATION ANALYZER WITH BUFFER	0.5	1	0.5		
0010	0060	RECORD DATA ON CHECK SHEET	0.1	1	0.1		
0010	0070	REINSTALLATION PH SENSOR	0.1	1	0.1		
0010	0080	CHECK CONDITION OF CABLE AFTER INSTALL	0.1	1	0.1		
Total Operation Duration					1.2		

Damage / Problem

Cause

Activity



WORK ORDER
Preventive Maintenance

Work Order **20320486**



Notification **10417872**



Note: (Other Comment)

Reported By		Accepted By	Completed By
Sign	:		
Name	:		
Date	:	30 JUL 2025	29 JUL 2025



WORK ORDER

Preventive Maintenance

Work Order 20320486



Notification 10417872



Object List

No	Functional Location	Func. Loc. Description	Equipment	Manufacturer Serial Number	Notification
1	2107-CG-10PAB35CQ001	MCW SUPPLY PH			



WORK ORDER

Preventive Maintenance

Work Order 20322902



Notification 10420492



General

Main Work Center	MI1-GBL - Instrument	Priority	3-Routine (30 Days)
PM Activity Type	PM1-PM-Time base	Requested Date	01-Aug-2025 03:30
Revision		Status	REL
		Status Date	29-Aug-2025 11:23

Reference Object

Functional Location	2107-CG-10GMA30CQ002	CT BLOWDOWN PUMP DISCHARGE CONDUCTIVITY
Equipment		
Warranty Expire Date		

Requested For	Date	Start	End	Duration (Hrs)
CONDUCTIVITY ANALYZER INSPECTION (1M)	Notif. Require	01-Aug-2025	31-Aug-2025	168.0
	Order Basic	01-Aug-2025	01-Aug-2025	8.0
	Order Actual			0.0

Responsibilities

Requested By	Maintenance Plan	I207CQ11-001	CONDUCTIVITY ANALYZER
Responded By	Task List	I207CQ11	CONDUCTIVITY ANALYZE
Lead Engineer			

Planned Labor

Op#	SOp#	Description	Work (Hrs)	No.	Duration (Hrs)	PR No.	Remark (If abnormal)
0010		CONDUCTIVITY ANALYZE INSPECTION (1M)	1.4	1	1.4		
0010	0010	RECORD DATA BEFORE CALIBRATION	0.1	1	0.1		
0010	0020	HOLD LAST VALUE OF ANALYZER	0.1	1	0.1		
0010	0030	REMOVE CONDUCTIVITY SENSOR FOR CLEAN	0.1	1	0.1		
0010	0040	CALIBRATION TEMP. SENSOR OF ANALYZER	0.1	1	0.1		
0010	0050	CALIBRATION ANALYZER ZERO IN AIR	0.5	1	0.5		
0010	0060	CALIBRATION ANALYZER WITH BUFFER	0.1	1	0.1		
0010	0070	RECORD DATA ON CHECK SHEET	0.2	1	0.2		
0010	0080	REINSTALLATION CONDUCTIVITY SENSOR	0.1	1	0.1		
0010	0090	CHECK CONDITION OF CABLE AFTER INSTALL	0.1	1	0.1		
Total Operation Duration					1.4		

Damage / Problem

Cause

Activity



WORK ORDER

Preventive Maintenance

Work Order 20322902



Notification 10420492



Note: (Other Comment)

Reported By	Accepted By	Completed By
Sign : Name : Date : 29 AUG 2025	 Date : 28 AUG 2025	 Date : 29 AUG 2025



WORK ORDER

Preventive Maintenance

Work Order 20322902



Notification 10420492



Object List

No	Functional Location	Func. Loc. Description	Equipment	Manufacturer Serial Number	Notification
1	2107-CG-10GMB30CQ002	WW DISCHARGE COND.			
2	2107-CG-10PAB35CQ002	MCW SUPPLY CONDUCT			



WORK ORDER

Preventive Maintenance

Work Order 20322920



Notification 10420510



General

Main Work Center	MI1-GBL - Instrument	Priority	3-Routine (30 Days)
PM Activity Type	PM1-PM-Time base	Requested Date	01-Aug-2025 03:30
Revision		Status	REL Status Date 29-Aug-2025 11:23

Reference Object

Functional Location	2107-CG-10QUA27CQ001	PH AFTER CONDENSER
Equipment		
Warranty Expire Date		

Requested For	Date	Start	End	Duration (Hrs)
PH ANALYZER INSPECTION (1M)	Notif. Require	01-Aug-2025	31-Aug-2025	168.0
	Order Basic	01-Aug-2025	01-Aug-2025	8.0
	Order Actual			0.0

Responsibilities

Requested By	Maintenance Plan	I207CQ12-002	PH ANALYZER INSPECTION
Responded By	Task List	I207CQ12	PH ANALYZER INSPECTION
Lead Engineer			

Planned Labor

Op#	SO#	Description	Work (Hrs)	No.	Duration (Hrs)	PR No.	Remark (If abnormal)
0010		PH ANALYZER INSPECTION (1M)	1.2	1	1.2		
0010	0010	RECORD DATA BEFORE CALIBRATION	0.1	1	0.1		
0010	0020	HOLD LAST VALUE OF ANALYZER	0.1	1	0.1		
0010	0030	REMOVE PH SENSOR FOR CLEAN	0.1	1	0.1		
0010	0040	CALIBRATION TEMP. SENSOR OF ANALYZER	0.1	1	0.1		
0010	0050	CALIBRATION ANALYZER WITH BUFFER	0.5	1	0.5		
0010	0060	RECORD DATA ON CHECK SHEET	0.1	1	0.1		
0010	0070	REINSTALLATION PH SENSOR	0.1	1	0.1		
0010	0080	CHECK CONDITION OF CABLE AFTER INSTALL	0.1	1	0.1		
Total Operation Duration					1.2		

Damage / Problem

Cause

Activity

1 / 3



WORK ORDER

Preventive Maintenance

Work Order 20322920



Notification 10420510



Note: (Other Comment)

Reported By		Accepted By		Completed By	
Sign	:				
Name	:				
Date	:	29 AUG 2025	Date	:	28 AUG 2025
			Date	:	29 AUG 2025

2 / 3



WORK ORDER

Preventive Maintenance

Work Order 20322920



Notification 10420510



Object List

No	Functional Location	Func. Loc. Description	Equipment	Manufacturer Serial Number	Notification
1	2107-CG-10PAB35CQ001	MCW SUPPLY PH			



WORK ORDER

Preventive Maintenance

Work Order 20324834



Notification 10422542



General

Main Work Center	MI1-GBL - Instrument	Priority	3-Routine (30 Days)
PM Activity Type	PM1-PM-Time base	Requested Date	01-Sep-2025 03:30
Revision		Status	TECO Status Date 30-Sep-2025 17:23

Reference Object

Functional Location	2107-CG-10GMA30CQ002	CT BLOWDOWN PUMP DISCHARGE CONDUCTIVITY
Equipment		
Warranty Expire Date		

Requested For	Date	Start	End	Duration (Hrs)
CONDUCTIVITY ANALYZER INSPECTION (1M)	Notif. Require	01-Sep-2025	01-Oct-2025	184.0
	Order Basic	01-Sep-2025	01-Sep-2025	8.0
	Order Actual	30-Sep-2025	30-Sep-2025	8.0

Responsibilities

Requested By	Maintenance Plan	I207CQ11-001	CONDUCTIVITY ANALYZER
Responded By	Task List	I207CQ11	CONDUCTIVITY ANALYZE
Lead Engineer			

Planned Labor

Op#	SO#	Description	Work (Hrs)	No.	Duration (Hrs)	PR No.	Remark (If abnormal)
0010		CONDUCTIVITY ANALYZE INSPECTION (1M)	1.4	1	1.4		
0010	0010	RECORD DATA BEFORE CALIBRATION	0.1	1	0.1		
0010	0020	HOLD LAST VALUE OF ANALYZER	0.1	1	0.1		
0010	0030	REMOVE CONDUCTIVITY SENSOR FOR CLEAN	0.1	1	0.1		
0010	0040	CALIBRATION TEMP. SENSOR OF ANALYZER	0.1	1	0.1		
0010	0050	CALIBRATION ANALYZER ZERO IN AIR	0.5	1	0.5		
0010	0060	CALIBRATION ANALYZER WITH BUFFER	0.1	1	0.1		
0010	0070	RECORD DATA ON CHECK SHEET	0.2	1	0.2		
0010	0080	REINSTALLATION CONDUCTIVITY SENSOR	0.1	1	0.1		
0010	0090	CHECK CONDITION OF CABLE AFTER INSTALL	0.1	1	0.1		
Total Operation Duration					1.4		

Damage / Problem

Cause

Activity

3 / 3

1 / 3



WORK ORDER
Preventive Maintenance

Work Order 20324834



Notification 10422542



Note: (Other Comment)

Reported By		Accepted By		Completed By	
Sign					
Name					
Date	: 30 SEP 2025	Date	: 29 SEP 2025	Date	: 30 SEP 2025



WORK ORDER
Preventive Maintenance

Work Order 20324834



Notification 10422542



Object List

No	Functional Location	Func. Loc. Description	Equipment	Manufacturer Serial Number	Notification
1	2107-CG-10GMB30CQ002	WW DISCHARGE COND.			
2	2107-CG-10PAB35CQ002	MCW SUPPLY CONDUCT			



WORK ORDER
Preventive Maintenance

Work Order 20324895



Notification 10422603



General

Main Work Center	MI1-GBL - Instrument	Priority	3-Routine (30 Days)		
PM Activity Type	PM1-PM-Time base	Requested Date	01-Sep-2025 03:30		
Revision		Status	TECO	Status Date	30-Sep-2025 17:23

Reference Object

Functional Location	2107-CG-10QUA27CQ001	PH AFTER CONDENSER
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Equipment

Warranty Expire Date

Requested For	Date	Start	End	Duration (Hrs)
PH ANALYZER INSPECTION (1M)	Notif. Require	01-Sep-2025	01-Oct-2025	184.0
	Order Basic	01-Sep-2025	01-Sep-2025	8.0
	Order Actual	30-Sep-2025	30-Sep-2025	8.0

Responsibilities

Work Instruction

Requested By	Maintenance Plan	I207CQ12-002	PH ANALYZER INSPECTION
Responded By	Task List	I207CQ12	PH ANALYZER INSPECTION

Lead Engineer

Planned Labor

Op#	SO#	Description	Work (Hrs)	No.	Duration (Hrs)	PR No.	Remark (if abnormal)
0010		PH ANALYZER INSPECTION (1M)	1.2	1	1.2		
0010	0010	RECORD DATA BEFORE CALIBRATION	0.1	1	0.1		
0010	0020	HOLD LAST VALUE OF ANALYZER	0.1	1	0.1		
0010	0030	REMOVE PH SENSOR FOR CLEAN	0.1	1	0.1		
0010	0040	CALIBRATION TEMP. SENSOR OF ANALYZER	0.1	1	0.1		
0010	0050	CALIBRATION ANALYZER WITH BUFFER	0.5	1	0.5		
0010	0060	RECORD DATA ON CHECK SHEET	0.1	1	0.1		
0010	0070	REINSTALLATION PH SENSOR	0.1	1	0.1		
0010	0080	CHECK CONDITION OF CABLE AFTER INSTALL	0.1	1	0.1		
Total Operation Duration					1.2		

Damage / Problem

Cause

Activity



WORK ORDER
Preventive Maintenance

Work Order 20324895



Notification 10422603



Note: (Other Comment)

Reported By		Accepted By		Completed By	
Sign	:				
Name	:				
Date	: 30 SEP 2025	Date	: 29 SEP 2025	Date	: 30 SEP 2025



WORK ORDER

Preventive Maintenance

Work Order 20324895



Notification 10422603



Object List

No	Functional Location	Func. Loc. Description	Equipment	Manufacturer Serial Number	Notification
1	2107-CG-10PAB35CQ001	MCW SUPPLY PH			

3 / 3



WORK ORDER

Preventive Maintenance

Work Order 20326735



Notification 10424634



General

Main Work Center	MI1-GBL - Instrument	Priority	3-Routine (30 Days)
PM Activity Type	PM1-PM-Time base	Requested Date	01-Oct-2025 03:30
Revision		Status	REL
		Status Date	30-Oct-2025 17:23

Reference Object

Functional Location	2107-CG-10GMA30CQ002	CT BLOWDOWN PUMP DISCHARGE CONDUCTIVITY
Equipment		
Warranty Expire Date		

Requested For	Date	Start	End	Duration (Hrs)
CONDUCTIVITY ANALYZER INSPECTION (1M)	Notif. Require	01-Oct-2025	31-Oct-2025	176.0
	Order Basic	01-Oct-2025	01-Oct-2025	8.0
	Order Actual			0.0

Responsibilities

Requested By	Maintenance Plan	I207CQ11-001	CONDUCTIVITY ANALYZER
Responded By	Task List	I207CQ11	CONDUCTIVITY ANALYZE
Lead Engineer			

Planned Labor

Op#	SOp#	Description	Work (Hrs)	No.	Duration (Hrs)	PR No.	Remark (If abnormal)
0010		CONDUCTIVITY ANALYZE INSPECTION (1M)	1.4	1	1.4		
0010	0010	RECORD DATA BEFORE CALIBRATION	0.1	1	0.1		
0010	0020	HOLD LAST VALUE OF ANALYZER	0.1	1	0.1		
0010	0030	REMOVE CONDUCTIVITY SENSOR FOR CLEAN	0.1	1	0.1		
0010	0040	CALIBRATION TEMP. SENSOR OF ANALYZER	0.1	1	0.1		
0010	0050	CALIBRATION ANALYZER ZERO IN AIR	0.5	1	0.5		
0010	0060	CALIBRATION ANALYZER WITH BUFFER	0.1	1	0.1		
0010	0070	RECORD DATA ON CHECK SHEET	0.2	1	0.2		
0010	0080	REINSTALLATION CONDUCTIVITY SENSOR	0.1	1	0.1		
0010	0090	CHECK CONDITION OF CABLE AFTER INSTALL	0.1	1	0.1		
Total Operation Duration					1.4		

Damage / Problem

Cause

Activity

1 / 3



WORK ORDER

Preventive Maintenance

Work Order 20326735



Notification 10424634



Note: (Other Comment)

Reported By	Accepted By	Completed By
Sign		
Name		
Date : 30 OCT 2025	Date : 28 OCT 2025	Date : 30 OCT 2025

2 / 3



WORK ORDER

Preventive Maintenance

Work Order 20326735



Notification 10424634



Object List

No	Functional Location	Func. Loc. Description	Equipment	Manufacturer Serial Number	Notification
1	2107-CG-10GMB30CQ002	WW DISCHARGE COND.			
2	2107-CG-10PAB35CQ002	MCW SUPPLY CONDUCT			

3 / 3



WORK ORDER

Preventive Maintenance

Work Order 20326812



Notification 10424711



General

Main Work Center	MI1-GBL - Instrument	Priority	3-Routine (30 Days)		
PM Activity Type	PM1-PM-Time base	Requested Date	01-Oct-2025 03:30		
Revision		Status	REL	Status Date	30-Oct-2025 17:23

Reference Object

Functional Location	2107-CG-10QUA27CQ001	PH AFTER CONDENSER
Equipment		
Warranty Expire Date		

Requested For	Date	Start	End	Duration (Hrs)
PH ANALYZER INSPECTION (1M)	Notif. Require	01-Oct-2025	31-Oct-2025	176.0
	Order Basic	01-Oct-2025	01-Oct-2025	8.0
	Order Actual			0.0

Responsibilities

Requested By	Maintenance Plan	I207CQ12-002	PH ANALYZER INSPECTION
Responded By	Task List	I207CQ12	PH ANALYZER INSPECTION
Lead Engineer			

Planned Labor

Op#	SOp#	Description	Work (Hrs)	No.	Duration (Hrs)	PR No.	Remark (If abnormal)
0010		PH ANALYZER INSPECTION (1M)	1.2	1	1.2		
0010	0010	RECORD DATA BEFORE CALIBRATION	0.1	1	0.1		
0010	0020	HOLD LAST VALUE OF ANALYZER	0.1	1	0.1		
0010	0030	REMOVE PH SENSOR FOR CLEAN	0.1	1	0.1		
0010	0040	CALIBRATION TEMP. SENSOR OF ANALYZER	0.1	1	0.1		
0010	0050	CALIBRATION ANALYZER WITH BUFFER	0.5	1	0.5		
0010	0060	RECORD DATA ON CHECK SHEET	0.1	1	0.1		
0010	0070	REINSTALLATION PH SENSOR	0.1	1	0.1		
0010	0080	CHECK CONDITION OF CABLE AFTER INSTALL	0.1	1	0.1		
Total Operation Duration					1.2		

Damage / Problem

Cause

Activity



WORK ORDER

Preventive Maintenance

Work Order 20326812



Notification 10424711



Note: (Other Comment)

Reported By		Accepted By		Completed By	
Sign					
Name					
Date	: 30 OCT 2025	Date	: 28 OCT 2025	Date	: 30 OCT 2025



WORK ORDER

Preventive Maintenance

Work Order 20326812



Notification 10424711



Object List

No	Functional Location	Func. Loc. Description	Equipment	Manufacturer Serial Number	Notification
1	2107-CG-10PAB35CQ001	MCW SUPPLY PH			



WORK ORDER

Preventive Maintenance

Work Order 20329038



Notification 10427091



General

Main Work Center	MI1-GBL - Instrument	Priority	3-Routine (30 Days)		
PM Activity Type	PM1-PM-Time base	Requested Date	01-Nov-2025 03:30		
Revision		Status	REL	Status Date	29-Nov-2025 15:23

Reference Object

Functional Location	2107-CG-10GMA30CQ002	CT BLOWDOWN PUMP DISCHARGE CONDUCTIVITY
Equipment		
Warranty Expire Date		

Requested For	Date	Start	End	Duration (Hrs)
CONDUCTIVITY ANALYZER INSPECTION (1M)	Notif. Require	01-Nov-2025	01-Dec-2025	176.0
	Order Basic	03-Nov-2025	03-Nov-2025	8.0
	Order Actual			0.0

Responsibilities

Requested By	Maintenance Plan	I207CQ11-001	CONDUCTIVITY ANALYZER
Responded By	Task List	I207CQ11	CONDUCTIVITY ANALYZE
Lead Engineer			

Planned Labor

Op#	SOp#	Description	Work (Hrs)	No.	Duration (Hrs)	PR No.	Remark (If abnormal)
0010		CONDUCTIVITY ANALYZE INSPECTION (1M)	1.4	1	1.4		
0010	0010	RECORD DATA BEFORE CALIBRATION	0.1	1	0.1		
0010	0020	HOLD LAST VALUE OF ANALYZER	0.1	1	0.1		
0010	0030	REMOVE CONDUCTIVITY SENSOR FOR CLEAN	0.1	1	0.1		
0010	0040	CALIBRATION TEMP. SENSOR OF ANALYZER	0.1	1	0.1		
0010	0050	CALIBRATION ANALYZER ZERO IN AIR	0.5	1	0.5		
0010	0060	CALIBRATION ANALYZER WITH BUFFER	0.1	1	0.1		
0010	0070	RECORD DATA ON CHECK SHEET	0.2	1	0.2		
0010	0080	REINSTALLATION CONDUCTIVITY SENSOR	0.1	1	0.1		
0010	0090	CHECK CONDITION OF CABLE AFTER INSTALL	0.1	1	0.1		
Total Operation Duration					1.4		

Damage / Problem

Cause

Activity



WORK ORDER
Preventive Maintenance

Work Order 20329038



Notification 10427091



Note: (Other Comment)

Reported By		Accepted By		Completed By	
Sign					
Name					
Date	: 28 NOV 2025	Date	: 27 NOV 2025	Date	: 29 NOV 2025



WORK ORDER
Preventive Maintenance

Work Order 20329038



Notification 10427091



Object List

No	Functional Location	Func. Loc. Description	Equipment	Manufacturer Serial Number	Notification
1	2107-CG-10GMB30CQ002	WW DISCHARGE COND.			
2	2107-CG-10PAB35CQ002	MCW SUPPLY CONDUCT			



WORK ORDER
Preventive Maintenance

Work Order 20329059



Notification 10427112



General

Main Work Center	MI1-GBL - Instrument	Priority	3-Routine (30 Days)
PM Activity Type	PM1-PM-Time base	Requested Date	01-Nov-2025 03:30
Revision		Status	REL Status Date 29-Nov-2025 15:23

Reference Object

Functional Location	2107-CG-10QUA27CQ001	PH AFTER CONDENSER
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Equipment

Warranty Expire Date

Requested For	Date	Start	End	Duration (Hrs)
PH ANALYZER INSPECTION (1M)	Notif. Require	01-Nov-2025	01-Dec-2025	176.0
	Order Basic	03-Nov-2025	03-Nov-2025	8.0
	Order Actual			0.0

Responsibilities

Work Instruction

Requested By	Maintenance Plan	I207CQ12-002	PH ANALYZER INSPECTION
Responded By	Task List	I207CQ12	PH ANALYZER INSPECTION

Lead Engineer

Planned Labor

Op#	SO#	Description	Work (Hrs)	No.	Duration (Hrs)	PR No.	Remark (if abnormal)
0010		PH ANALYZER INSPECTION (1M)	1.2	1	1.2		
0010	0010	RECORD DATA BEFORE CALIBRATION	0.1	1	0.1		
0010	0020	HOLD LAST VALUE OF ANALYZER	0.1	1	0.1		
0010	0030	REMOVE PH SENSOR FOR CLEAN	0.1	1	0.1		
0010	0040	CALIBRATION TEMP. SENSOR OF ANALYZER	0.1	1	0.1		
0010	0050	CALIBRATION ANALYZER WITH BUFFER	0.5	1	0.5		
0010	0060	RECORD DATA ON CHECK SHEET	0.1	1	0.1		
0010	0070	REINSTALLATION PH SENSOR	0.1	1	0.1		
0010	0080	CHECK CONDITION OF CABLE AFTER INSTALL	0.1	1	0.1		
Total Operation Duration					1.2		

Damage / Problem

Cause

Activity



WORK ORDER
Preventive Maintenance

Work Order 20329059



Notification 10427112



Note: (Other Comment)

Reported By		Accepted By		Completed By	
Sign					
Name					
Date	: 28 NOV 2025	Date	: 27 NOV 2025	Date	: 29 NOV 2025



WORK ORDER

Preventive Maintenance

Work Order 20329059



Notification 10427112



Object List

No	Functional Location	Func. Loc. Description	Equipment	Manufacturer Serial Number	Notification
1	2107-CG-10PAB35CQ001	MCW SUPPLY PH			



WORK ORDER

Preventive Maintenance

Work Order 20330840



Notification 10428976



General

Main Work Center	MI1-GBL - Instrument	Priority	3-Routine (30 Days)
PM Activity Type	PM1-PM-Time base	Requested Date	01-Dec-2025 03:30
Revision		Status	REL
		Status Date	02-Jan-2026 07:03

Reference Object

Functional Location	2107-CG-10GMA30CQ002	CT BLOWDOWN PUMP DISCHARGE CONDUCTIVITY
Equipment		
Warranty Expire Date		

Requested For	Date	Start	End	Duration (Hrs)
CONDUCTIVITY ANALYZER INSPECTION (1M)	Notif. Require	01-Dec-2025	31-Dec-2025	168.0
	Order Basic	01-Dec-2025	01-Dec-2025	8.0
	Order Actual			0.0

Responsibilities

Requested By	Maintenance Plan	I207CQ11-001	CONDUCTIVITY ANALYZER
Responded By	Task List	I207CQ11	CONDUCTIVITY ANALYZE
Lead Engineer			

Planned Labor

Op#	SOp#	Description	Work (Hrs)	No.	Duration (Hrs)	PR No.	Remark (If abnormal)
0010		CONDUCTIVITY ANALYZE INSPECTION (1M)	1.4	1	1.4		
0010	0010	RECORD DATA BEFORE CALIBRATION	0.1	1	0.1		
0010	0020	HOLD LAST VALUE OF ANALYZER	0.1	1	0.1		
0010	0030	REMOVE CONDUCTIVITY SENSOR FOR CLEAN	0.1	1	0.1		
0010	0040	CALIBRATION TEMP. SENSOR OF ANALYZER	0.1	1	0.1		
0010	0050	CALIBRATION ANALYZER ZERO IN AIR	0.5	1	0.5		
0010	0060	CALIBRATION ANALYZER WITH BUFFER	0.1	1	0.1		
0010	0070	RECORD DATA ON CHECK SHEET	0.2	1	0.2		
0010	0080	REINSTALLATION CONDUCTIVITY SENSOR	0.1	1	0.1		
0010	0090	CHECK CONDITION OF CABLE AFTER INSTALL	0.1	1	0.1		
Total Operation Duration					1.4		

Damage / Problem

Cause

Activity



WORK ORDER

Preventive Maintenance

Work Order 20330840



Notification 10428976



Note: (Other Comment)

Reported By	Accepted By	Completed By
Sign		
Name		
Date : 23 DEC 2025	Date : 22 DEC 2025	Date : 02 JAN 2026



WORK ORDER

Preventive Maintenance

Work Order 20330840



Notification 10428976



Object List

No	Functional Location	Func. Loc. Description	Equipment	Manufacturer Serial Number	Notification
1	2107-CG-10GMB30CQ002	WW DISCHARGE COND.			
2	2107-CG-10PAB35CQ002	MCW SUPPLY CONDUCT			



WORK ORDER
Preventive Maintenance

Work Order 20330869



Notification 10429005



General

Main Work Center MI1-GBL - Instrument Priority 3-Routine (30 Days)
PM Activity Type PM1-PM-Time base Requested Date 01-Dec-2025 03:30
Revision Status REL Status Date 02-Jan-2026 07:03

Reference Object

Functional Location 2107-CG-10QUA27CQ001 PH AFTER CONDENSER
Equipment
Warranty Expire Date

Requested For	Date	Start	End	Duration (Hrs)
PH ANALYZER INSPECTION (1M)	Notif. Require	01-Dec-2025	31-Dec-2025	168.0
	Order Basic	01-Dec-2025	01-Dec-2025	8.0
	Order Actual			0.0

Responsibilities

Requested By Work Instruction
Responded By Maintenance Plan I207CQ12-002 PH ANALYZER INSPECTION
Lead Engineer Task List I207CQ12 PH ANALYZER INSPECTION

Planned Labor

Op#	SOp#	Description	Work (Hrs)	No.	Duration (Hrs)	PR No.	Remark (If abnormal)
0010		PH ANALYZER INSPECTION (1M)	1.2	1	1.2		
0010	0010	RECORD DATA BEFORE CALIBRATION	0.1	1	0.1		
0010	0020	HOLD LAST VALUE OF ANALYZER	0.1	1	0.1		
0010	0030	REMOVE PH SENSOR FOR CLEAN	0.1	1	0.1		
0010	0040	CALIBRATION TEMP. SENSOR OF ANALYZER	0.1	1	0.1		
0010	0050	CALIBRATION ANALYZER WITH BUFFER	0.5	1	0.5		
0010	0060	RECORD DATA ON CHECK SHEET	0.1	1	0.1		
0010	0070	REINSTALLATION PH SENSOR	0.1	1	0.1		
0010	0080	CHECK CONDITION OF CABLE AFTER INSTALL	0.1	1	0.1		
Total Operation Duration					1.2		

Damage / Problem

Cause

Activity



WORK ORDER
Preventive Maintenance

Work Order 20330869



Notification 10429005



Note: (Other Comment)

Reported By		Accepted By		Completed By	
Sign					
Name					
Date	: 23 DEC 2025	Date	: 22 DEC 2025	Date	: 02 JAN 2026



WORK ORDER
Preventive Maintenance

Work Order 20330869



Notification 10429005



Object List

No	Functional Location	Func. Loc. Description	Equipment	Manufacturer Serial Number	Notification
1	2107-CG-10PAB35CQ001	MCW SUPPLY PH			

ภาคผนวก ข-3

ขั้นตอนการรับเรื่องร้องเรียน

 การสื่อสารและมีส่วนร่วมให้คำปรึกษา	หมายเลขเอกสาร	PD-EHS-06
	ประกาศใช้เอกสาร	21 ตุลาคม 2565
	แก้ไขครั้งที่	01 Page 2 of 9

ระเบียบปฏิบัติ

เรื่อง

“การสื่อสารและมีส่วนร่วมให้คำปรึกษา”
“COMMUNICATION CONSULTATION
AND PATICIPATION”

PD-EHS-06

ORIGINAL

ผู้จัดทำ	ผู้ทบทวน	ผู้อนุมัติ
<div style="background-color: #cccccc; height: 100px; width: 100%;"></div>		
วันที่ 21 OCT 2022	วันที่ 21 OCT 2022	วันที่ 21 OCT 2022

“เอกสารนี้เป็นเอกสารใช้ภายในหน่วยงานของบริษัท กัลฟ์ เป็นเอกสาร จำกัด เท่านั้น”
 “หากมีการพิมพ์เอกสารจะถือว่าเอกสารนั้นเป็นเอกสารไม่ควบคุม”

[illegible]

“เอกสารนี้เป็นเอกสารไร้ภายในหน่วยงานของบริษัท กัลฟ์ บีแอล จำกัด เท่านั้น”
“หากมีการพิมพ์เอกสารจะถือว่าเอกสารนั้นเป็นเอกสาร ไม่ควบคุม”

 การสื่อสารและมีส่วนร่วมให้คำปรึกษา	หมายเลขเอกสาร		PD-EHS-06
	ประกาศใช้เอกสาร		21 ตุลาคม 2565
	แก้ไขครั้งที่	01	Page 3 of 9

1. วัดดงประตงก์

เพื่อให้มั่นใจได้ว่ามีแนวทางในการสื่อสาร การรับซื้อหรือเรียน และประชาสัมพันธ์ เกี่ยวกับการจัดการด้านสิ่งแวดล้อมของ องค์การ กับบุคคล และ / หรือหน่วยงานภายใน และภายนอกองค์กร

2. ขอบเขต

ระเบียบปฏิบัติงานนี้ครอบคลุม การสื่อสารภายในองค์กร และหน่วยงานภายนอกซึ่งส่งผลกระทบต่อการจัดการดำเนินงานสิ่งแวดล้อม รวมถึงการจัดการด้านอาชีวอนามัยและความปลอดภัย ขององค์กรกับบุคคล และ / หรือหน่วยงานภายใน และภายนอกองค์กร

3. คำจำกัดความ

- **การถือสาร** หมายถึง การรับเข้าและส่งออกสิ่งเข้าทางสาร และข้อมูลการจัดการสิ่งแวดล้อมและอาจชีวอนามัยและความปลอดภัยเพื่อการติดต่อประสานงาน การกระจายข่าวสาร รวมทั้งการสร้างความเข้าใจ ระหว่างบุคคล และหรือหน่วยงาน ทั้งภายในและภายนอก
- **การสื่อสารภายใน** หมายถึง การสื่อสารทางโทรศัพท์ ป้ายประชาสัมพันธ์ ประกาศ จดหมาย จดหมายอิเล็กทรอนิกส์ การสื่อสารผ่านระบบเครือข่ายคอมพิวเตอร์ ข้อมูลเสนอแนะ ระหว่างบุคคล หรือหน่วยงาน ภายในระบบการจัดการสิ่งแวดล้อมและอาจชีวอนามัยและความปลอดภัยของโรงงาน
- **การสื่อสารภายนอก** หมายถึง การสื่อสารทางโทรศัพท์ ป้ายประชาสัมพันธ์ ประกาศ จดหมาย จดหมายอิเล็กทรอนิกส์ การสื่อสารผ่านระบบเครือข่ายทางที่เป็นลายลักษณ์อักษร ข้อมูลเสนอแนะ ระหว่างบุคคล หรือหน่วยงาน ภายในระบบการจัดการสิ่งแวดล้อมและอาจชีวอนามัยและความปลอดภัยขององค์กร กับบุคคล หรือหน่วยงานภายนอก รวมทั้ง การตีพิมพ์ในวารสาร หรือสิ่งพิมพ์อื่นๆ
- **ข้อร้องเรียนด้านสิ่งแวดล้อมและด้านอาจชีวอนามัยและความปลอดภัย** หมายถึง ข้อมูลที่เป็นความคิดเห็นเกี่ยวกับปัญหา หรือผลกระทบด้านสิ่งแวดล้อมและความปลอดภัยในโรงงาน

4. เอกสารอ้างอิง

PD-MRT-03	ระเบียบปฏิบัติ เรื่องการแก้ไข
ESMS-En-P-02	Grievance Handling Procedure
ESMS-Sa-P-07	Plant Security
PD-FHS-09	การควบคุมผู้รับเหมา-ผู้มาติดต่อ

“เอกสารนี้เป็นเอกสารใช้ภายในหน่วยงานของบริษัท กัลป์ นิแอล จำกัด เท่านั้น”
 “หากมีการพิมพ์เอกสารจะถือว่าเอกสารนั้นเป็นเอกสารไม่ควบคุม”

 การสื่อสารและมีส่วนร่วมให้คำปรึกษา	หมายเลขเอกสาร		PD-EHS-06
	ประกาศใช้เอกสาร		21 ตุลาคม 2565
	แก้ไขครั้งที่	01	Page 4 of 9

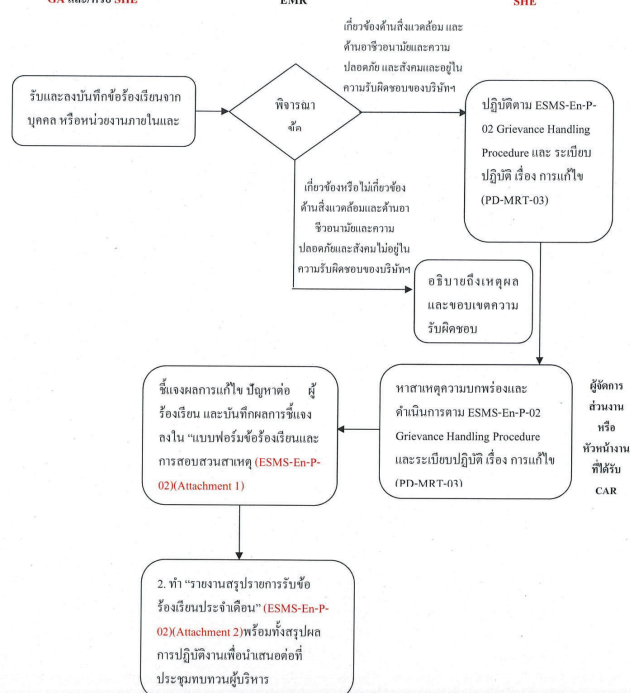
5. แผนผังกระบวนการ

การรับข้อร้องเรียน

GA และ/หรือ SHE

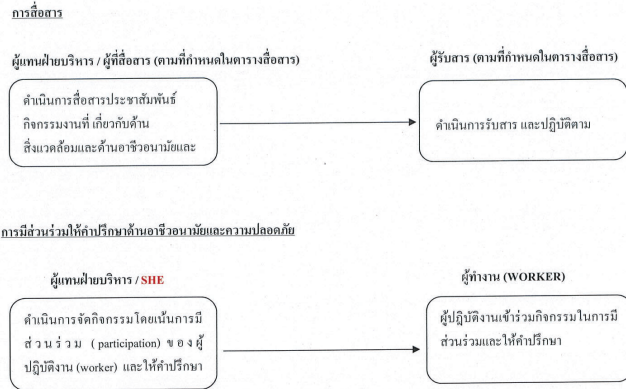
EMR

SHE



“เอกสารนี้เป็นเอกสารไร้ภายในหน่วยงานของบริษัท กัลฟ์ บีแอล จำกัด เท่านั้น”
 “หากมีการพิมพ์เอกสารจะถือว่าเอกสารนั้นเป็นเอกสารไม่ควบคุม”

5. แผนผังกระบวนการ



“เอกสารนี้เป็นเอกสารใช้ภายในหน่วยงานของบริษัท กัดพี บีแอล จำกัด เท่านั้น”
“หากมีการพิมพ์เอกสารจะถือว่าเอกสารนี้เป็นเอกสารไม่ควบคุม”

6. ขั้นตอนการปฏิบัติการ

รายละเอียด	ผู้รับผิดชอบ	เอกสารที่เกี่ยวข้อง
<p>1. การรับข้อร้องเรียนด้านสิ่งแวดล้อม ด้านอาชีวอนามัยและความปลอดภัย และ</p> <p>สังคม</p> <ul style="list-style-type: none">ส่วนงาน GA และ/หรือ SHE รับแจ้งและบันทึกข้อร้องเรียนจากบุคคล หรือหน่วยงานภายใน และหน่วยงานภายนอก โดยใช้ “แบบฟอร์มข้อร้องเรียน และการสอบสวนสาเหตุ”พิจารณาข้อร้องเรียนดังกล่าวว่า เป็นข้อร้องเรียนด้านสิ่งแวดล้อมและด้านอาชีวอนามัยและความปลอดภัยและสังคม หรือไม่<ul style="list-style-type: none">กรณีที่เป็น หน่วยงานต่อผู้แทนฝ่ายบริหาร (EMR) เพื่อพิจารณาข้อร้องเรียน และปฏิบัติตาม Standard Environmental Procedure การรับเรื่องร้องเรียน (ESMS-En-P-02 Grievance Handling Procedure) และ ระเบียบปฏิบัติ เรื่อง การแก้ไข (PD-MRT-03)กรณีที่มิใช่อยู่ในความรับผิดชอบ ให้ฝ่าย GA และ/หรือ SHE อธิบายถึงเหตุผลและขอบเขตความรับผิดชอบ	GA/SHE/EMR	- ESMS-En-P-02 Grievance Handling Procedure Attachment_1 Compliant receipt and Investigation Form - ระเบียบปฏิบัติการแก้ไข PD-MRT-03
<p>2. การดำเนินการหาสาเหตุ และทำการแก้ไขและป้องกัน</p> <ul style="list-style-type: none">ผู้จัดการส่วนงานหรือหัวหน้างานที่ได้รับ CAR พิจารณาข้อร้องเรียนที่ได้รับเพื่อหาสาเหตุและดำเนินการตาม Standard Environmental Procedure การรับเรื่องร้องเรียน (ESMS-En-P-02 Grievance Handling Procedure) และ ระเบียบปฏิบัติ เรื่อง การแก้ไข (PD-MRT-03)ผู้แทนฝ่ายบริหารหรือผู้ที่ได้รับมอบหมาย ซึ่งผลการแก้ไข ปัญหาต่อ ผู้ร้องเรียน และบันทึกผลการชี้แจงลงใน “แบบฟอร์มข้อร้องเรียนและการสอบสวนสาเหตุ”	ผู้แทนฝ่ายบริหาร / ผู้จัดการส่วนงาน/ หัวหน้างาน	- ESMS-En-P-02 Grievance Handling Procedure - PD-MRT-03 ระเบียบปฏิบัติ เรื่อง การแก้ไข - ESMS-En-P-02 Grievance Handling Procedure Attachment_1 Compliant receipt and Investigation Form

“เอกสารนี้เป็นเอกสารใช้ภายในหน่วยงานของบริษัท กัดพี บีแอล จำกัด เท่านั้น”
“หากมีการพิมพ์เอกสารจะถือว่าเอกสารนี้เป็นเอกสารไม่ควบคุม”

รายละเอียด	ผู้รับผิดชอบ	เอกสารที่เกี่ยวข้อง
<ul style="list-style-type: none">ผู้จัดการส่วนงานหรือหัวหน้างาน ตั้ง “แบบฟอร์มข้อร้องเรียนและการสอบสวนสาเหตุ” ที่บันทึกผลการชี้แจงเรียบร้อยแล้ว ให้ผู้แทนฝ่ายบริหารทำ “รายงานสรุปการรับข้อร้องเรียนประจำปี” พร้อมทั้งสรุปผลการปฏิบัติตามเพื่อนำเสนอต่อที่ประชุมทบทวนผู้บริหาร		- ESMS-En-P-02 Grievance Handling Procedure Attachment_2 Monthly Summary Record of Complaint Receipt
<p>3. การสื่อสารด้านสิ่งแวดล้อมและด้านอาชีวอนามัยและความปลอดภัย</p> <ul style="list-style-type: none">ผู้แทนฝ่ายบริหาร (MRT) ทำหน้าที่ในการสื่อสารประชาสัมพันธ์กิจกรรมงานที่เกี่ยวกับด้านสิ่งแวดล้อมและด้านอาชีวอนามัยและความปลอดภัยตามตารางการสื่อสารกรณีที่มีผู้เข้ามาติดต่อให้ทำการสื่อสารข้อมูลด้านสิ่งแวดล้อมและด้านอาชีวอนามัยและความปลอดภัย โดยใช้ใบอนุญาตผ่านเข้า-ออกบริษัท	ทุกแผนกที่เกี่ยวข้อง	- Plant Security ESMS-Sa-P-07 - การควบคุมผู้รับเหมา-ผู้มาติดต่อ PD-EHS-09
<p>4. การมีส่วนร่วมด้านอาชีวอนามัยและความปลอดภัย</p> <p>เน้นการมีส่วนร่วม (participation) ของผู้ทำงาน (worker) ที่ไม่ใช่งานบริหาร ดังนี้</p> <ul style="list-style-type: none">การพิจารณาโอกาสสำหรับการทำงาน (participation) และการปรึกษา (consultation)การป้องกันอันตรายและการประเมินความเสี่ยงและโอกาสด้านความปลอดภัยพิจารณากิจกรรมในการกำจัดอันตรายและความเสี่ยงด้านความปลอดภัยพิจารณาข้อกำหนดความสามารถ การอบรมที่เป็น การอบรม และการประเมินการอบรมการพิจารณาว่าอะไรที่ส่งเสริมการสื่อสารและวิธีที่สื่อสารการพิจารณาการควบคุมและนำไปปฏิบัติใช้อย่างมีประสิทธิภาพการสอบสวนอุบัติเหตุและสิ่งที่ไม่เป็นไปตามข้อกำหนด และการกำหนดการแก้ไข	SHE	

“เอกสารนี้เป็นเอกสารใช้ภายในหน่วยงานของบริษัท กัดพี บีแอล จำกัด เท่านั้น”
“หากมีการพิมพ์เอกสารจะถือว่าเอกสารนี้เป็นเอกสารไม่ควบคุม”

รายละเอียด	ผู้รับผิดชอบ	เอกสารที่เกี่ยวข้อง
<p>5. การให้คำปรึกษาและการมีส่วนร่วมด้านอาชีวอนามัยและความปลอดภัย</p> <p>เน้นการให้คำปรึกษาของผู้ทำงาน (WORKER) ที่ไม่ใช่งานบริหาร ดังนี้</p> <ul style="list-style-type: none">การพิจารณาความจำเป็นและความคาดหวังของผู้มีส่วนได้ส่วนเสียการจัดทำนโยบายด้านความปลอดภัยการมอบหมายบทบาท ความรับผิดชอบ และอำนาจหน้าที่ในการนำไปใช้การพิจารณาวิธีรับรู้ข้อกำหนดกฎหมายและข้อกำหนดอื่นๆการจัดทำวัตถุประสงค์ด้านความปลอดภัยและแผนในการบรรลุการกำหนดมาตรการควบคุมที่นำไปใช้ได้สำหรับผู้เยี่ยมชมภายนอก การจัดซื้อจัดจ้าง และผู้รับเหมาและ OUTSOURCEการกำหนดสิ่งที่จำเป็นต้องเฝ้าระวังติดตาม การวัด และประเมินผลการวางแผน การจัดทำ การนำไปปฏิบัติ และรักษาไปแผนการตรวจสอบติดตามมั่นใจการปรับปรุงอย่างต่อเนื่อง	SHE	

ตารางการสื่อสารด้านคุณภาพ สิ่งแวดล้อมและความปลอดภัย

เรื่อง	ภายใน			ภายนอก		
	สื่อ	ผู้สื่อสาร	ผู้รับสาร	สื่อ	ผู้สื่อสาร	ผู้รับสาร
นโยบายคุณภาพ สิ่งแวดล้อม ความปลอดภัยและสังคม และนโยบายการจัดการด้านอื่นๆ	การประกาศบอร์ด การประชุม อีเล็คทรอนิกส์	ผู้จัดการ โรงไฟฟ้า/MRT	พนักงาน	จดหมาย/ อีเล็คทรอนิกส์	ผู้จัดการ โรงไฟฟ้า/ MRT/SHE	ลูกค้า / ผู้ที่เกี่ยวข้อง
วัตถุประสงค์เป้าหมายทางด้านคุณภาพ ด้าน สิ่งแวดล้อมและด้านอาชีวอนามัยและความปลอดภัย	การประกาศ บอร์ด การประชุม อีเล็คทรอนิกส์	ผู้จัดการ โรงไฟฟ้า/MRT	พนักงาน	ไม่สื่อสาร		
คู่มือหรือระเบียบการปฏิบัติงานด้านคุณภาพ ด้านสิ่งแวดล้อมและด้านอาชีวอนามัยและความปลอดภัย	อีเล็คทรอนิกส์	SHE	พนักงาน	สื่อการสอน	SHE	ผู้ที่เกี่ยวข้อง

“เอกสารนี้เป็นเอกสารใช้ภายในหน่วยงานของบริษัท กัดพี บีแอล จำกัด เท่านั้น”
“หากมีการพิมพ์เอกสารจะถือว่าเอกสารนี้เป็นเอกสารไม่ควบคุม”

ประเด็นด้าน สิ่งแวดล้อมและความ ปลอดภัย	อิเล็กทรอนิกส์	GA/SHE	พนักงาน	ไม่สื่อสาร		
กฎหมาย ข้อกำหนด หรือข้อวิจารณ์ด้าน สิ่งแวดล้อมและความ ปลอดภัย	การประกาศ บอร์ด การประชุม อิเล็กทรอนิกส์	GA/SHE	พนักงาน	การอบรม	SHE	ผู้ที่เกี่ยวข้อง
การรับแจ้งและส่งออก หนังสือ เอกสารจาก หน่วยงานภายนอก	อิเล็กทรอนิกส์ จดหมาย	DCC/GA	พนักงานที่ เกี่ยวข้อง	อิเล็กทรอนิกส์ เมล์ จดหมาย	SHE, OPT, MTN , GA	ผู้ที่เกี่ยวข้อง
การรับข้อร้องเรียน	โดยวาจา อิเล็กทรอนิกส์ จดหมาย โทรศัพท์	GA/SHE	พนักงาน	โดยวาจา จดหมาย โทรศัพท์ อิเล็กทรอนิกส์ เมล์	GA/SHE	ผู้ที่เกี่ยวข้อง

ตารางการสื่อสารกับผู้รับเหมาหรือผู้ที่เกี่ยวข้อง

เรื่อง	การสื่อสาร		
	สื่อ	ผู้สื่อสาร	ผู้รับสาร
นโยบายคุณภาพ สิ่งแวดล้อม หรืออนามัยและความปลอดภัย	บอร์ด	ผู้จัดการ โรงไฟฟ้า / MRT /	ผู้รับเหมา / ผู้ที่เกี่ยวข้อง /
	การอบรม	SHE	ลูกค้า/ผู้มาติดต่อ
การสวมใส่อุปกรณ์ PPE,กฎระเบียบ,การทิ้ง ขยะ,เส้นทางอพยพ,จุดรวมพล,จุดหลบภัย	บอร์ด	EHS	ผู้รับเหมา / ผู้ที่เกี่ยวข้อง /
	การอบรม		ลูกค้า/ผู้มาติดต่อ

7. บันทึก

ไม่มี



รายงานสรุปรายการรับข้อร้องเรียนประจำเดือน (Monthly Summary Record of Complaint Receipt)

ประจำเดือน กรกฎาคม 2568 โรงไฟฟ้า บ้านเลน

วัน/เดือน/ปี ที่รับแจ้ง	รายการข้อร้องเรียน	วัน/เดือน/ปี ที่แก้ไข, ผลการดำเนินการ	หมายเหตุ
-	ไม่มีข้อร้องเรียน	-	-

* การนำส่งรายงานสรุปรายการข้อร้องเรียนประจำเดือนต้องแนบสำเนาแบบฟอร์มข้อร้องเรียนและการสอบสวนสาเหตุด้วย

FP-EHS-06-02 Rev.00



รายงานสรุปรายการรับข้อร้องเรียนประจำเดือน (Monthly Summary Record of Complaint Receipt)

ประจำเดือน สิงหาคม 2568 โรงไฟฟ้า บ้านเลน

วัน/เดือน/ปี ที่รับแจ้ง	รายการข้อร้องเรียน	วัน/เดือน/ปี ที่แก้ไข, ผลการดำเนินการ	หมายเหตุ
-	ไม่มีข้อร้องเรียน	-	-

* การนำส่งรายงานสรุปรายการข้อร้องเรียนประจำเดือนต้องแนบสำเนาแบบฟอร์มข้อร้องเรียนและการสอบสวนสาเหตุด้วย

FP-EHS-06-02 Rev.00



รายงานสรุปรายการรับข้อร้องเรียนประจำเดือน (Monthly Summary Record of Complaint Receipt)

ประจำเดือน กันยายน 2568 โรงไฟฟ้า บ้านเลน

วัน/เดือน/ปี ที่รับแจ้ง	รายการข้อร้องเรียน	วัน/เดือน/ปี ที่แก้ไข, ผลการดำเนินการ	หมายเหตุ
-	ไม่มีข้อร้องเรียน	-	-

* การนำส่งรายงานสรุปรายการข้อร้องเรียนประจำเดือนต้องแนบสำเนาแบบฟอร์มข้อร้องเรียนและการสอบสวนสาเหตุด้วย

FP-EHS-06-02 Rev.00



รายงานสรุปรายการรับข้อร้องเรียนประจำเดือน (Monthly Summary Record of Complaint Receipt)

ประจำเดือน ตุลาคม 2568 โรงไฟฟ้า บ้านเลน

วัน/เดือน/ปี ที่รับแจ้ง	รายการข้อร้องเรียน	วัน/เดือน/ปี ที่แก้ไข, ผลการดำเนินการ	หมายเหตุ
-	ไม่มีข้อร้องเรียน	-	-

* การนำส่งรายงานสรุปรายการข้อร้องเรียนประจำเดือนต้องแนบสำเนาแบบฟอร์มข้อร้องเรียนและการสอบสวนสาเหตุด้วย

FP-EHS-06-02 Rev.00



รายงานสรุปรายการรับข้อร้องเรียนประจำเดือน (Monthly Summary Record of Complaint Receipt)

ประจำเดือน พฤศจิกายน 2568 โรงไฟฟ้า บ้านเลน

วัน/เดือน/ปี ที่รับแจ้ง	รายการข้อร้องเรียน	วัน/เดือน/ปี ที่แก้ไข, ผลการดำเนินการ	หมายเหตุ
-	ไม่มีข้อร้องเรียน	-	-

* การนำส่งรายงานสรุปรายการข้อร้องเรียนประจำเดือนต้องแนบสำเนาแบบฟอร์มข้อร้องเรียนและการสอบสวนสาเหตุด้วย



รายงานสรุปรายการรับข้อร้องเรียนประจำเดือน (Monthly Summary Record of Complaint Receipt)

ประจำเดือน ธันวาคม 2568 โรงไฟฟ้า บ้านเลน

วัน/เดือน/ปี ที่รับแจ้ง	รายการข้อร้องเรียน	วัน/เดือน/ปี ที่แก้ไข, ผลการดำเนินการ	หมายเหตุ
-	ไม่มีข้อร้องเรียน	-	-

* การนำส่งรายงานสรุปรายการข้อร้องเรียนประจำเดือนต้องแนบสำเนาแบบฟอร์มข้อร้องเรียนและการสอบสวนสาเหตุด้วย

ภาคผนวก ข-4

ผลการตรวจสอบความถูกต้องของ CEMs

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1_NOx@7%O2	HRSO1_SOx@7%O2	HRSO1_Dust (7%O2)	HRSO1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
01/07/2025 00:00	14.6	325295.8	32.76	0.77	6.40	0.49
01/07/2025 01:00	14.6	325580.3	32.65	0.77	6.37	0.46
01/07/2025 02:00	14.6	325711.1	32.65	0.82	6.63	0.44
01/07/2025 03:00	14.6	322562.3	32.35	0.81	6.47	0.42
01/07/2025 04:00	14.6	320759.0	31.94	0.79	6.67	0.44
01/07/2025 05:00	14.6	318196.1	31.38	0.81	6.47	0.44
01/07/2025 06:00	14.6	315900.6	31.46	0.79	6.81	0.44
01/07/2025 07:00	14.6	326191.8	32.91	0.78	6.53	0.42
01/07/2025 08:00	14.7	294314.6	37.69	0.76	6.13	0.47
01/07/2025 09:00	14.7	354391.7	40.73	0.74	6.02	0.34
01/07/2025 10:00	14.8	352269.8	41.11	0.68	5.99	0.32
01/07/2025 11:00	14.8	347715.8	40.80	0.63	5.85	0.32
01/07/2025 12:00	14.8	256714.0	42.52	0.57	5.58	0.27
01/07/2025 13:00	14.7	352084.8	41.32	0.56	5.95	0.29
01/07/2025 14:00	14.7	351231.5	41.50	0.56	5.96	0.31
01/07/2025 15:00	14.7	349061.2	40.56	0.58	5.74	0.31
01/07/2025 16:00	14.6	350230.2	39.97	0.56	5.57	0.29
01/07/2025 17:00	14.6	345975.0	37.88	0.60	7.13	0.29
01/07/2025 18:00	14.6	341278.8	36.06	0.71	9.45	0.33
01/07/2025 19:00	14.6	343912.8	36.59	0.73	10.37	0.36
01/07/2025 20:00	14.7	343716.4	36.38	0.73	9.70	0.38
01/07/2025 21:00	14.7	339958.9	35.01	0.78	8.03	0.36
01/07/2025 22:00	14.7	342331.2	35.52	0.80	7.23	0.36
01/07/2025 23:00	14.9	314304.9	38.63	1.09	7.53	16.74
02/07/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
02/07/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
02/07/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
02/07/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
02/07/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
02/07/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
02/07/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
02/07/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
02/07/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
02/07/2025 09:00	14.7	352801.7	39.83	0.83	9.39	0.42
02/07/2025 10:00	14.7	349692.6	40.35	0.76	6.88	0.34
02/07/2025 11:00	14.7	344456.0	37.50	0.69	6.25	0.29
02/07/2025 12:00	14.7	258958.4	41.90	0.63	5.79	0.22
02/07/2025 13:00	14.7	346782.7	36.12	0.62	5.96	0.22
02/07/2025 14:00	14.7	352227.0	41.14	0.54	6.17	0.27
02/07/2025 15:00	14.7	352147.4	40.60	0.54	6.10	0.29
02/07/2025 16:00	14.7	351533.0	40.13	0.58	6.13	0.29
02/07/2025 17:00	14.7	349948.6	39.57	0.63	6.43	0.31
02/07/2025 18:00	14.7	345659.3	38.29	0.67	6.97	0.31
02/07/2025 19:00	14.7	345841.3	37.10	0.67	7.59	0.29
02/07/2025 20:00	14.7	344481.6	37.36	0.74	7.58	0.31
02/07/2025 21:00	14.7	340769.6	36.09	0.74	8.07	0.40
02/07/2025 22:00	14.7	341861.9	35.33	0.76	7.55	0.42
02/07/2025 23:00	14.9	316152.3	37.08	1.07	7.63	15.90
03/07/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/07/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/07/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/07/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/07/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/07/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/07/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/07/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/07/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/07/2025 09:00	14.7	354400.2	40.27	0.83	12.71	0.34
03/07/2025 10:00	14.7	352022.2	40.44	0.76	7.29	0.31
03/07/2025 11:00	14.8	349772.3	40.93	0.75	6.62	0.32
03/07/2025 12:00	14.8	257777.8	42.63	0.68	6.27	0.25
03/07/2025 13:00	14.7	348591.9	35.89	0.60	6.33	0.25
03/07/2025 14:00	14.8	353032.0	41.70	0.61	6.45	0.25
03/07/2025 15:00	14.8	352972.3	42.49	0.57	6.47	0.25
03/07/2025 16:00	14.8	353302.3	42.42	0.57	6.58	0.29

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1_NOx@7%O2	HRSO1_SOx@7%O2	HRSO1_Dust (7%O2)	HRSO1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
03/07/2025 17:00	14.7	352434.7	41.61	0.59	6.30	0.29
03/07/2025 18:00	14.7	349547.6	40.77	0.63	5.93	0.32
03/07/2025 19:00	14.7	350708.1	40.01	0.70	5.98	0.32
03/07/2025 20:00	14.7	351695.2	39.04	0.72	6.62	0.36
03/07/2025 21:00	14.7	346882.4	38.41	0.70	6.72	0.32
03/07/2025 22:00	14.7	346558.1	37.91	0.72	7.18	0.41
03/07/2025 23:00	14.9	319390.5	39.62	0.91	6.72	7.98
04/07/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
04/07/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
04/07/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
04/07/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
04/07/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
04/07/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
04/07/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
04/07/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
04/07/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
04/07/2025 09:00	14.7	356948.8	40.74	0.76	6.32	0.20
04/07/2025 10:00	14.8	356249.1	43.77	0.75	6.12	0.18
04/07/2025 11:00	14.8	353324.9	42.31	0.70	6.28	0.23
04/07/2025 12:00	14.8	259738.0	41.72	0.66	5.83	0.18
04/07/2025 13:00	14.6	352795.9	36.73	0.69	5.99	0.16
04/07/2025 14:00	14.6	355560.7	38.88	0.67	5.92	0.18
04/07/2025 15:00	14.7	354582.2	42.87	0.67	6.05	0.22
04/07/2025 16:00	14.7	354329.1	44.58	0.69	5.96	0.27
04/07/2025 17:00	14.7	354883.8	43.63	0.63	5.92	0.25
04/07/2025 18:00	14.7	352207.1	41.11	0.63	6.18	0.23
04/07/2025 19:00	14.8	355867.9	41.68	0.68	5.76	0.29
04/07/2025 20:00	14.8	356365.8	41.90	0.70	5.87	0.29
04/07/2025 21:00	14.8	350949.9	40.07	0.70	6.04	0.36
04/07/2025 22:00	14.8	350523.3	40.00	0.72	6.11	0.34
04/07/2025 23:00	15.0	321486.4	42.08	1.08	6.38	21.44
05/07/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
05/07/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
05/07/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
05/07/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
05/07/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
05/07/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
05/07/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
05/07/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
05/07/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
05/07/2025 09:00	14.7	352289.6	40.23	0.85	5.72	0.18
05/07/2025 10:00	14.8	352719.2	43.08	0.84	5.95	0.16
05/07/2025 11:00	14.8	350369.6	42.85	0.79	6.02	0.14
05/07/2025 12:00	14.7	260251.6	42.67	0.74	5.44	0.14
05/07/2025 13:00	14.7	352480.2	43.13	0.67	5.73	0.20
05/07/2025 14:00	14.6	351837.3	39.07	0.71	5.67	0.18
05/07/2025 15:00	14.6	351979.5	36.38	0.70	5.56	0.15
05/07/2025 16:00	14.7	354275.0	42.44	0.67	5.69	0.18
05/07/2025 17:00	14.7	350460.6	41.68	0.67	6.31	0.16
05/07/2025 18:00	14.7	345534.0	40.67	0.71	7.25	0.18
05/07/2025 19:00	14.7	349305.9	41.36	0.74	7.39	0.18
05/07/2025 20:00	14.7	349371.2	40.20	0.76	6.64	0.22
05/07/2025 21:00	14.7	345445.8	38.61	0.78	6.59	0.25
05/07/2025 22:00	14.7	345497.0	38.35	0.81	6.70	0.25
05/07/2025 23:00	15.0	318288.8	41.14	1.24	7.14	2.86
06/07/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
06/07/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
06/07/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
06/07/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
06/07/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
06/07/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
06/07/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
06/07/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
06/07/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
06/07/2025 09:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
06/07/2025 10:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
06/07/2025 11:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
06/07/2025 12:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
06/07/2025 13:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
06/07/2025 14:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
06/07/2025 15:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
06/07/2025 16:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
06/07/2025 17:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
06/07/2025 18:00	14.7	314396.5	43.72	0.63	5.88	0.31
06/07/2025 19:00	14.8	342794.9	42.99	0.68	6.08	0.20
06/07/2025 20:00	14.8	343486.1	42.06	0.68	6.14	0.23
06/07/2025 21:00	14.8	343218.6	40.55	0.68	6.24	0.27
06/07/2025 22:00	14.7	342336.9	39.11	0.70	6.25	0.27
06/07/2025 23:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
07/07/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
07/07/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
07/07/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
07/07/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
07/07/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
07/07/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
07/07/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
07/07/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
07/07/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
07/07/2025 09:00	14.8	359033.8	45.50	0.77	6.60	0.18
07/07/2025 10:00	14.8	355728.6	44.81	0.73	6.25	0.16
07/07/2025 11:00	14.8	351686.6	43.08	0.70	6.46	0.16
07/07/2025 12:00	14.8	260032.7	43.21	0.66	5.97	0.14
07/07/2025 13:00	14.6	350568.7	36.06	0.69	6.26	0.11
07/07/2025 14:00	14.6	351467.6	38.94	0.69	6.28	0.15
07/07/2025 15:00	14.6	351399.3	41.63	0.64	6.15	0.18
07/07/2025 16:00	14.6	353976.4	36.28	0.66	5.95	0.11
07/07/2025 17:00	14.6	355185.2	36.26	0.62	5.72	0.18
07/07/2025 18:00	14.6	349049.8	35.76	0.64	6.60	0.26
07/07/2025 19:00	14.7	353049.1	36.81	0.76	6.81	0.18
07/07/2025 20:00	14.7	353694.7	38.12	0.76	6.92	0.20
07/07/2025 21:00	14.7	348105.4	38.23	0.79	6.76	0.20
07/07/2025 22:00	14.7	348964.5	37.92	0.77	7.84	0.23
07/07/2025 23:00	15.0	319616.6	39.92	1.20	7.78	23.74
08/07/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
08/07/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
08/07/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
08/07/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
08/07/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
08/07/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
08/07/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
08/07/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
08/07/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
08/07/2025 09:00	14.7	361542.6	39.63	0.85	8.86	0.33
08/07/2025 10:00	14.7	356354.3	41.84	0.83	7.12	0.27
08/07/2025 11:00	14.8	355114.2	44.16	0.77	6.23	0.20
08/07/2025 12:00	14.8	262273.9	42.83	0.72	5.72	0.16
08/07/2025 13:00	14.7	359375.1	37.49	0.69	5.93	0.13
08/07/2025 14:00	14.7	359588.5	37.61	0.71	6.41	0.16
08/07/2025 15:00	14.7	358243.1	38.58	0.76	7.95	0.20
08/07/2025 16:00	14.7	357759.5	39.69	0.74	8.09	0.20
08/07/2025 17:00	14.7	355600.5	40.62	0.72	6.91	0.16
08/07/2025 18:00	14.7	350711.0	38.44	0.76	7.68	0.16
08/07/2025 19:00	14.7	351991.0	38.79	0.83	7.51	0.16
08/07/2025 20:00	14.7	350540.3	38.16	0.83	9.08	0.20
08/07/2025 21:00	14.7	345855.5	36.07	0.87	9.68	0.18
08/07/2025 22:00	14.7	347027.4	36.26	0.87	9.36	0.18
08/07/2025 23:00	15.0	311549.3	37.17	1.40	11.12	73.60
09/07/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
09/07/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
09/07/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
09/07/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
09/07/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
09/07/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
09/07/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
09/07/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
09/07/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
09/07/2025 09:00	14.8	358294.2	45.74	0.88	6.64	0.18
09/07/2025 10:00	14.8	357466.5	45.57	0.82	6.45	0.11
09/07/2025 11:00	14.8	355037.4	45.29	0.79	6.27	0.11
09/07/2025 12:00	14.7	263180.4	44.90	0.72	6.00	0.14
09/07/2025 13:00	14.8	355950.4	43.33	0.72	6.61	0.11
09/07/2025 14:00	14.7	356203.6	45.46	0.72	6.25	0.16
09/07/2025 15:00	14.7	358021.2	46.85	0.69	6.27	0.16
09/07/2025 16:00	14.7	357867.5	44.44	0.76	6.37	0.18
09/07/2025 17:00	14.7	355071.5	41.93	0.79	6.53	0.18
09/07/2025 18:00	14.7	350841.8	40.35	0.79	6.47	0.20
09/07/2025 19:00	14.7	353527.0	40.64	0.81	6.51	0.25
09/07/2025 20:00	14.7	352511.5	39.79	0.83	6.35	0.29
09/07/2025 21:00	14.7	348459.8	37.22	0.85	6.59	0.29
09/07/2025 22:00	14.7	346031.9	36.62	0.85	6.54	0.34
09/07/2025 23:00	14.7	329848.0	36.78	0.85	6.32	0.34
10/07/2025 00:00	14.7	357460.8	39.37	0.87	6.88	0.27
10/07/2025 01:00	14.7	355685.9	38.36	0.92	7.27	0.27
10/07/2025 02:00	14.7	356030.0	38.45	0.92	7.50	0.27
10/07/2025 03:00	14.7	355532.3	38.01	0.92	7.67	0.29
10/07/2025 04:00	14.7	355779.9	38.46	0.94	7.69	0.25
10/07/2025 05:00	14.7	356377.0	38.73	0.94	7.53	0.20
10/07/2025 06:00	14.7	355683.1	38.72	0.94	7.50	0.18
10/07/2025 07:00	14.7	355978.8	38.54	0.96	7.58	0.18
10/07/2025 08:00	14.7	356863.5	39.20	0.94	6.82	0.13
10/07/2025 09:00	14.7	357637.2	40.19	0.90	6.36	0.14
10/07/2025 10:00	14.7	357039.9	41.79	0.88	6.15	0.11
10/07/2025 11:00	14.7	355088.5	43.13	0.83	6.05	0.13
10/07/2025 12:00	14.6	354701.7	36.07	0.78	5.81	0.09
10/07/2025 13:00	14.6	354494.1	35.78	0.73	5.88	0.09
10/07/2025 14:00	14.6	355253.6	35.43	0.79	5.92	0.07
10/07/2025 15:00	14.6	355000.3	35.30	0.77	5.85	0.09
10/07/2025 16:00	14.6	356852.2	36.61	0.72	6.06	0.11
10/07/2025 17:00	14.5	285476.7	35.31	0.72	5.74	0.15
10/07/2025 18:00	14.6	315656.6	31.81	0.74	5.80	0.13
10/07/2025 19:00	14.6	340146.6	34.38	0.78	5.94	0.18
10/07/2025 20:00	14.7	340345.8	35.34	0.80	6.36	0.18
10/07/2025 21:00	14.6	340533.6	34.95	0.84	6.77	0.16
10/07/2025 22:00	14.6	340866.2	34.73	0.87	7.13	0.18
10/07/2025 23:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
11/07/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
11/07/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
11/07/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
11/07/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
11/07/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
11/07/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
11/07/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
11/07/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
11/07/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
11/07/2025 09:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
11/07/2025 10:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
11/07/2025 11:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
11/07/2025 12:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
11/07/2025 13:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
11/07/2025 14:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
11/07/2025 15:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
11/07/2025 16:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
11/07/2025 17:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
11/07/2025 18:00	14.6	326606.4	41.08	0.75	5.90	0.11
11/07/2025 19:00	14.7	352010.9	42.73	0.78	6.11	0.16

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1_NOx@7%O2	HRSO1_SOx@7%O2	HRSO1_Dust (7%O2)	HRSO1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
11/07/2025 20:00	14.7	351038.1	42.10	0.81	6.15	0.18
11/07/2025 21:00	14.7	345360.6	39.66	0.81	6.12	0.16
11/07/2025 22:00	14.7	346606.4	39.48	0.79	6.29	0.20
11/07/2025 23:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/07/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/07/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/07/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/07/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/07/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/07/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/07/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/07/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/07/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/07/2025 09:00	14.7	355273.4	40.92	0.87	5.90	0.07
12/07/2025 10:00	14.8	354613.5	43.51	0.86	5.94	0.05
12/07/2025 11:00	14.8	349723.9	42.60	0.81	5.83	0.07
12/07/2025 12:00	14.8	260469.3	44.21	0.77	5.67	0.05
12/07/2025 13:00	14.6	350176.3	36.01	0.73	5.82	0.07
12/07/2025 14:00	14.7	354010.6	42.98	0.76	5.88	0.09
12/07/2025 15:00	14.7	352602.6	42.87	0.76	5.91	0.09
12/07/2025 16:00	14.7	353069.1	43.98	0.76	5.82	0.13
12/07/2025 17:00	14.7	353253.9	42.94	0.72	5.80	0.11
12/07/2025 18:00	14.7	349052.6	38.10	0.74	5.53	0.07
12/07/2025 19:00	14.7	350153.5	37.11	0.76	6.62	0.07
12/07/2025 20:00	14.7	348179.4	37.62	0.80	7.21	0.09
12/07/2025 21:00	14.7	343122.0	35.43	0.85	7.12	0.11
12/07/2025 22:00	14.7	342413.8	35.07	0.85	8.10	0.11
12/07/2025 23:00	14.6	328299.5	35.26	0.89	9.21	0.16
13/07/2025 00:00	14.6	324067.0	30.35	0.90	11.31	0.22
13/07/2025 01:00	14.6	325586.0	30.52	0.92	9.30	0.22
13/07/2025 02:00	14.6	325435.3	30.47	0.94	7.85	0.24
13/07/2025 03:00	14.6	322366.0	29.95	0.94	6.97	0.24
13/07/2025 04:00	14.5	318528.9	29.44	0.94	7.16	0.33
13/07/2025 05:00	14.5	309935.9	31.38	0.93	8.51	0.37
13/07/2025 06:00	14.5	302073.8	33.05	0.91	14.77	0.30
13/07/2025 07:00	14.5	297531.3	33.50	0.91	10.39	0.33
13/07/2025 08:00	14.5	296325.2	33.22	0.91	7.22	0.30
13/07/2025 09:00	14.6	294908.6	34.78	0.86	6.24	0.24
13/07/2025 10:00	14.6	293677.0	35.39	0.81	5.56	0.24
13/07/2025 11:00	14.6	291848.0	36.22	0.77	5.67	0.24
13/07/2025 12:00	14.6	291080.0	36.39	0.72	5.77	0.20
13/07/2025 13:00	14.5	292340.1	35.53	0.74	5.93	0.20
13/07/2025 14:00	14.5	295016.7	34.96	0.68	5.80	0.20
13/07/2025 15:00	14.5	298919.3	33.45	0.70	5.78	0.20
13/07/2025 16:00	14.5	302383.9	32.94	0.68	5.75	0.20
13/07/2025 17:00	14.6	286296.4	35.37	0.69	5.82	0.18
13/07/2025 18:00	14.6	309000.6	30.84	0.66	5.59	0.11
13/07/2025 19:00	14.6	334449.3	31.99	0.73	6.57	0.11
13/07/2025 20:00	14.6	334253.0	32.32	0.77	8.77	0.13
13/07/2025 21:00	14.6	334076.6	32.69	0.80	8.21	0.13
13/07/2025 22:00	14.7	334551.6	33.40	0.78	7.05	0.16
13/07/2025 23:00	14.6	304600.9	32.68	0.79	6.73	0.20
14/07/2025 00:00	14.5	311884.3	30.68	0.79	7.37	0.28
14/07/2025 01:00	14.5	311893.4	30.58	0.83	7.39	0.28
14/07/2025 02:00	14.5	310848.9	29.97	0.87	8.25	0.33
14/07/2025 03:00	14.5	310314.2	30.23	0.87	10.16	0.33
14/07/2025 04:00	14.5	309062.6	31.40	0.87	7.22	0.26
14/07/2025 05:00	14.6	304596.8	32.94	0.85	6.96	0.24
14/07/2025 06:00	14.6	306337.6	32.58	0.86	7.30	0.22
14/07/2025 07:00	14.6	327833.1	31.24	0.87	6.86	0.16
14/07/2025 08:00	14.7	307254.4	35.27	0.85	6.32	0.11
14/07/2025 09:00	14.7	357022.7	35.30	0.87	6.13	0.04
14/07/2025 10:00	14.8	357921.6	40.91	0.84	6.18	0.07
14/07/2025 11:00	14.8	354462.8	40.95	0.77	5.96	0.07
14/07/2025 12:00	14.7	260776.9	39.67	0.79	5.72	0.05

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1_NOx@7%O2	HRSO1_SOx@7%O2	HRSO1_Dust (7%O2)	HRSO1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
14/07/2025 13:00	14.6	352349.4	33.61	0.77	6.09	0.04
14/07/2025 14:00	14.6	353205.5	33.68	0.75	6.03	0.04
14/07/2025 15:00	14.6	353649.2	33.73	0.74	5.95	0.04
14/07/2025 16:00	14.6	355577.8	34.27	0.77	5.94	0.04
14/07/2025 17:00	14.6	353945.1	36.83	0.75	5.84	0.09
14/07/2025 18:00	14.7	352460.3	38.93	0.74	5.62	0.07
14/07/2025 19:00	14.6	352249.8	37.66	0.80	7.24	0.07
14/07/2025 20:00	14.6	351951.2	37.37	0.87	7.68	0.07
14/07/2025 21:00	14.7	347198.1	36.12	0.87	7.49	0.11
14/07/2025 22:00	14.7	349015.7	36.67	0.89	7.22	0.11
14/07/2025 23:00	14.7	335456.1	36.38	0.93	7.18	0.13
15/07/2025 00:00	14.6	331858.0	32.39	0.90	8.30	0.22
15/07/2025 01:00	14.6	333903.2	32.46	0.90	8.34	0.26
15/07/2025 02:00	14.6	331957.5	32.65	0.95	7.55	0.15
15/07/2025 03:00	14.6	329901.0	32.45	0.93	7.34	0.15
15/07/2025 04:00	14.6	328737.7	32.70	0.97	6.86	0.15
15/07/2025 05:00	14.6	322357.6	31.74	0.92	6.47	0.18
15/07/2025 06:00	14.6	323060.1	31.85	0.95	6.52	0.18
15/07/2025 07:00	14.6	322929.7	33.39	0.93	6.38	0.16
15/07/2025 08:00	14.7	306420.8	37.80	0.94	5.90	0.11
15/07/2025 09:00	14.7	356047.1	36.52	0.89	5.76	0.07
15/07/2025 10:00	14.8	356653.0	40.79	0.88	5.93	0.07
15/07/2025 11:00	14.8	354013.4	41.22	0.84	6.00	0.07
15/07/2025 12:00	14.7	259914.6	41.70	0.81	5.57	0.07
15/07/2025 13:00	14.7	353202.7	42.37	0.82	5.97	0.09
15/07/2025 14:00	14.6	354047.5	38.54	0.82	5.76	0.09
15/07/2025 15:00	14.6	355293.4	36.58	0.81	5.64	0.07
15/07/2025 16:00	14.6	358277.2	35.76	0.83	5.59	0.07
15/07/2025 17:00	14.6	354502.6	35.38	0.82	5.51	0.09
15/07/2025 18:00	14.7	353478.6	38.75	0.80	6.38	0.16
15/07/2025 19:00	14.7	356832.2	40.60	0.83	6.85	0.11
15/07/2025 20:00	14.7	356075.5	39.77	0.85	6.43	0.07
15/07/2025 21:00	14.7	349197.7	37.31	0.85	6.67	0.09
15/07/2025 22:00	14.7	351225.8	37.60	0.87	7.03	0.07
15/07/2025 23:00	14.7	334828.9	37.14	0.89	7.87	0.07
16/07/2025 00:00	14.6	330845.4	32.87	0.90	7.68	0.07
16/07/2025 01:00	14.6	330737.2	32.40	0.95	7.79	0.11
16/07/2025 02:00	14.6	331027.4	32.00	0.99	7.70	0.11
16/07/2025 03:00	14.6	327966.7	31.53	0.96	10.57	0.11
16/07/2025 04:00	14.5	324852.2	30.62	0.98	14.95	0.13
16/07/2025 05:00	14.5	322582.2	29.70	1.00	10.69	0.15
16/07/2025 06:00	14.6	323085.8	29.97	1.01	11.82	0.20
16/07/2025 07:00	14.6	330566.6	31.52	1.01	14.83	0.13
16/07/2025 08:00	14.6	304975.8	34.75	1.02	14.48	0.11
16/07/2025 09:00	14.7	354010.5	34.97	0.96	9.85	0.09
16/07/2025 10:00	14.7	354704.5	36.05	0.92	6.84	0.09
16/07/2025 11:00	14.7	353293.7	37.90	0.88	6.25	0.09
16/07/2025 12:00	14.7	280640.3	39.00	0.83	6.12	0.09
16/07/2025 13:00	14.6	355771.2	35.00	0.78	6.23	0.07
16/07/2025 14:00	14.7	356490.8	39.80	0.78	6.10	0.11
16/07/2025 15:00	14.6	355742.8	40.06	0.84	6.44	0.13
16/07/2025 16:00	14.6	356402.7	40.70	0.80	6.84	0.16
16/07/2025 17:00	14.7	355065.9	38.26	0.83	7.32	0.09
16/07/2025 18:00	14.7	353114.5	37.44	0.83	8.28	0.09
16/07/2025 19:00	14.7	356405.5	39.32	0.83	8.18	0.11
16/07/2025 20:00	14.7	354681.8	38.32	0.87	8.39	0.16
16/07/2025 21:00	14.7	350671.2	36.92	0.90	7.98	0.11
16/07/2025 22:00	14.7	350253.0	37.67	0.90	7.65	0.07
16/07/2025 23:00	14.7	333631.1	37.23	0.92	6.74	0.07
17/07/2025 00:00	14.6	330165.5	31.65	0.93	8.91	0.09
17/07/2025 01:00	14.6	331673.1	32.04	0.97	6.88	0.09
17/07/2025 02:00	14.6	329923.7	31.77	0.99	7.34	0.11
17/07/2025 03:00	14.6	327676.7	30.94	1.03	7.40	0.11
17/07/2025 04:00	14.6	327358.0	30.37	1.05	8.20	0.11
17/07/2025 05:00	14.6	322989.0	29.46	1.05	8.16	0.13

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
17/07/2025 06:00	14.6	324132.5	29.38	1.05	8.36	0.22
17/07/2025 07:00	14.6	332850.6	30.73	1.01	9.47	0.26
17/07/2025 08:00	14.7	308236.8	34.49	1.02	11.88	0.16
17/07/2025 09:00	14.7	358183.3	35.78	0.98	10.77	0.11
17/07/2025 10:00	14.7	355919.1	35.23	0.96	8.88	0.11
17/07/2025 11:00	14.7	355313.2	37.80	0.90	7.32	0.11
17/07/2025 12:00	14.7	263164.7	39.14	0.85	6.33	0.09
17/07/2025 13:00	14.6	358063.8	33.45	0.82	6.24	0.09
17/07/2025 14:00	14.6	356658.6	35.36	0.89	7.18	0.07
17/07/2025 15:00	14.7	354112.9	36.51	0.91	8.60	0.09
17/07/2025 16:00	14.7	353626.5	36.43	0.91	8.63	0.09
17/07/2025 17:00	14.7	354724.5	37.29	0.90	8.46	0.07
17/07/2025 18:00	14.7	349007.1	35.92	0.91	14.95	0.04
17/07/2025 19:00	14.7	351112.0	36.79	1.00	14.86	0.04
17/07/2025 20:00	14.7	351316.8	36.78	1.05	7.08	0.07
17/07/2025 21:00	14.7	347934.8	35.45	1.07	8.23	0.07
17/07/2025 22:00	14.7	348119.7	35.08	1.14	7.42	0.13
17/07/2025 23:00	14.7	333978.3	35.18	1.16	8.30	0.16
18/07/2025 00:00	14.6	331815.3	31.17	1.12	8.62	0.22
18/07/2025 01:00	14.6	332970.1	31.05	1.10	7.88	0.24
18/07/2025 02:00	14.6	331803.9	30.47	1.10	8.44	0.39
18/07/2025 03:00	14.6	330248.0	30.34	1.07	13.29	0.26
18/07/2025 04:00	14.6	328475.9	29.81	1.07	15.04	0.22
18/07/2025 05:00	14.5	322883.8	28.78	1.05	17.20	0.22
18/07/2025 06:00	14.6	322798.4	28.70	1.05	16.09	0.20
18/07/2025 07:00	14.6	330828.3	29.82	1.06	12.80	0.22
18/07/2025 08:00	14.6	296950.5	33.92	1.02	7.43	0.20
18/07/2025 09:00	14.7	360990.8	39.58	1.02	6.14	0.14
18/07/2025 10:00	14.8	358675.4	39.53	0.97	6.51	0.14
18/07/2025 11:00	14.7	357418.1	41.11	0.90	6.30	0.07
18/07/2025 12:00	14.7	263315.6	41.14	0.83	5.78	0.07
18/07/2025 13:00	14.7	358115.0	41.70	0.86	6.13	0.07
18/07/2025 14:00	14.7	356229.2	41.11	0.83	6.32	0.05
18/07/2025 15:00	14.7	356761.0	41.59	0.79	6.21	0.04
18/07/2025 16:00	14.7	354075.8	41.00	0.79	6.30	0.04
18/07/2025 17:00	14.7	354792.7	41.54	0.79	6.22	0.05
18/07/2025 18:00	14.7	353387.6	40.24	0.81	6.14	0.04
18/07/2025 19:00	14.7	354431.5	40.00	0.87	6.41	0.04
18/07/2025 20:00	14.7	353498.5	39.25	0.89	6.80	0.07
18/07/2025 21:00	14.7	349009.9	37.60	0.94	6.84	0.07
18/07/2025 22:00	14.7	350335.6	38.19	0.92	6.82	0.07
18/07/2025 23:00	14.9	317386.0	40.08	1.28	7.29	19.72
19/07/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
19/07/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
19/07/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
19/07/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
19/07/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
19/07/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
19/07/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
19/07/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
19/07/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
19/07/2025 09:00	14.7	356997.2	44.86	1.04	5.87	0.05
19/07/2025 10:00	14.8	355518.0	45.38	0.97	5.76	0.02
19/07/2025 11:00	14.7	352559.8	43.05	0.92	5.88	0.02
19/07/2025 12:00	14.7	261451.3	42.87	0.83	5.47	0.02
19/07/2025 13:00	14.7	355574.9	42.44	0.83	5.95	0.02
19/07/2025 14:00	14.7	354366.0	41.63	0.81	5.98	0.04
19/07/2025 15:00	14.7	352642.3	40.85	0.82	5.97	0.04
19/07/2025 16:00	14.6	353418.8	37.95	0.84	5.85	0.02
19/07/2025 17:00	14.6	348372.8	36.31	0.95	8.89	0.02
19/07/2025 18:00	14.6	344845.7	36.05	0.99	8.08	0.02
19/07/2025 19:00	14.6	348941.7	37.41	1.04	7.59	0.02
19/07/2025 20:00	14.7	348736.9	37.47	1.05	7.48	0.02
19/07/2025 21:00	14.7	343571.4	35.50	1.05	7.72	0.04
19/07/2025 22:00	14.7	343648.2	35.31	1.02	7.71	0.04

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
19/07/2025 23:00	14.7	330159.6	35.27	1.07	7.56	0.04
20/07/2025 00:00	14.6	326106.5	31.63	1.06	7.17	0.07
20/07/2025 01:00	14.6	327611.3	31.91	1.05	7.03	0.11
20/07/2025 02:00	14.6	326163.4	31.40	1.05	7.15	0.09
20/07/2025 03:00	14.6	323910.7	31.37	1.05	6.85	0.09
20/07/2025 04:00	14.5	322312.0	30.70	1.03	6.85	0.11
20/07/2025 05:00	14.5	313886.8	31.22	1.05	6.78	0.09
20/07/2025 06:00	14.5	311372.3	31.89	1.04	6.81	0.11
20/07/2025 07:00	14.5	314100.1	30.98	1.05	6.78	0.09
20/07/2025 08:00	14.6	316429.7	30.45	1.03	6.44	0.07
20/07/2025 09:00	14.6	313417.4	31.07	0.99	6.16	0.07
20/07/2025 10:00	14.6	314265.1	31.03	0.92	5.96	0.04
20/07/2025 11:00	14.6	311562.9	31.27	0.88	6.02	0.07
20/07/2025 12:00	14.6	308911.8	31.75	0.83	5.90	0.04
20/07/2025 13:00	14.6	312879.9	31.11	0.79	5.82	0.04
20/07/2025 14:00	14.5	311397.9	31.30	0.79	5.88	0.04
20/07/2025 15:00	14.5	309341.4	31.15	0.76	5.96	0.04
20/07/2025 16:00	14.5	310831.8	31.42	0.76	5.80	0.04
20/07/2025 17:00	14.6	290444.9	34.84	0.77	5.94	0.04
20/07/2025 18:00	14.6	314845.9	35.64	0.77	6.31	0.04
20/07/2025 19:00	14.6	342624.2	36.79	0.80	6.68	0.02
20/07/2025 20:00	14.7	343198.8	37.40	0.87	6.75	0.02
20/07/2025 21:00	14.7	343534.5	37.09	0.89	7.22	0.02
20/07/2025 22:00	14.7	343818.8	36.90	0.91	7.54	0.02
20/07/2025 23:00	14.6	315341.5	32.15	0.95	7.74	0.04
21/07/2025 00:00	14.6	320383.5	30.65	0.97	7.99	0.04
21/07/2025 01:00	14.6	320069.3	29.81	1.01	7.99	0.04
21/07/2025 02:00	14.5	318719.5	29.40	1.01	7.89	0.09
21/07/2025 03:00	14.5	314492.6	30.27	1.00	7.53	0.07
21/07/2025 04:00	14.5	310214.6	31.35	1.00	7.45	0.07
21/07/2025 05:00	14.5	307785.4	31.80	1.02	7.33	0.07
21/07/2025 06:00	14.5	309398.1	31.58	1.04	7.16	0.07
21/07/2025 07:00	14.6	325532.0	30.94	1.03	6.92	0.07
21/07/2025 08:00	14.7	307827.3	35.95	1.00	6.37	0.04
21/07/2025 09:00	14.7	357947.2	39.90	0.99	6.32	0.02
21/07/2025 10:00	14.7	358331.1	40.03	0.95	6.24	0.02
21/07/2025 11:00	14.7	353290.9	38.14	0.94	6.27	0.04
21/07/2025 12:00	14.7	280041.3	40.53	0.94	5.89	0.02
21/07/2025 13:00	14.7	356650.2	41.61	0.90	5.97	0.02
21/07/2025 14:00	14.7	356027.2	41.32	0.88	6.00	0.02
21/07/2025 15:00	14.7	356573.3	41.05	0.85	5.97	0.02
21/07/2025 16:00	14.7	357432.3	41.03	0.87	6.08	0.02
21/07/2025 17:00	14.7	355256.3	39.69	0.90	6.07	0.02
21/07/2025 18:00	14.7	358053.2	37.49	0.89	6.77	0.02
21/07/2025 19:00	14.7	353239.7	37.62	0.96	6.29	0.02
21/07/2025 20:00	14.7	352383.5	37.30	0.96	6.80	0.04
21/07/2025 21:00	14.7	347732.9	35.90	0.98	6.69	0.02
21/07/2025 22:00	14.7	349559.0	36.18	0.96	7.04	0.04
21/07/2025 23:00	14.7	335254.0	35.47	1.02	7.16	0.07
22/07/2025 00:00	14.6	331829.5	31.57	1.04	7.17	0.04
22/07/2025 01:00	14.6	332330.2	31.03	1.03	7.32	0.04
22/07/2025 02:00	14.6	331951.9	30.92	1.05	7.44	0.04
22/07/2025 03:00	14.6	329519.8	30.12	1.07	7.49	0.07
22/07/2025 04:00	14.6	329010.7	29.99	1.07	7.55	0.11
22/07/2025 05:00	14.5	323865.1	29.55	1.05	7.31	0.07
22/07/2025 06:00	14.5	323017.4	29.59	1.05	7.41	0.04
22/07/2025 07:00	14.6	333834.8	31.46	1.06	7.45	0.04
22/07/2025 08:00	14.6	312225.1	34.74	1.06	7.38	0.02
22/07/2025 09:00	14.7	357071.1	37.11	1.09	6.88	0.02
22/07/2025 10:00	14.7	354428.7	37.04	1.05	6.39	0.02
22/07/2025 11:00	14.7	353293.7	37.40	1.05	6.17	0.02
22/07/2025 12:00	14.7	262507.4	39.32	1.00	6.05	0.02
22/07/2025 13:00	14.7	356604.7	38.11	1.00	6.49	0.02
22/07/2025 14:00	14.7	358026.8	39.49	1.03	6.29	0.02
22/07/2025 15:00	14.7	357944.4	39.83	1.00	6.40	0.02

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1_NOx@7%O2	HRSO1_SOx@7%O2	HRSO1_Dust (7%O2)	HRSO1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
22/07/2025 16:00	14.7	357526.2	39.50	1.02	6.61	0.02
22/07/2025 17:00	14.6	354442.9	38.57	1.02	6.52	0.02
22/07/2025 18:00	14.6	351077.9	37.16	1.00	6.57	0.02
22/07/2025 19:00	14.6	352631.0	37.16	1.04	6.82	0.02
22/07/2025 20:00	14.6	351379.4	37.41	1.07	7.11	0.00
22/07/2025 21:00	14.6	346464.2	35.79	1.07	7.22	0.02
22/07/2025 22:00	14.6	347550.8	35.75	1.09	7.22	0.02
22/07/2025 23:00	14.6	333531.8	34.99	1.08	7.19	0.04
23/07/2025 00:00	14.6	330612.1	30.71	1.07	7.20	0.07
23/07/2025 01:00	14.6	331806.8	31.30	1.07	6.98	0.04
23/07/2025 02:00	14.5	331345.9	31.28	1.07	6.88	0.07
23/07/2025 03:00	14.5	328945.2	30.70	1.09	6.56	0.04
23/07/2025 04:00	14.5	326507.6	30.39	1.11	6.48	0.04
23/07/2025 05:00	14.5	321535.5	29.60	1.11	6.68	0.04
23/07/2025 06:00	14.5	322442.9	29.98	1.09	6.77	0.04
23/07/2025 07:00	14.6	334910.1	32.34	1.10	6.73	0.02
23/07/2025 08:00	14.6	300437.7	36.01	1.08	6.74	0.02
23/07/2025 09:00	14.6	358556.0	37.09	1.09	6.38	0.02
23/07/2025 10:00	14.6	357236.1	37.68	1.07	6.37	0.02
23/07/2025 11:00	14.7	355600.5	39.45	1.05	6.11	0.02
23/07/2025 12:00	14.7	261728.9	39.94	0.98	5.85	0.02
23/07/2025 13:00	14.6	355185.3	35.99	0.97	5.98	0.00
23/07/2025 14:00	14.6	356129.7	40.97	0.91	6.08	0.02
23/07/2025 15:00	14.6	355833.8	41.99	0.89	6.11	0.00
23/07/2025 16:00	14.6	356567.7	42.21	0.89	6.13	0.02
23/07/2025 17:00	14.7	355361.6	39.85	0.91	6.22	0.00
23/07/2025 18:00	14.7	351422.1	38.67	0.94	6.26	0.02
23/07/2025 19:00	14.7	353708.9	39.09	0.96	6.31	0.02
23/07/2025 20:00	14.7	352053.5	38.43	1.00	6.10	0.02
23/07/2025 21:00	14.7	348182.3	38.25	1.01	6.09	0.00
23/07/2025 22:00	14.7	348827.9	37.74	1.03	6.29	0.00
23/07/2025 23:00	14.6	330859.5	36.48	1.00	6.22	0.02
24/07/2025 00:00	14.6	329977.8	30.94	1.01	8.61	0.02
24/07/2025 01:00	14.6	329508.5	30.67	1.07	10.79	0.02
24/07/2025 02:00	14.5	328276.8	30.55	1.09	8.35	0.04
24/07/2025 03:00	14.5	326223.1	29.63	1.11	11.46	0.07
24/07/2025 04:00	14.5	325361.2	29.46	1.11	9.06	0.04
24/07/2025 05:00	14.5	320568.4	29.24	1.09	7.57	0.07
24/07/2025 06:00	14.5	321316.4	29.07	1.09	9.40	0.13
24/07/2025 07:00	14.6	329710.4	30.02	1.10	13.31	0.09
24/07/2025 08:00	14.6	300540.5	33.51	1.08	12.56	0.09
24/07/2025 09:00	14.7	358388.1	35.21	1.07	12.10	0.04
24/07/2025 10:00	14.6	354772.9	33.87	1.06	10.57	0.04
24/07/2025 11:00	14.7	349402.5	35.67	0.98	7.87	0.04
24/07/2025 12:00	14.7	260736.6	39.40	0.90	6.02	0.02
24/07/2025 13:00	14.6	353615.2	33.93	0.89	6.00	0.00
24/07/2025 14:00	14.7	355355.9	38.65	0.82	6.06	0.00
24/07/2025 15:00	14.6	354641.9	36.07	0.82	6.14	0.00
24/07/2025 16:00	14.7	353592.4	42.37	0.81	6.26	0.02
24/07/2025 17:00	14.7	353942.2	42.89	0.83	6.07	0.00
24/07/2025 18:00	14.7	351737.8	40.60	0.83	6.11	0.00
24/07/2025 19:00	14.7	354272.2	40.84	0.90	6.16	0.02
24/07/2025 20:00	14.7	353566.8	40.68	0.95	6.25	0.02
24/07/2025 21:00	14.7	348717.0	39.35	0.95	6.32	0.02
24/07/2025 22:00	14.7	348395.6	38.99	0.95	6.41	0.02
24/07/2025 23:00	14.7	332277.5	37.71	0.99	6.43	0.02
25/07/2025 00:00	14.7	331974.6	33.41	0.98	6.66	0.02
25/07/2025 01:00	14.7	332739.7	33.40	1.05	6.56	0.02
25/07/2025 02:00	14.7	330925.0	33.09	1.05	6.72	0.04
25/07/2025 03:00	14.6	328069.2	32.29	1.02	6.88	0.04
25/07/2025 04:00	14.6	327167.5	31.77	1.04	6.62	0.07
25/07/2025 05:00	14.6	321765.9	30.97	1.03	6.47	0.09
25/07/2025 06:00	14.6	322596.5	31.18	1.06	6.42	0.09
25/07/2025 07:00	14.6	332910.5	33.22	1.04	6.53	0.07
25/07/2025 08:00	14.7	299427.8	36.84	1.05	6.14	0.04

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1_NOx@7%O2	HRSO1_SOx@7%O2	HRSO1_Dust (7%O2)	HRSO1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
25/07/2025 09:00	14.7	355074.3	36.54	1.03	5.88	0.00
25/07/2025 10:00	14.8	353438.8	40.86	0.95	6.06	0.00
25/07/2025 11:00	14.8	351302.6	41.40	0.95	5.97	0.00
25/07/2025 12:00	14.8	258644.2	41.22	0.88	5.66	0.00
25/07/2025 13:00	14.6	352767.5	34.64	0.93	5.74	0.00
25/07/2025 14:00	14.6	351789.0	34.52	0.86	5.77	0.00
25/07/2025 15:00	14.7	352212.8	42.93	0.90	5.98	0.02
25/07/2025 16:00	14.6	350841.8	38.75	0.89	5.91	0.00
25/07/2025 17:00	14.6	350890.2	35.40	0.86	5.83	0.00
25/07/2025 18:00	14.7	351737.8	39.83	0.81	5.93	0.00
25/07/2025 19:00	14.8	355432.7	40.77	0.88	6.04	0.02
25/07/2025 20:00	14.8	356180.8	41.43	0.93	6.08	0.05
25/07/2025 21:00	14.8	349433.8	39.41	0.93	6.12	0.02
25/07/2025 22:00	14.8	348620.2	38.55	0.95	6.32	0.02
25/07/2025 23:00	14.7	333254.5	38.18	0.97	6.36	0.02
26/07/2025 00:00	14.7	330885.1	33.75	0.98	6.51	0.02
26/07/2025 01:00	14.7	332250.5	33.42	1.00	6.67	0.02
26/07/2025 02:00	14.7	331192.3	32.56	1.02	6.67	0.02
26/07/2025 03:00	14.6	328254.1	32.15	1.04	6.75	0.02
26/07/2025 04:00	14.6	328055.0	31.72	1.06	6.72	0.02
26/07/2025 05:00	14.6	322121.5	30.28	1.06	6.72	0.15
26/07/2025 06:00	14.6	322181.2	30.08	1.04	6.63	0.15
26/07/2025 07:00	14.7	330432.9	31.71	1.05	6.34	0.07
26/07/2025 08:00	14.7	294966.2	35.02	1.02	5.95	0.04
26/07/2025 09:00	14.7	352656.5	34.21	1.03	6.01	0.00
26/07/2025 10:00	14.8	354704.5	40.29	1.00	5.94	0.00
26/07/2025 11:00	14.8	354491.2	42.09	0.95	5.85	0.00
26/07/2025 12:00	14.8	261280.8	40.52	0.93	5.68	0.00
26/07/2025 13:00	14.7	351618.3	34.56	0.87	5.92	0.00
26/07/2025 14:00	14.7	354252.4	37.42	0.87	5.89	0.00
26/07/2025 15:00	14.7	354602.2	42.11	0.86	5.95	0.00
26/07/2025 16:00	14.7	355731.4	41.65	0.88	5.95	0.00
26/07/2025 17:00	14.7	353868.3	39.54	0.90	6.07	0.00
26/07/2025 18:00	14.6	346213.9	33.88	0.95	7.03	0.00
26/07/2025 19:00	14.6	347730.0	34.30	1.02	8.65	0.00
26/07/2025 20:00	14.7	347351.7	34.27	1.02	8.36	0.00
26/07/2025 21:00	14.7	342624.2	32.76	1.07	7.61	0.00
26/07/2025 22:00	14.7	342493.4	33.01	1.09	7.48	0.00
26/07/2025 23:00	14.6	326180.5	33.93	1.11	7.44	0.02
27/07/2025 00:00	14.7	357034.1	37.42	1.12	7.20	0.02
27/07/2025 01:00	14.7	354536.7	37.05	1.16	7.46	0.00
27/07/2025 02:00	14.7	354368.9	37.04	1.18	7.56	0.00
27/07/2025 03:00	14.7	354420.1	37.30	1.18	7.16	0.00
27/07/2025 04:00	14.7	354724.5	37.73	1.18	7.70	0.00
27/07/2025 05:00	14.7	355034.5	38.17	1.18	7.81	0.00
27/07/2025 06:00	14.7	354684.7	38.21	1.18	7.69	0.02
27/07/2025 07:00	14.7	355427.1	37.92	1.18	7.69	0.02
27/07/2025 08:00	14.7	356001.6	38.51	1.12	7.52	0.02
27/07/2025 09:00	14.8	357401.1	39.67	1.08	6.78	0.00
27/07/2025 10:00	14.8	358479.1	40.48	1.04	6.41	0.00
27/07/2025 11:00	14.8	358723.7	41.43	1.00	6.26	0.00
27/07/2025 12:00	14.8	357952.9	41.41	0.97	6.46	0.00
27/07/2025 13:00	14.7	357995.6	41.86	0.97	6.61	0.00
27/07/2025 14:00	14.7	358450.7	42.15	0.97	6.56	0.00
27/07/2025 15:00	14.7	357349.9	43.27	0.94	6.59	0.00
27/07/2025 16:00	14.7	357651.5	43.23	0.92	6.46	0.00
27/07/2025 17:00	14.7	356704.2	42.71	0.99	6.44	0.00
27/07/2025 18:00	14.7	360282.5	43.36	0.98	6.49	0.00
27/07/2025 19:00	14.6	366998.2	42.76	1.02	6.61	0.00
27/07/2025 20:00	14.7	367774.7	44.20	1.03	6.65	0.00
27/07/2025 21:00	14.7	369046.3	43.44	1.07	6.70	0.00
27/07/2025 22:00	14.7	367985.2	43.62	1.05	6.79	0.00
27/07/2025 23:00	14.7	367190.6	39.07	1.10	6.89	0.00
28/07/2025 00:00	14.7	356351.4	40.48	1.13	6.88	0.00
28/07/2025 01:00	14.7	355794.5	40.06	1.10	6.84	0.00

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
28/07/2025 02:00	14.7	355196.6	39.35	1.17	6.66	0.02
28/07/2025 03:00	14.7	354667.6	38.49	1.16	6.72	0.02
28/07/2025 04:00	14.7	354880.9	38.79	1.18	6.86	0.02
28/07/2025 05:00	14.7	355159.6	38.57	1.21	6.92	0.02
28/07/2025 06:00	14.7	355813.9	38.43	1.16	6.98	0.02
28/07/2025 07:00	14.7	356069.9	38.40	1.23	6.97	0.02
28/07/2025 08:00	14.7	356590.4	39.11	1.17	6.71	0.02
28/07/2025 09:00	14.7	356940.3	39.47	1.15	6.48	0.00
28/07/2025 10:00	14.7	356997.2	39.79	1.13	6.35	0.00
28/07/2025 11:00	14.8	358015.4	40.55	1.13	6.24	0.00
28/07/2025 12:00	14.7	357184.9	41.25	1.06	6.22	0.00
28/07/2025 13:00	14.7	356075.5	41.99	0.98	6.11	0.00
28/07/2025 14:00	14.7	355441.3	42.19	0.98	6.05	0.00
28/07/2025 15:00	14.6	355424.2	36.94	0.95	6.02	0.00
28/07/2025 16:00	14.6	356476.6	35.22	0.97	5.95	0.00
28/07/2025 17:00	14.5	312101.8	32.88	0.97	6.25	0.00
28/07/2025 18:00	14.6	313769.3	32.83	1.08	11.90	0.00
28/07/2025 19:00	14.5	334361.1	31.14	1.09	9.40	0.00
28/07/2025 20:00	14.6	335106.4	31.11	1.14	8.03	0.02
28/07/2025 21:00	14.6	335456.2	30.91	1.14	8.02	0.02
28/07/2025 22:00	14.6	337182.7	30.57	1.21	8.98	0.09
28/07/2025 23:00	14.5	305393.3	30.03	1.15	8.31	0.04
29/07/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
29/07/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
29/07/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
29/07/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
29/07/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
29/07/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
29/07/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
29/07/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
29/07/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
29/07/2025 09:00	14.7	358629.9	43.36	1.14	7.13	0.00
29/07/2025 10:00	14.7	354880.9	42.62	1.08	6.51	0.00
29/07/2025 11:00	14.7	354226.8	43.25	1.08	6.14	0.00
29/07/2025 12:00	14.7	260819.6	42.53	0.99	6.01	0.00
29/07/2025 13:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
29/07/2025 14:00	14.7	355941.9	46.00	1.23	6.48	0.00
29/07/2025 15:00	14.7	353325.0	46.03	1.37	6.47	0.00
29/07/2025 16:00	14.7	354536.7	45.11	1.35	6.41	0.00
29/07/2025 17:00	14.7	352059.2	43.05	1.30	6.48	0.00
29/07/2025 18:00	14.7	347929.0	41.03	1.33	6.66	0.00
29/07/2025 19:00	14.7	350881.7	40.85	1.35	7.24	0.00
29/07/2025 20:00	14.7	353171.4	40.89	1.40	7.03	0.00
29/07/2025 21:00	14.7	348489.5	38.93	1.40	7.07	0.00
29/07/2025 22:00	14.7	349601.7	39.11	1.42	7.27	0.00
29/07/2025 23:00	15.0	322245.4	41.30	1.64	7.59	9.65
30/07/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
30/07/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
30/07/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
30/07/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
30/07/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
30/07/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
30/07/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
30/07/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
30/07/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
30/07/2025 09:00	14.8	359707.9	46.05	1.34	6.50	0.02
30/07/2025 10:00	14.8	356911.9	46.53	1.30	6.24	0.00
30/07/2025 11:00	14.8	353518.4	46.14	1.25	5.97	0.00
30/07/2025 12:00	14.8	261715.0	44.90	1.18	5.67	0.00
30/07/2025 13:00	14.7	352483.0	37.48	1.14	6.02	0.00
30/07/2025 14:00	14.7	357361.3	42.98	1.17	6.41	0.00
30/07/2025 15:00	14.7	355688.7	41.52	1.19	6.83	0.00
30/07/2025 16:00	14.7	354351.9	41.43	1.17	6.61	0.00
30/07/2025 17:00	14.8	352960.9	41.29	1.20	6.03	0.00
30/07/2025 18:00	14.8	351279.8	40.95	1.24	6.08	0.00

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
30/07/2025 19:00	14.7	353805.7	40.60	1.26	6.44	0.00
30/07/2025 20:00	14.7	352764.6	39.99	1.30	6.37	0.02
30/07/2025 21:00	14.7	347735.7	38.08	1.35	6.35	0.02
30/07/2025 22:00	14.7	348165.2	37.91	1.32	6.34	0.02
30/07/2025 23:00	14.9	321952.0	39.26	1.62	6.68	7.87
31/07/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
31/07/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
31/07/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
31/07/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
31/07/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
31/07/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
31/07/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
31/07/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
31/07/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
31/07/2025 09:00	14.7	355694.4	41.88	1.29	5.82	0.00
31/07/2025 10:00	14.8	355811.1	46.05	1.27	5.76	0.00
31/07/2025 11:00	14.8	353632.2	46.28	1.22	5.76	0.00
31/07/2025 12:00	14.8	262009.3	45.15	1.18	5.54	0.00
31/07/2025 13:00	14.7	353970.6	44.16	1.21	5.98	0.00
31/07/2025 14:00	14.6	352901.2	37.24	1.17	5.76	0.00
31/07/2025 15:00	14.6	355978.9	37.68	1.17	5.80	0.00
31/07/2025 16:00	14.6	358186.2	38.09	1.20	5.81	0.00
31/07/2025 17:00	14.6	350958.4	36.66	1.21	5.97	0.00
31/07/2025 18:00	14.6	350127.8	36.79	1.26	6.84	0.00
31/07/2025 19:00	14.7	355560.7	39.66	1.28	7.29	0.00
31/07/2025 20:00	14.7	354980.4	39.22	1.34	6.36	0.00
31/07/2025 21:00	14.7	348876.3	37.92	1.37	7.32	0.00
31/07/2025 22:00	14.7	350318.4	38.38	1.35	6.78	0.00
31/07/2025 23:00	14.9	322836.8	40.72	1.70	7.43	16.93
Minimum	14.47	256,714.00	28.70	0.54	5.44	0.00
Maximum	15.04	369,046.30	46.85	1.70	17.20	73.60
Avg	14.66	338,989.80	37.34	0.93	6.99	0.47
SUM						
STD			STD = 60	STD = 6	STD = 28	STD = 690

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1_NOx@7%O2	HRSO1_SOx@7%O2	HRSO1_Dust (7%O2)	HRSO1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
01/07/2025 00:00	14.5	351774.8	24.31	0.04	7.68	0.96
01/07/2025 01:00	14.5	351382.3	24.05	0.07	7.47	0.94
01/07/2025 02:00	14.5	351814.6	24.16	0.09	7.57	0.92
01/07/2025 03:00	14.5	349422.4	24.35	0.07	7.46	0.89
01/07/2025 04:00	14.5	347528.0	24.18	0.07	7.65	0.92
01/07/2025 05:00	14.5	344365.0	23.93	0.07	7.46	0.91
01/07/2025 06:00	14.5	342368.2	23.84	0.04	7.44	0.91
01/07/2025 07:00	14.6	353572.4	24.36	0.04	7.45	0.92
01/07/2025 08:00	14.6	321970.7	25.72	0.02	7.46	0.92
01/07/2025 09:00	14.7	379377.2	27.16	0.02	7.21	0.87
01/07/2025 10:00	14.7	377647.8	28.00	0.42	6.87	0.85
01/07/2025 11:00	14.7	374908.6	28.45	0.58	6.46	0.80
01/07/2025 12:00	14.7	286270.1	31.31	0.36	7.37	0.72
01/07/2025 13:00	14.7	378256.5	28.07	0.38	6.44	0.78
01/07/2025 14:00	14.7	378552.4	28.05	0.42	6.53	0.83
01/07/2025 15:00	14.7	376703.5	27.73	0.36	6.34	0.83
01/07/2025 16:00	14.6	375397.9	26.17	0.51	6.06	0.79
01/07/2025 17:00	14.5	370354.7	25.40	0.76	8.26	0.79
01/07/2025 18:00	14.5	366765.0	24.99	0.74	10.15	0.85
01/07/2025 19:00	14.5	369296.6	25.48	0.87	11.28	0.85
01/07/2025 20:00	14.5	369609.5	25.48	0.74	10.91	0.90
01/07/2025 21:00	14.6	365900.3	24.78	0.85	9.76	0.85
01/07/2025 22:00	14.6	367786.1	25.17	0.79	9.08	0.88
01/07/2025 23:00	14.5	351316.8	26.03	0.70	8.98	0.90
02/07/2025 00:00	14.6	380987.2	25.80	0.83	11.55	1.07
02/07/2025 01:00	14.6	378575.2	25.52	0.81	12.83	1.40
02/07/2025 02:00	14.5	378384.6	25.29	0.85	14.58	1.09
02/07/2025 03:00	14.5	377596.6	25.26	0.74	11.12	1.22
02/07/2025 04:00	14.5	377138.7	25.09	0.81	13.27	1.03
02/07/2025 05:00	14.5	377875.4	24.85	0.90	17.68	1.01
02/07/2025 06:00	14.5	377832.7	24.85	0.81	19.58	1.05
02/07/2025 07:00	14.5	380165.1	24.81	0.94	18.07	1.01
02/07/2025 08:00	14.5	311520.0	24.98	0.67	15.18	1.02
02/07/2025 09:00	14.5	376265.4	23.32	0.76	10.67	0.96
02/07/2025 10:00	14.6	375014.0	24.65	0.75	8.72	0.90
02/07/2025 11:00	14.6	370701.7	23.81	0.68	7.76	0.83
02/07/2025 12:00	14.6	286915.8	28.84	0.55	7.89	0.68
02/07/2025 13:00	14.7	376211.4	27.09	0.31	6.87	0.80
02/07/2025 14:00	14.7	378706.0	27.29	0.38	6.78	0.78
02/07/2025 15:00	14.7	378506.9	26.71	0.47	6.87	0.80
02/07/2025 16:00	14.6	377815.7	26.42	0.56	7.11	0.80
02/07/2025 17:00	14.6	375966.7	26.36	0.58	7.54	0.82
02/07/2025 18:00	14.6	371347.4	26.01	0.73	7.51	0.80
02/07/2025 19:00	14.6	372135.4	25.45	0.75	7.83	0.81
02/07/2025 20:00	14.6	371338.9	25.80	0.66	7.91	0.81
02/07/2025 21:00	14.6	367262.8	25.41	0.53	8.43	0.97
02/07/2025 22:00	14.6	368198.7	24.56	0.64	7.81	0.94
02/07/2025 23:00	14.5	360814.5	24.06	0.65	7.98	0.96
03/07/2025 00:00	14.5	377855.5	25.43	0.74	8.26	0.94
03/07/2025 01:00	14.5	377010.7	25.36	0.78	8.35	1.04
03/07/2025 02:00	14.5	376743.3	25.62	0.83	8.28	0.94
03/07/2025 03:00	14.5	376857.0	25.73	0.81	8.28	1.00
03/07/2025 04:00	14.5	377204.1	25.39	0.91	9.16	1.00
03/07/2025 05:00	14.5	377352.0	25.58	0.70	11.83	1.00
03/07/2025 06:00	14.5	377195.7	25.43	0.72	16.25	0.98
03/07/2025 07:00	14.5	377013.5	25.47	0.81	19.83	0.94
03/07/2025 08:00	14.5	318190.4	24.88	0.71	17.60	0.97
03/07/2025 09:00	14.5	374689.7	24.58	0.59	12.94	0.92
03/07/2025 10:00	14.6	374857.5	24.98	0.66	9.02	0.88
03/07/2025 11:00	14.6	373557.5	25.99	0.75	7.82	0.88
03/07/2025 12:00	14.6	285516.3	29.91	0.71	8.57	0.71
03/07/2025 13:00	14.6	373145.0	24.31	0.37	7.07	0.77
03/07/2025 14:00	14.7	378333.4	28.05	0.38	7.08	0.78
03/07/2025 15:00	14.7	378634.9	28.27	0.45	6.86	0.78
03/07/2025 16:00	14.7	378976.2	28.07	0.38	7.06	0.80

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1_NOx@7%O2	HRSO1_SOx@7%O2	HRSO1_Dust (7%O2)	HRSO1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
03/07/2025 17:00	14.7	378324.8	27.38	0.49	6.99	0.80
03/07/2025 18:00	14.7	375295.5	27.29	0.42	6.88	0.85
03/07/2025 19:00	14.7	376572.6	26.53	0.53	7.03	0.87
03/07/2025 20:00	14.6	377215.5	25.90	0.55	7.37	0.89
03/07/2025 21:00	14.6	372593.2	26.25	0.62	7.39	0.82
03/07/2025 22:00	14.6	372331.5	26.16	0.57	7.60	0.91
03/07/2025 23:00	14.6	363004.7	25.49	0.64	7.81	1.03
04/07/2025 00:00	14.6	381766.6	27.07	0.64	7.99	0.86
04/07/2025 01:00	14.6	380219.2	26.72	0.69	8.15	0.86
04/07/2025 02:00	14.6	379374.4	26.52	0.71	8.17	0.95
04/07/2025 03:00	14.6	378859.6	26.54	0.64	8.15	0.95
04/07/2025 04:00	14.6	378930.6	26.39	0.75	8.24	0.88
04/07/2025 05:00	14.6	379306.2	26.43	0.69	8.31	0.91
04/07/2025 06:00	14.6	379479.6	26.72	0.71	8.21	0.86
04/07/2025 07:00	14.6	382506.2	26.94	0.73	8.22	0.84
04/07/2025 08:00	14.6	319561.5	25.68	0.74	8.34	0.83
04/07/2025 09:00	14.6	376740.5	24.43	0.73	7.46	0.73
04/07/2025 10:00	14.7	378179.7	26.69	0.69	7.15	0.78
04/07/2025 11:00	14.7	375628.3	26.84	0.49	7.12	0.76
04/07/2025 12:00	14.7	286442.1	29.34	0.40	8.55	0.69
04/07/2025 13:00	14.6	375147.6	24.30	0.40	6.70	0.66
04/07/2025 14:00	14.7	379351.7	27.33	0.38	6.87	0.73
04/07/2025 15:00	14.6	376128.9	26.00	0.31	6.84	0.71
04/07/2025 16:00	14.6	375639.7	26.78	0.27	6.74	0.73
04/07/2025 17:00	14.7	38154.2	28.61	0.34	6.60	0.76
04/07/2025 18:00	14.7	375634.0	26.99	0.67	6.63	0.74
04/07/2025 19:00	14.7	378614.9	27.33	0.47	6.76	0.83
04/07/2025 20:00	14.7	378364.7	27.64	0.49	7.11	0.83
04/07/2025 21:00	14.7	373392.5	27.31	0.45	7.37	0.87
04/07/2025 22:00	14.7	372817.9	27.51	0.53	7.43	0.85
04/07/2025 23:00	14.6	354186.9	25.73	0.55	7.63	0.88
05/07/2025 00:00	14.6	379536.5	26.30	0.66	7.67	0.82
05/07/2025 01:00	14.6	379971.8	26.41	0.57	8.12	0.77
05/07/2025 02:00	14.6	381266.0	27.58	0.64	8.26	0.78
05/07/2025 03:00	14.6	381240.4	27.71	0.56	8.33	0.80
05/07/2025 04:00	14.6	381015.6	27.60	0.67	8.35	0.82
05/07/2025 05:00	14.6	381857.5	27.42	0.64	8.42	0.84
05/07/2025 06:00	14.6	380865.0	26.91	0.71	8.85	0.73
05/07/2025 07:00	14.6	382819.1	27.05	0.64	8.22	0.71
05/07/2025 08:00	14.6	319012.5	25.92	0.68	7.64	0.74
05/07/2025 09:00	14.6	374339.8	23.83	0.66	6.76	0.68
05/07/2025 10:00	14.7	376160.2	26.40	0.42	7.03	0.71
05/07/2025 11:00	14.7	375096.4	27.35	0.25	6.94	0.72
05/07/2025 12:00	14.7	287598.4	28.94	0.42	8.20	0.65
05/07/2025 13:00	14.7	376763.2	27.91	0.42	6.76	0.71
05/07/2025 14:00	14.6	377113.0	25.54	0.53	6.68	0.69
05/07/2025 15:00	14.7	378307.8	28.71	0.45	6.59	0.74
05/07/2025 16:00	14.6	376541.4	25.44	0.57	6.61	0.64
05/07/2025 17:00	14.7	375742.1	27.64	0.47	7.29	0.71
05/07/2025 18:00	14.6	371444.1	26.71	0.51	8.98	0.73
05/07/2025 19:00	14.6	374587.2	26.85	0.60	8.76	0.71
05/07/2025 20:00	14.6	373657.1	26.32	0.60	8.21	0.75
05/07/2025 21:00	14.6	369757.3	26.03	0.57	8.02	0.75
05/07/2025 22:00	14.6	369327.9	26.23	0.62	8.06	0.73
05/07/2025 23:00	14.6	353737.5	24.75	0.72	8.34	0.75
06/07/2025 00:00	14.6	381510.6	27.51	0.64	8.46	0.73
06/07/2025 01:00	14.6	379858.0	27.18	0.69	8.45	0.73
06/07/2025 02:00	14.6	379590.6	27.49	0.51	8.58	0.78
06/07/2025 03:00	14.6	379027.5	26.87	0.71	8.65	0.77
06/07/2025 04:00	14.6	379912.0	27.00	0.78	8.42	0.75
06/07/2025 05:00	14.6	380279.0	27.42	0.73	8.22	0.71
06/07/2025 06:00	14.6	380324.4	27.40	0.73	8.42	0.73
06/07/2025 07:00	14.6	380333.0	27.29	0.73	8.30	0.73
06/07/2025 08:00	14.7	381499.2	27.82	0.60	7.88	0.76
06/07/2025 09:00	14.7	383282.6	27.87	0.65	7.21	0.72

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1_NOx@7%O2	HRSO1_SOx@7%O2	HRSO1_Dust (7%O2)	HRSO1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
06/07/2025 10:00	14.7	383140.5	28.43	0.60	7.05	0.72
06/07/2025 11:00	14.7	381647.2	28.09	0.45	6.84	0.69
06/07/2025 12:00	14.6	380557.7	24.40	0.55	6.71	0.64
06/07/2025 13:00	14.6	381741.0	24.19	0.46	6.76	0.64
06/07/2025 14:00	14.6	380990.0	24.08	0.51	7.14	0.62
06/07/2025 15:00	14.6	381055.4	24.03	0.46	6.82	0.62
06/07/2025 16:00	14.6	381732.4	24.31	0.40	6.75	0.64
06/07/2025 17:00	14.5	334631.3	25.53	0.50	7.35	0.68
06/07/2025 18:00	14.7	337916.7	27.73	0.47	7.70	0.89
06/07/2025 19:00	14.7	365968.6	27.38	0.47	7.41	0.74
06/07/2025 20:00	14.7	367359.5	27.55	0.53	7.55	0.76
06/07/2025 21:00	14.7	367390.8	27.16	0.56	7.74	0.78
06/07/2025 22:00	14.6	366352.6	26.38	0.60	7.72	0.80
06/07/2025 23:00	14.6	363388.6	25.35	0.64	7.88	0.77
07/07/2025 00:00	14.6	379528.0	25.97	0.66	7.98	0.82
07/07/2025 01:00	14.6	379659.6	25.90	0.62	7.92	0.82
07/07/2025 02:00	14.6	379533.6	25.72	0.64	7.72	0.80
07/07/2025 03:00	14.6	379607.6	26.12	0.73	7.84	0.82
07/07/2025 04:00	14.6	380537.8	26.03	0.73	7.65	0.86
07/07/2025 05:00	14.6	380159.5	25.55	0.73	7.82	0.93
07/07/2025 06:00	14.6	379863.6	25.32	0.62	7.69	0.95
07/07/2025 07:00	14.6	382511.8	25.41	0.66	7.91	0.99
07/07/2025 08:00	14.6	320531.4	25.52	0.74	8.03	0.79
07/07/2025 09:00	14.7	381049.8	26.60	0.60	7.35	0.69
07/07/2025 10:00	14.7	378956.3	26.62	0.51	7.08	0.71
07/07/2025 11:00	14.7	376743.4	26.77	0.47	7.13	0.69
07/07/2025 12:00	14.7	287396.5	28.80	0.27	8.14	0.60
07/07/2025 13:00	14.6	375821.7	24.20	0.42	6.67	0.62
07/07/2025 14:00	14.7	378515.4	27.78	0.60	6.97	0.67
07/07/2025 15:00	14.6	377340.6	23.47	0.77	6.52	0.57
07/07/2025 16:00	14.6	379536.5	23.95	0.64	6.35	0.60
07/07/2025 17:00	14.6	379883.6	23.72	0.66	6.38	0.66
07/07/2025 18:00	14.5	372471.0	24.40	0.65	7.58	0.83
07/07/2025 19:00	14.6	376313.8	24.54	0.79	8.23	0.74
07/07/2025 20:00	14.6	376484.5	25.36	0.64	8.09	0.77
07/07/2025 21:00	14.6	371114.1	26.19	0.71	7.69	0.75
07/07/2025 22:00	14.6	372513.7	25.92	0.75	7.94	0.71
07/07/2025 23:00	14.6	353879.6	23.95	0.72	7.64	0.74
08/07/2025 00:00	14.6	380907.6	26.14	0.60	7.45	0.77
08/07/2025 01:00	14.6	378939.2	25.68	0.71	8.05	0.79
08/07/2025 02:00	14.6	378432.9	25.24	0.75	8.70	0.82
08/07/2025 03:00	14.6	378194.0	24.63	0.86	8.05	0.81
08/07/2025 04:00	14.6	378245.2	23.90	0.94	9.52	0.92
08/07/2025 05:00	14.6	379269.2	23.59	0.83	11.60	0.92
08/07/2025 06:00	14.6	379340.3	23.23	0.74	13.44	0.99
08/07/2025 07:00	14.6	380435.4	23.15	0.86	11.58	0.96
08/07/2025 08:00	14.5	324610.4	21.56	0.80	10.24	0.95
08/07/2025 09:00	14.6	380566.2	22.85	0.68	10.04	0.90
08/07/2025 10:00	14.6	379576.4	24.85	0.55	8.56	0.89
08/07/2025 11:00	14.7	378253.7	27.24	0.34	6.98	0.76
08/07/2025 12:00	14.6	289051.9	27.18	0.40	7.48	0.62
08/07/2025 13:00	14.6	381459.4	23.64	0.44	6.67	0.64
08/07/2025 14:00	14.6	382369.6	23.53	0.77	7.35	0.70
08/07/2025 15:00	14.6	379852.3	23.81	0.68	8.75	0.73
08/07/2025 16:00	14.6	380446.7	24.98	0.64	9.04	0.75
08/07/2025 17:00	14.6	377607.9	26.47	0.60	7.99	0.69
08/07/2025 18:00	14.6	372172.3	25.77	0.70	8.75	0.68
08/07/2025 19:00	14.6	373893.2	25.97	0.66	8.86	0.68
08/07/2025 20:00	14.6	373037.0	25.69	0.73	8.88	0.73
08/07/2025 21:00	14.6	369518.5	24.79	0.77	9.55	0.72
08/07/2025 22:00	14.6	370075.9	24.88	0.70	9.38	0.70
08/07/2025 23:00	14.5	351291.3	23.86	0.78	9.30	0.76
09/07/2025 00:00	14.6	380862.1	25.34	0.73	8.97	0.77
09/07/2025 01:00	14.6	381561.8	25.07	0.79	8.34	0.84
09/07/2025 02:00	14.6	379769.7	24.47	0.66	8.24	0.83

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1_NOx@7%O2	HRSO1_SOx@7%O2	HRSO1_Dust (7%O2)	HRSO1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
09/07/2025 03:00	14.6	379545.1	24.29	0.79	8.53	0.90
09/07/2025 04:00	14.6	380196.4	24.61	0.79	8.73	0.81
09/07/2025 05:00	14.6	381325.7	25.17	0.79	8.49	0.77
09/07/2025 06:00	14.6	380907.6	25.13	0.86	8.27	0.82
09/07/2025 07:00	14.6	383140.4	25.69	0.75	7.52	0.86
09/07/2025 08:00	14.5	323390.1	23.83	0.70	7.51	0.83
09/07/2025 09:00	14.7	380222.1	26.73	0.69	6.87	0.71
09/07/2025 10:00	14.7	381595.9	26.99	0.49	6.82	0.67
09/07/2025 11:00	14.7	379604.9	27.96	0.38	6.79	0.70
09/07/2025 12:00	14.6	289902.4	27.64	0.53	7.98	0.62
09/07/2025 13:00	14.7	379855.1	27.35	0.45	7.14	0.67
09/07/2025 14:00	14.7	380256.2	27.67	0.42	6.74	0.64
09/07/2025 15:00	14.6	381015.6	24.56	0.60	6.73	0.60
09/07/2025 16:00	14.6	378791.3	24.61	0.46	7.01	0.66
09/07/2025 17:00	14.7	378361.8	25.98	0.53	7.41	0.69
09/07/2025 18:00	14.7	375318.2	26.62	0.62	7.42	0.71
09/07/2025 19:00	14.7	378341.8	26.62	0.65	7.48	0.80
09/07/2025 20:00	14.7	376851.5	26.11	0.69	7.27	0.82
09/07/2025 21:00	14.6	370331.8	25.45	0.53	7.39	0.84
09/07/2025 22:00	14.6	371008.9	25.15	0.44	7.56	0.88
09/07/2025 23:00	14.8	344435.2	27.55	1.10	8.35	5.48
10/07/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
10/07/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
10/07/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
10/07/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
10/07/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
10/07/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
10/07/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
10/07/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
10/07/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
10/07/2025 09:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
10/07/2025 10:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
10/07/2025 11:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
10/07/2025 12:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
10/07/2025 13:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
10/07/2025 14:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
10/07/2025 15:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
10/07/2025 16:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
10/07/2025 17:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
10/07/2025 18:00	14.5	340937.4	23.01	0.59	6.90	0.85
10/07/2025 19:00	14.6	362694.6	24.83	0.64	6.70	0.70
10/07/2025 20:00	14.6	362305.0	25.59	0.62	7.28	0.71
10/07/2025 21:00	14.6	361875.4	25.62	0.44	7.70	0.73
10/07/2025 22:00	14.6	362162.7	25.26	0.59	7.87	0.72
10/07/2025 23:00	14.6	356786.7	26.25	0.74	8.16	0.68
11/07/2025 00:00	14.6	376976.5	26.25	0.61	7.79	0.68
11/07/2025 01:00	14.6	377511.3	27.45	0.68	7.80	0.73
11/07/2025 02:00	14.6	376766.2	27.58	0.59	7.90	0.75
11/07/2025 03:00	14.6	376592.6	27.45	0.70	7.81	0.73
11/07/2025 04:00	14.6	376473.0	27.47	0.66	8.01	0.77
11/07/2025 05:00	14.6	376788.9	27.08	0.77	7.95	0.75
11/07/2025 06:00	14.6	376453.2	26.70	0.83	7.85	0.75
11/07/2025 07:00	14.6	377198.5	26.99	0.70	7.80	0.72
11/07/2025 08:00	14.6	378395.9	27.76	0.55	7.44	0.71
11/07/2025 09:00	14.6	379328.9	27.98	0.64	7.02	0.66
11/07/2025 10:00	14.6	379789.8	27.76	0.69	7.10	0.66
11/07/2025 11:00	14.6	380008.7	27.71	0.69	7.02	0.62
11/07/2025 12:00	14.6	380452.4	28.13	0.69	6.98	0.64
11/07/2025 13:00	14.6	380119.7	28.82	0.58	6.64	0.64
11/07/2025 14:00	14.6	379840.9	28.89	0.47	6.51	0.64
11/07/2025 15:00	14.6	379963.2	29.22	0.47	6.48	0.67
11/07/2025 16:00	14.6	380199.4	30.22	0.49	6.47	0.71
11/07/2025 17:00	14.5	312621.0	25.62	0.50	7.06	0.68
11/07/2025 18:00	14.6	345269.5	26.57	0.50	6.75	0.61
11/07/2025 19:00	14.6	369470.1	26.72	0.59	6.87	0.75

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1_NOx@7%O2	HRSO1_SOx@7%O2	HRSO1_Dust (7%O2)	HRSO1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
11/07/2025 20:00	14.6	370181.2	27.91	0.62	6.95	0.77
11/07/2025 21:00	14.6	364762.5	27.76	0.38	7.13	0.75
11/07/2025 22:00	14.6	365516.3	27.49	0.53	7.45	0.77
11/07/2025 23:00	14.6	369382.0	28.46	0.59	7.58	0.73
12/07/2025 00:00	14.6	378381.7	28.82	0.69	7.31	0.69
12/07/2025 01:00	14.6	377738.8	28.82	0.64	7.36	0.69
12/07/2025 02:00	14.6	377807.2	28.66	0.69	7.51	0.69
12/07/2025 03:00	14.6	377332.2	28.46	0.66	7.57	0.71
12/07/2025 04:00	14.6	377414.6	28.51	0.62	7.63	0.68
12/07/2025 05:00	14.6	377579.5	28.20	0.77	7.49	0.66
12/07/2025 06:00	14.6	377357.7	28.20	0.70	7.60	0.64
12/07/2025 07:00	14.6	378623.5	28.33	0.66	7.52	0.64
12/07/2025 08:00	14.5	317365.5	26.03	0.61	7.61	0.68
12/07/2025 09:00	14.5	371572.1	25.24	0.63	6.47	0.61
12/07/2025 10:00	14.6	373025.5	27.69	0.38	6.49	0.64
12/07/2025 11:00	14.6	368904.0	28.00	0.40	6.48	0.67
12/07/2025 12:00	14.7	285817.8	30.59	0.31	7.75	0.51
12/07/2025 13:00	14.6	369979.2	25.30	0.29	6.19	0.59
12/07/2025 14:00	14.7	374277.2	28.92	0.43	6.33	0.63
12/07/2025 15:00	14.7	372687.2	29.03	0.63	6.34	0.65
12/07/2025 16:00	14.7	374760.7	29.42	0.74	5.95	0.63
12/07/2025 17:00	14.7	374359.7	29.03	0.56	5.92	0.67
12/07/2025 18:00	14.6	369492.8	26.72	0.66	5.82	0.64
12/07/2025 19:00	14.5	369103.1	26.29	0.70	7.52	0.61
12/07/2025 20:00	14.5	367672.4	26.53	0.74	8.20	0.63
12/07/2025 21:00	14.5	362922.2	25.53	0.76	8.39	0.65
12/07/2025 22:00	14.5	362706.0	25.06	0.80	9.70	0.67
12/07/2025 23:00	14.5	349880.3	24.48	0.63	10.50	0.74
13/07/2025 00:00	14.4	344876.9	23.24	0.73	11.88	0.77
13/07/2025 01:00	14.4	346933.6	23.26	0.69	10.82	0.77
13/07/2025 02:00	14.5	346700.3	23.32	0.75	9.65	0.80
13/07/2025 03:00	14.5	343426.3	23.17	0.86	8.58	0.80
13/07/2025 04:00	14.4	340485.2	22.58	0.77	8.55	0.88
13/07/2025 05:00	14.4	330777.1	21.63	0.90	9.95	0.90
13/07/2025 06:00	14.4	322838.3	21.33	0.64	14.18	0.87
13/07/2025 07:00	14.4	319288.3	20.41	0.79	10.58	0.87
13/07/2025 08:00	14.4	319106.4	20.37	0.73	8.54	0.85
13/07/2025 09:00	14.5	317209.0	21.25	0.60	7.24	0.78
13/07/2025 10:00	14.5	316213.6	21.57	0.41	6.29	0.78
13/07/2025 11:00	14.5	314666.1	22.02	0.32	6.34	0.74
13/07/2025 12:00	14.5	314654.8	22.25	0.28	6.12	0.72
13/07/2025 13:00	14.5	316350.0	22.28	0.39	6.75	0.70
13/07/2025 14:00	14.5	318850.3	22.62	0.65	6.68	0.72
13/07/2025 15:00	14.5	321959.3	23.17	0.61	6.66	0.74
13/07/2025 16:00	14.5	325224.7	23.76	0.74	6.40	0.70
13/07/2025 17:00	14.6	309981.3	24.94	0.53	7.03	0.66
13/07/2025 18:00	14.5	332554.8	23.60	0.70	6.36	0.72
13/07/2025 19:00	14.5	354761.4	23.07	0.70	7.15	0.65
13/07/2025 20:00	14.5	354309.1	23.44	0.72	8.74	0.69
13/07/2025 21:00	14.5	354917.9	23.70	0.76	9.10	0.72
13/07/2025 22:00	14.5	355495.3	24.10	0.70	7.97	0.70
13/07/2025 23:00	14.4	326285.6	22.42	0.73	7.75	0.73
14/07/2025 00:00	14.4	333095.3	21.56	0.66	8.19	0.86
14/07/2025 01:00	14.4	332940.6	21.59	0.75	8.29	0.84
14/07/2025 02:00	14.4	332279.0	21.01	0.77	8.58	0.90
14/07/2025 03:00	14.4	331163.9	21.12	0.75	10.25	0.90
14/07/2025 04:00	14.4	329955.1	21.85	0.71	8.40	0.81
14/07/2025 05:00	14.4	325256.1	22.12	0.66	7.74	0.82
14/07/2025 06:00	14.4	327050.9	22.19	0.69	7.84	0.79
14/07/2025 07:00	14.5	349109.5	23.76	0.70	7.24	0.72
14/07/2025 08:00	14.6	330577.9	25.20	0.66	7.48	0.64
14/07/2025 09:00	14.5	375619.7	24.33	0.42	6.23	0.57
14/07/2025 10:00	14.6	377283.7	27.36	0.33	6.20	0.60
14/07/2025 11:00	14.7	374817.6	27.69	0.56	6.07	0.60
14/07/2025 12:00	14.7	286082.3	27.13	0.76	7.57	0.47

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1_NOx@7%O2	HRSO1_SOx@7%O2	HRSO1_Dust (7%O2)	HRSO1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
14/07/2025 13:00	14.5	371768.4	23.43	0.81	6.19	0.52
14/07/2025 14:00	14.5	373799.3	23.82	0.61	6.23	0.57
14/07/2025 15:00	14.5	374026.8	23.73	0.63	6.12	0.57
14/07/2025 16:00	14.6	375790.5	23.97	0.66	6.02	0.57
14/07/2025 17:00	14.6	374800.5	24.43	0.33	5.95	0.59
14/07/2025 18:00	14.5	371125.5	24.23	0.61	5.76	0.59
14/07/2025 19:00	14.5	370545.3	25.11	0.74	7.93	0.61
14/07/2025 20:00	14.5	371267.8	25.90	0.70	8.61	0.68
14/07/2025 21:00	14.5	367282.7	25.47	0.74	8.60	0.70
14/07/2025 22:00	14.5	368793.1	25.68	0.70	8.41	0.72
14/07/2025 23:00	14.5	356067.0	24.80	0.72	8.53	0.74
15/07/2025 00:00	14.5	353137.2	23.65	0.65	9.17	0.80
15/07/2025 01:00	14.5	355575.0	23.52	0.76	9.27	0.85
15/07/2025 02:00	14.5	353390.5	24.21	0.65	8.66	0.72
15/07/2025 03:00	14.5	351598.4	24.23	0.72	8.46	0.74
15/07/2025 04:00	14.5	349851.9	24.58	0.61	8.07	0.74
15/07/2025 05:00	14.5	344055.0	24.37	0.67	7.59	0.74
15/07/2025 06:00	14.5	343864.4	24.46	0.74	7.71	0.74
15/07/2025 07:00	14.5	350759.4	24.94	0.66	7.61	0.72
15/07/2025 08:00	14.6	329229.7	26.87	0.66	7.20	0.66
15/07/2025 09:00	14.5	375352.3	25.20	0.61	6.34	0.61
15/07/2025 10:00	14.6	375340.9	27.45	0.35	6.20	0.64
15/07/2025 11:00	14.7	374482.0	28.45	0.29	6.10	0.62
15/07/2025 12:00	14.7	286389.5	29.21	0.29	7.63	0.54
15/07/2025 13:00	14.7	375193.1	28.65	0.60	6.18	0.64
15/07/2025 14:00	14.6	375690.9	26.98	0.66	6.05	0.64
15/07/2025 15:00	14.6	374800.5	30.22	0.69	6.01	0.69
15/07/2025 16:00	14.6	375150.4	30.42	0.49	5.79	0.71
15/07/2025 17:00	14.6	376584.0	29.41	0.64	5.91	0.73
15/07/2025 18:00	14.6	373981.4	26.81	0.77	7.23	0.77
15/07/2025 19:00	14.6	376854.2	27.49	0.77	7.97	0.73
15/07/2025 20:00	14.6	375853.0	27.27	0.71	7.58	0.66
15/07/2025 21:00	14.6	369965.0	26.15	0.77	7.62	0.68
15/07/2025 22:00	14.6	371208.0	26.28	0.66	8.04	0.66
15/07/2025 23:00	14.6	356448.2	25.37	0.63	7.73	0.63
16/07/2025 00:00	14.5	353145.7	24.54	0.59	8.71	0.63
16/07/2025 01:00	14.5	352207.1	24.29	0.69	8.57	0.67
16/07/2025 02:00	14.5	352514.4	23.72	0.80	8.15	0.65
16/07/2025 03:00	14.5	348919.0	24.02	0.69	10.68	0.67
16/07/2025 04:00	14.4	346159.8	23.60	0.77	16.09	0.69
16/07/2025 05:00	14.4	344328.0	23.03	0.75	11.60	0.71
16/07/2025 06:00	14.4	345116.0	23.28	0.73	12.74	0.75
16/07/2025 07:00	14.5	351837.3	23.99	0.78	14.59	0.71
16/07/2025 08:00	14.5	328535.6	25.80	0.76	14.34	0.63
16/07/2025 09:00	14.5	373972.8	24.49	0.65	10.35	0.63
16/07/2025 10:00	14.6	374510.5	25.37	0.64	8.22	0.68
16/07/2025 11:00	14.6	374098.0	26.61	0.44	7.19	0.71
16/07/2025 12:00	14.6	286130.7	27.58	0.35	8.05	0.58
16/07/2025 13:00	14.6	376515.8	24.65	0.28	6.79	0.61
16/07/2025 14:00	14.6	377480.0	26.89	0.53	6.51	0.71
16/07/2025 15:00	14.6	377465.7	27.11	0.33	6.95	0.71
16/07/2025 16:00	14.6	378154.1	26.98	0.51	7.63	0.71
16/07/2025 17:00	14.6	375238.6	25.86	0.57	7.78	0.68
16/07/2025 18:00	14.6	373096.7	25.63	0.57	8.70	0.70
16/07/2025 19:00	14.6	375531.6	26.55	0.64	8.62	0.73
16/07/2025 20:00	14.6	374157.7	26.20	0.57	8.97	0.79
16/07/2025 21:00	14.6	370232.4	25.74	0.68	8.51	0.70
16/07/2025 22:00	14.6	370164.2	26.92	0.61	7.43	0.61
16/07/2025 23:00	14.5	354642.0	26.93	0.70	8.37	0.61
17/07/2025 00:00	14.5	351089.2	23.84	0.78	8.52	0.63
17/07/2025 01:00	14.5	352875.6	24.44	0.69	8.29	0.63
17/07/2025 02:00	14.5	351783.3	24.38	0.67	8.56	0.65
17/07/2025 03:00	14.5	349314.3	23.87	0.80	8.98	0.67
17/07/2025 04:00	14.5	348927.5	23.38	0.84	10.00	0.67
17/07/2025 05:00	14.4	344160.2	23.09	0.73	9.49	0.71

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
17/07/2025 06:00	14.4	345682.0	22.68	0.97	10.05	0.77
17/07/2025 07:00	14.5	354715.9	23.12	0.78	11.28	0.82
17/07/2025 08:00	14.5	331638.9	24.93	0.78	12.29	0.74
17/07/2025 09:00	14.5	377554.0	24.92	0.70	10.98	0.70
17/07/2025 10:00	14.5	375406.4	24.97	0.61	9.91	0.72
17/07/2025 11:00	14.6	375284.1	26.48	0.62	8.50	0.73
17/07/2025 12:00	14.6	288531.4	26.94	0.53	8.31	0.60
17/07/2025 13:00	14.5	377858.3	24.53	0.65	6.87	0.63
17/07/2025 14:00	14.5	375941.1	25.84	0.70	7.87	0.65
17/07/2025 15:00	14.6	374086.6	25.94	0.66	9.13	0.68
17/07/2025 16:00	14.6	373458.0	25.76	0.63	9.13	0.68
17/07/2025 17:00	14.6	375275.5	26.17	0.62	8.78	0.64
17/07/2025 18:00	14.5	369652.1	26.41	0.65	12.20	0.54
17/07/2025 19:00	14.5	370838.3	26.80	0.65	10.27	0.57
17/07/2025 20:00	14.5	370624.9	26.67	0.72	9.14	0.63
17/07/2025 21:00	14.5	367717.9	25.84	0.83	8.79	0.63
17/07/2025 22:00	14.5	368013.8	25.41	0.91	8.79	0.70
17/07/2025 23:00	14.5	355256.4	25.41	0.93	10.45	0.72
18/07/2025 00:00	14.5	353219.7	23.50	0.86	11.11	0.80
18/07/2025 01:00	14.5	354670.4	23.45	0.78	10.05	0.84
18/07/2025 02:00	14.5	353495.7	23.07	0.91	10.55	0.97
18/07/2025 03:00	14.5	351558.6	23.09	0.80	14.09	0.84
18/07/2025 04:00	14.5	350051.0	22.84	0.84	15.84	0.78
18/07/2025 05:00	14.4	344239.8	22.71	0.90	19.19	0.77
18/07/2025 06:00	14.4	344601.1	23.07	0.77	15.56	0.77
18/07/2025 07:00	14.5	352315.3	23.04	0.86	12.80	0.80
18/07/2025 08:00	14.5	320824.4	24.00	0.72	9.47	0.78
18/07/2025 09:00	14.6	381146.5	27.01	0.86	7.59	0.73
18/07/2025 10:00	14.6	378936.4	27.16	0.64	7.58	0.71
18/07/2025 11:00	14.6	378006.2	28.24	0.55	6.96	0.60
18/07/2025 12:00	14.6	289231.2	27.47	0.33	8.19	0.53
18/07/2025 13:00	14.6	378691.8	28.58	0.38	6.94	0.60
18/07/2025 14:00	14.7	376308.1	28.87	0.38	7.07	0.58
18/07/2025 15:00	14.7	376899.8	28.98	0.36	7.12	0.58
18/07/2025 16:00	14.7	374735.1	28.78	0.29	7.34	0.60
18/07/2025 17:00	14.7	374675.5	28.91	0.27	7.13	0.58
18/07/2025 18:00	14.6	373165.0	27.82	0.46	7.26	0.58
18/07/2025 19:00	14.6	374061.0	27.84	0.64	7.78	0.62
18/07/2025 20:00	14.6	373190.7	27.54	0.59	8.34	0.64
18/07/2025 21:00	14.6	368872.7	26.84	0.64	8.38	0.66
18/07/2025 22:00	14.6	370295.0	26.77	0.75	8.11	0.68
18/07/2025 23:00	14.6	342938.3	29.37	0.73	8.53	0.60
19/07/2025 00:00	14.6	368606.6	28.28	0.64	8.42	0.75
19/07/2025 01:00	14.6	375924.1	27.69	0.70	8.38	0.66
19/07/2025 02:00	14.6	375457.6	27.58	0.72	8.22	0.64
19/07/2025 03:00	14.6	375506.0	27.93	0.64	8.24	0.61
19/07/2025 04:00	14.6	375053.7	27.36	0.81	8.29	0.59
19/07/2025 05:00	14.6	376296.7	27.34	0.63	8.25	0.68
19/07/2025 06:00	14.6	375836.0	27.14	0.81	8.06	0.68
19/07/2025 07:00	14.6	378387.4	27.84	0.59	7.54	0.77
19/07/2025 08:00	14.6	318719.5	25.79	0.66	7.05	0.63
19/07/2025 09:00	14.6	374447.9	27.82	0.53	6.62	0.60
19/07/2025 10:00	14.6	375301.2	28.33	0.38	6.51	0.58
19/07/2025 11:00	14.6	372479.6	28.16	0.36	6.66	0.58
19/07/2025 12:00	14.7	286958.4	28.13	0.31	8.18	0.44
19/07/2025 13:00	14.6	376663.6	28.49	0.29	6.71	0.56
19/07/2025 14:00	14.7	375324.0	28.36	0.24	6.85	0.58
19/07/2025 15:00	14.7	373927.2	28.22	0.31	6.75	0.56
19/07/2025 16:00	14.6	372650.1	27.23	0.37	6.92	0.53
19/07/2025 17:00	14.5	368173.0	26.08	0.54	9.88	0.52
19/07/2025 18:00	14.5	365698.4	25.69	0.74	9.72	0.52
19/07/2025 19:00	14.5	369549.7	26.36	0.74	9.18	0.52
19/07/2025 20:00	14.6	369316.4	26.97	0.59	8.89	0.57
19/07/2025 21:00	14.5	364552.1	25.88	0.70	9.07	0.55
19/07/2025 22:00	14.5	364725.6	25.83	0.68	9.05	0.57

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
19/07/2025 23:00	14.5	352724.8	25.73	0.68	9.23	0.57
20/07/2025 00:00	14.5	348290.3	24.43	0.78	8.64	0.59
20/07/2025 01:00	14.5	350423.6	24.43	0.78	8.38	0.65
20/07/2025 02:00	14.5	348628.8	24.37	0.69	8.57	0.65
20/07/2025 03:00	14.5	346330.5	24.42	0.78	8.52	0.61
20/07/2025 04:00	14.5	345127.3	23.97	0.80	8.80	0.65
20/07/2025 05:00	14.5	336283.9	23.47	0.84	8.64	0.65
20/07/2025 06:00	14.4	333726.8	22.88	0.84	8.61	0.67
20/07/2025 07:00	14.4	336187.2	22.92	0.80	8.67	0.65
20/07/2025 08:00	14.5	338986.2	23.73	0.61	8.42	0.63
20/07/2025 09:00	14.5	336158.8	23.55	0.63	7.74	0.61
20/07/2025 10:00	14.5	337285.3	23.90	0.52	7.36	0.59
20/07/2025 11:00	14.5	334594.3	23.86	0.52	7.19	0.59
20/07/2025 12:00	14.5	332094.0	24.26	0.31	7.18	0.59
20/07/2025 13:00	14.5	335899.9	24.54	0.33	6.95	0.55
20/07/2025 14:00	14.5	334756.5	24.65	0.26	7.15	0.57
20/07/2025 15:00	14.5	332202.2	24.37	0.35	7.18	0.59
20/07/2025 16:00	14.5	333058.3	24.58	0.28	7.02	0.59
20/07/2025 17:00	14.6	314731.6	25.39	0.46	7.62	0.55
20/07/2025 18:00	14.6	337979.2	25.93	0.53	7.97	0.59
20/07/2025 19:00	14.6	363994.5	25.91	0.55	8.28	0.55
20/07/2025 20:00	14.6	363806.7	26.22	0.59	8.12	0.53
20/07/2025 21:00	14.6	363741.4	26.31	0.57	8.34	0.50
20/07/2025 22:00	14.5	363983.1	26.20	0.68	8.46	0.50
20/07/2025 23:00	14.5	337757.4	23.82	0.76	8.67	0.52
21/07/2025 00:00	14.5	342154.8	23.70	0.67	8.89	0.54
21/07/2025 01:00	14.5	341305.3	23.30	0.69	8.92	0.56
21/07/2025 02:00	14.5	339757.0	23.19	0.62	8.94	0.67
21/07/2025 03:00	14.4	335911.3	22.92	0.75	8.61	0.58
21/07/2025 04:00	14.4	331983.2	22.64	0.73	8.53	0.60
21/07/2025 05:00	14.4	328905.4	22.49	0.66	8.42	0.60
21/07/2025 06:00	14.4	330831.1	22.45	0.73	8.33	0.60
21/07/2025 07:00	14.5	347468.3	23.98	0.67	8.26	0.61
21/07/2025 08:00	14.6	330663.3	26.55	0.70	8.29	0.53
21/07/2025 09:00	14.6	377104.5	27.29	0.73	7.79	0.55
21/07/2025 10:00	14.6	378009.1	27.51	0.59	7.67	0.55
21/07/2025 11:00	14.6	373563.2	26.53	0.66	7.67	0.59
21/07/2025 12:00	14.6	284637.4	29.15	0.46	8.23	0.46
21/07/2025 13:00	14.6	376987.9	28.24	0.40	7.29	0.55
21/07/2025 14:00	14.6	377445.9	28.02	0.56	7.26	0.53
21/07/2025 15:00	14.6	376558.4	28.04	0.49	7.20	0.53
21/07/2025 16:00	14.6	377849.7	27.71	0.60	7.57	0.53
21/07/2025 17:00	14.6	375372.3	27.36	0.53	7.52	0.53
21/07/2025 18:00	14.6	371813.9	26.46	0.50	8.09	0.53
21/07/2025 19:00	14.6	373836.2	26.36	0.53	8.08	0.55
21/07/2025 20:00	14.6	373463.6	26.11	0.57	8.21	0.59
21/07/2025 21:00	14.5	368884.2	25.53	0.68	8.02	0.59
21/07/2025 22:00	14.5	370627.8	25.85	0.55	8.11	0.59
21/07/2025 23:00	14.5	357031.3	24.65	0.72	8.40	0.61
22/07/2025 00:00	14.5	353859.7	24.24	0.41	8.21	0.61
22/07/2025 01:00	14.5	354300.7	23.81	0.52	8.37	0.59
22/07/2025 02:00	14.5	354130.0	23.57	0.74	8.63	0.59
22/07/2025 03:00	14.5	351316.8	23.40	0.69	8.81	0.58
22/07/2025 04:00	14.5	351001.0	23.32	0.71	8.94	0.67
22/07/2025 05:00	14.5	345955.0	23.54	0.69	8.71	0.63
22/07/2025 06:00	14.5	344857.1	23.57	0.82	8.72	0.56
22/07/2025 07:00	14.5	355822.4	24.11	0.78	8.88	0.54
22/07/2025 08:00	14.5	335203.0	25.84	0.61	9.52	0.50
22/07/2025 09:00	14.5	376689.2	26.27	0.61	9.19	0.52
22/07/2025 10:00	14.5	374900.1	26.34	0.61	8.55	0.55
22/07/2025 11:00	14.6	373762.3	26.49	0.59	8.30	0.53
22/07/2025 12:00	14.6	287635.4	26.99	0.68	8.78	0.42
22/07/2025 13:00	14.6	377547.8	26.48	0.57	8.38	0.50
22/07/2025 14:00	14.6	377599.5	27.10	0.64	8.16	0.53
22/07/2025 15:00	14.6	377602.3	27.34	0.62	8.10	0.49

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1_NOx@7%O2	HRSO1_SOx@7%O2	HRSO1_Dust (7%O2)	HRSO1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
22/07/2025 16:00	14.6	377261.0	27.14	0.59	8.37	0.51
22/07/2025 17:00	14.6	374402.3	26.75	0.68	8.57	0.55
22/07/2025 18:00	14.5	371657.5	25.99	0.74	8.63	0.52
22/07/2025 19:00	14.5	373071.1	26.10	0.68	8.99	0.50
22/07/2025 20:00	14.5	371805.4	26.27	0.76	9.22	0.48
22/07/2025 21:00	14.5	366992.5	25.94	0.63	9.22	0.52
22/07/2025 22:00	14.5	368033.7	25.88	0.72	9.14	0.50
22/07/2025 23:00	14.5	355134.1	24.60	0.85	9.29	0.52
23/07/2025 00:00	14.5	352366.4	23.42	0.67	9.11	0.61
23/07/2025 01:00	14.5	354186.9	23.59	0.83	8.93	0.59
23/07/2025 02:00	14.5	353666.3	23.74	0.76	8.84	0.61
23/07/2025 03:00	14.5	351439.2	23.51	0.71	8.94	0.63
23/07/2025 04:00	14.5	348606.1	23.37	0.76	9.17	0.58
23/07/2025 05:00	14.5	343824.5	23.08	0.82	9.48	0.58
23/07/2025 06:00	14.5	344444.5	23.31	0.76	9.56	0.58
23/07/2025 07:00	14.5	356738.3	24.10	0.85	9.48	0.54
23/07/2025 08:00	14.5	324394.1	24.98	0.85	9.73	0.54
23/07/2025 09:00	14.5	378000.5	25.49	0.74	9.08	0.50
23/07/2025 10:00	14.5	377591.0	25.94	0.68	8.90	0.55
23/07/2025 11:00	14.6	376037.9	27.03	0.64	8.61	0.55
23/07/2025 12:00	14.6	287174.6	26.65	0.62	8.63	0.46
23/07/2025 13:00	14.6	375562.8	25.02	0.63	7.88	0.48
23/07/2025 14:00	14.5	373441.0	24.59	0.57	7.61	0.46
23/07/2025 15:00	14.5	374007.0	24.53	0.50	7.53	0.44
23/07/2025 16:00	14.5	375050.9	24.48	0.59	7.64	0.48
23/07/2025 17:00	14.6	373870.4	25.65	0.68	7.84	0.48
23/07/2025 18:00	14.6	372331.6	26.74	0.64	8.14	0.51
23/07/2025 19:00	14.6	374260.1	27.01	0.71	8.25	0.53
23/07/2025 20:00	14.6	373187.7	26.68	0.66	8.09	0.57
23/07/2025 21:00	14.6	369270.9	26.94	0.73	7.93	0.51
23/07/2025 22:00	14.6	369657.8	26.59	0.75	8.16	0.48
23/07/2025 23:00	14.5	353689.0	24.92	0.83	8.28	0.52
24/07/2025 00:00	14.5	352702.1	23.32	0.87	9.22	0.48
24/07/2025 01:00	14.5	352411.9	23.27	0.82	10.99	0.47
24/07/2025 02:00	14.5	351080.8	23.25	0.80	10.11	0.54
24/07/2025 03:00	14.5	349075.4	22.86	0.75	12.99	0.62
24/07/2025 04:00	14.5	347795.3	22.97	0.86	10.73	0.60
24/07/2025 05:00	14.5	342775.0	23.17	0.73	9.68	0.65
24/07/2025 06:00	14.5	343099.3	23.08	0.58	11.21	0.75
24/07/2025 07:00	14.5	351521.6	23.12	0.69	14.33	0.69
24/07/2025 08:00	14.5	323648.9	23.49	0.71	13.51	0.65
24/07/2025 09:00	14.5	378194.0	24.27	0.74	12.77	0.63
24/07/2025 10:00	14.5	375406.4	23.60	0.74	11.59	0.63
24/07/2025 11:00	14.6	371202.4	25.27	0.40	9.80	0.62
24/07/2025 12:00	14.7	286651.2	27.42	0.36	8.94	0.38
24/07/2025 13:00	14.6	375872.9	25.23	0.26	7.14	0.44
24/07/2025 14:00	14.6	378780.0	29.02	0.31	7.31	0.49
24/07/2025 15:00	14.6	376592.6	25.17	0.48	7.45	0.44
24/07/2025 16:00	14.7	376638.0	28.62	0.60	7.54	0.49
24/07/2025 17:00	14.7	376962.3	28.89	0.80	7.41	0.45
24/07/2025 18:00	14.7	373199.1	28.38	0.78	7.67	0.53
24/07/2025 19:00	14.6	375742.1	28.42	0.58	7.69	0.55
24/07/2025 20:00	14.6	375412.1	28.13	0.75	7.75	0.55
24/07/2025 21:00	14.6	370454.3	27.80	0.66	7.76	0.53
24/07/2025 22:00	14.6	370332.0	27.71	0.60	7.94	0.55
24/07/2025 23:00	14.6	354772.8	26.27	0.59	8.13	0.57
25/07/2025 00:00	14.6	354633.4	24.87	0.72	8.10	0.55
25/07/2025 01:00	14.5	355811.0	24.89	0.66	8.11	0.59
25/07/2025 02:00	14.5	353763.1	24.94	0.70	8.09	0.59
25/07/2025 03:00	14.5	351444.8	24.58	0.65	8.39	0.63
25/07/2025 04:00	14.5	349675.5	24.41	0.67	8.33	0.67
25/07/2025 05:00	14.5	344541.4	23.96	0.78	8.24	0.69
25/07/2025 06:00	14.5	344990.8	24.28	0.65	8.23	0.72
25/07/2025 07:00	14.6	355887.8	24.69	0.70	8.27	0.68
25/07/2025 08:00	14.6	323896.3	25.74	0.66	8.38	0.59

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1_NOx@7%O2	HRSO1_SOx@7%O2	HRSO1_Dust (7%O2)	HRSO1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
25/07/2025 09:00	14.6	376140.4	24.95	0.74	7.14	0.48
25/07/2025 10:00	14.7	375073.7	27.73	0.47	7.25	0.51
25/07/2025 11:00	14.7	374692.4	28.27	0.38	7.01	0.47
25/07/2025 12:00	14.7	285931.5	29.25	0.62	8.81	0.33
25/07/2025 13:00	14.6	375730.6	25.51	0.68	6.86	0.42
25/07/2025 14:00	14.6	377266.7	30.40	0.36	7.04	0.53
25/07/2025 15:00	14.7	375406.4	29.69	0.38	7.22	0.49
25/07/2025 16:00	14.7	374959.8	30.60	0.67	7.05	0.51
25/07/2025 17:00	14.7	375648.2	31.00	0.64	7.12	0.53
25/07/2025 18:00	14.7	373443.8	28.36	0.69	7.21	0.51
25/07/2025 19:00	14.6	376734.8	27.56	0.82	7.47	0.55
25/07/2025 20:00	14.6	377539.8	27.93	0.75	7.54	0.64
25/07/2025 21:00	14.6	370826.8	27.78	0.64	7.70	0.60
25/07/2025 22:00	14.6	372026.8	27.67	0.62	7.89	0.62
25/07/2025 23:00	14.6	355930.5	26.81	0.59	8.18	0.57
26/07/2025 00:00	14.6	353948.0	25.74	0.61	8.06	0.55
26/07/2025 01:00	14.6	354946.4	25.50	0.66	8.18	0.53
26/07/2025 02:00	14.5	353834.1	25.02	0.70	8.13	0.55
26/07/2025 03:00	14.5	351635.4	24.72	0.79	8.22	0.55
26/07/2025 04:00	14.5	350941.4	24.72	0.59	8.27	0.57
26/07/2025 05:00	14.5	345079.0	24.04	0.63	8.30	0.80
26/07/2025 06:00	14.5	344840.1	23.81	0.69	8.24	0.80
26/07/2025 07:00	14.5	353353.5	24.22	0.68	7.94	0.65
26/07/2025 08:00	14.5	319368.0	24.68	0.61	8.14	0.57
26/07/2025 09:00	14.6	373514.8	24.87	0.31	7.16	0.48
26/07/2025 10:00	14.7	376953.7	27.84	0.36	6.96	0.47
26/07/2025 11:00	14.7	377258.2	28.69	0.38	6.96	0.44
26/07/2025 12:00	14.6	287535.9	28.09	0.47	8.66	0.38
26/07/2025 13:00	14.6	374752.2	25.54	0.35	7.18	0.42
26/07/2025 14:00	14.7	378947.8	29.40	0.31	7.37	0.47
26/07/2025 15:00	14.7	377920.9	28.44	0.40	7.34	0.47
26/07/2025 16:00	14.6	377280.9	28.36	0.38	7.42	0.51
26/07/2025 17:00	14.6	375033.8	27.09	0.60	7.77	0.46
26/07/2025 18:00	14.5	367652.5	24.74	0.65	8.54	0.46
26/07/2025 19:00	14.5	369347.7	25.02	0.70	9.97	0.43
26/07/2025 20:00	14.5	369555.4	24.78	0.63	10.03	0.50
26/07/2025 21:00	14.5	364534.9	24.11	0.70	9.62	0.48
26/07/2025 22:00	14.5	364540.6	24.19	0.80	9.35	0.48
26/07/2025 23:00	14.8	337823.9	27.14	1.43	10.44	17.52
27/07/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 09:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 10:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 11:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 12:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 13:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 14:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 15:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 16:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 17:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 18:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 19:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 20:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 21:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 22:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/07/2025 23:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/07/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/07/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
28/07/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/07/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/07/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/07/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/07/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/07/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/07/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/07/2025 09:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/07/2025 10:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/07/2025 11:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/07/2025 12:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/07/2025 13:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/07/2025 14:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/07/2025 15:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/07/2025 16:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/07/2025 17:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/07/2025 18:00	14.5	337238.2	25.34	0.52	16.10	0.54
28/07/2025 19:00	14.5	358043.9	24.27	0.67	11.28	0.46
28/07/2025 20:00	14.5	358840.4	24.17	0.61	10.25	0.52
28/07/2025 21:00	14.5	358632.7	23.38	0.65	10.78	0.59
28/07/2025 22:00	14.5	359454.8	22.80	0.71	11.28	0.69
28/07/2025 23:00	14.4	327380.8	21.05	0.68	10.45	0.62
29/07/2025 00:00	14.5	362242.3	26.05	0.72	9.51	0.48
29/07/2025 01:00	14.5	377494.3	26.23	0.68	8.99	0.52
29/07/2025 02:00	14.5	376911.1	26.38	0.74	9.30	0.50
29/07/2025 03:00	14.5	375653.9	26.47	0.61	9.21	0.52
29/07/2025 04:00	14.5	376507.2	26.23	0.81	9.06	0.48
29/07/2025 05:00	14.5	376274.0	26.14	0.68	9.59	0.54
29/07/2025 06:00	14.5	376447.5	25.62	0.76	10.90	0.63
29/07/2025 07:00	14.5	377866.9	25.79	0.74	10.05	0.61
29/07/2025 08:00	14.5	320875.6	24.28	0.54	9.25	0.54
29/07/2025 09:00	14.6	376982.2	26.24	0.68	9.15	0.51
29/07/2025 10:00	14.6	374066.7	26.32	0.79	8.37	0.46
29/07/2025 11:00	14.6	374979.8	27.73	0.47	7.34	0.44
29/07/2025 12:00	14.6	286307.0	28.49	0.31	8.39	0.33
29/07/2025 13:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
29/07/2025 14:00	14.6	376521.5	28.80	1.02	7.53	0.44
29/07/2025 15:00	14.7	373668.5	29.05	0.76	7.51	0.42
29/07/2025 16:00	14.7	375082.2	28.69	0.89	7.46	0.40
29/07/2025 17:00	14.6	372837.9	28.02	1.02	7.43	0.44
29/07/2025 18:00	14.6	368656.6	27.89	0.69	7.61	0.46
29/07/2025 19:00	14.6	371176.7	27.42	0.82	7.90	0.46
29/07/2025 20:00	14.6	373045.5	27.51	0.70	8.00	0.53
29/07/2025 21:00	14.6	369012.1	26.85	0.70	8.09	0.48
29/07/2025 22:00	14.6	370141.3	26.81	0.70	8.38	0.44
29/07/2025 23:00	14.6	355592.0	26.13	0.75	8.53	0.44
30/07/2025 00:00	14.6	380384.1	27.56	0.62	8.64	0.42
30/07/2025 01:00	14.6	378927.9	27.51	0.62	8.55	0.46
30/07/2025 02:00	14.6	377559.6	27.54	0.70	8.50	0.51
30/07/2025 03:00	14.6	377468.7	27.69	0.77	8.55	0.42
30/07/2025 04:00	14.6	377588.1	27.51	0.75	8.53	0.42
30/07/2025 05:00	14.6	377548.3	26.90	0.72	8.54	0.48
30/07/2025 06:00	14.6	377545.5	26.72	0.72	8.54	0.57
30/07/2025 07:00	14.6	378890.8	26.72	0.72	8.39	0.57
30/07/2025 08:00	14.5	320744.7	24.72	0.65	8.31	0.61
30/07/2025 09:00	14.6	379292.0	27.58	0.51	7.89	0.60
30/07/2025 10:00	14.7	377889.6	28.16	0.33	7.52	0.51
30/07/2025 11:00	14.7	374991.1	29.09	0.27	6.89	0.47
30/07/2025 12:00	14.6	287646.8	28.31	0.31	8.26	0.36
30/07/2025 13:00	14.6	374652.6	25.38	0.33	7.16	0.40
30/07/2025 14:00	14.6	379926.3	28.71	0.42	7.18	0.44
30/07/2025 15:00	14.6	376458.9	27.03	0.44	7.99	0.46
30/07/2025 16:00	14.6	375335.3	27.31	0.31	7.56	0.49
30/07/2025 17:00	14.6	373793.7	27.42	0.27	7.06	0.44
30/07/2025 18:00	14.6	372547.8	27.51	0.33	7.27	0.47

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/07/2025 00:00-31/07/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
30/07/2025 19:00	14.6	374612.8	26.85	0.55	7.92	0.51
30/07/2025 20:00	14.6	373955.8	26.68	0.48	8.08	0.57
30/07/2025 21:00	14.6	368451.8	25.87	0.55	7.95	0.59
30/07/2025 22:00	14.6	369401.8	25.50	0.59	7.81	0.61
30/07/2025 23:00	14.5	361067.6	24.79	0.59	7.91	0.65
31/07/2025 00:00	14.6	379653.2	25.52	0.68	8.36	0.63
31/07/2025 01:00	14.6	378566.6	25.98	0.64	8.46	0.61
31/07/2025 02:00	14.6	378014.7	26.26	0.68	8.54	0.57
31/07/2025 03:00	14.6	377161.4	26.44	0.61	8.50	0.55
31/07/2025 04:00	14.6	377303.8	26.57	0.68	8.63	0.55
31/07/2025 05:00	14.6	377730.4	26.31	0.77	8.55	0.68
31/07/2025 06:00	14.6	377531.2	26.59	0.64	8.43	0.64
31/07/2025 07:00	14.6	380096.9	26.85	0.66	7.90	0.53
31/07/2025 08:00	14.6	315633.2	26.66	0.57	7.62	0.46
31/07/2025 09:00	14.6	374826.1	24.65	0.46	6.90	0.42
31/07/2025 10:00	14.7	376407.6	27.96	0.27	6.64	0.45
31/07/2025 11:00	14.7	375855.9	29.00	0.27	6.46	0.42
31/07/2025 12:00	14.7	287422.1	28.76	0.20	8.30	0.33
31/07/2025 13:00	14.7	375935.5	30.05	0.42	6.83	0.42
31/07/2025 14:00	14.7	376231.4	30.96	0.53	6.85	0.47
31/07/2025 15:00	14.7	376168.8	30.81	0.60	6.68	0.45
31/07/2025 16:00	14.6	376564.1	30.62	0.47	6.68	0.49
31/07/2025 17:00	14.6	374069.5	25.70	0.61	7.44	0.48
31/07/2025 18:00	14.5	371717.2	25.64	0.59	8.22	0.48
31/07/2025 19:00	14.6	375858.7	26.00	0.61	7.80	0.44
31/07/2025 20:00	14.6	375204.5	25.61	0.68	7.89	0.46
31/07/2025 21:00	14.6	370568.0	25.47	0.68	7.95	0.46
31/07/2025 22:00	14.6	371603.4	25.76	0.66	7.97	0.51
31/07/2025 23:00	14.6	364122.5	25.70	0.74	8.38	0.44
Minimum	14.37	284,637.40	20.37	0.02	5.76	0.33
Maximum	14.84	383,282.60	31.31	1.43	19.83	17.52
Avg	14.57	362,486.82	25.91	0.62	8.32	0.70
SUM						
STD			STD = 60	STD = 6	STD = 28	STD = 690

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
01/08/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
01/08/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
01/08/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
01/08/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
01/08/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
01/08/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
01/08/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
01/08/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
01/08/2025 08:00	14.8	302615.8	45.43	1.49	6.42	0.02
01/08/2025 09:00	14.8	359275.5	41.45	1.45	6.23	0.00
01/08/2025 10:00	14.8	357924.5	45.59	1.37	6.02	0.00
01/08/2025 11:00	14.8	354673.2	44.37	1.32	6.09	0.00
01/08/2025 12:00	14.8	260499.4	43.96	1.29	5.70	0.00
01/08/2025 13:00	14.6	353441.6	35.64	1.29	5.91	0.00
01/08/2025 14:00	14.6	354206.8	35.02	1.28	5.89	0.00
01/08/2025 15:00	14.6	356593.3	35.78	1.26	5.88	0.00
01/08/2025 16:00	14.6	353754.5	39.21	1.29	5.88	0.00
01/08/2025 17:00	14.7	351444.8	42.48	1.28	5.83	0.00
01/08/2025 18:00	14.7	353509.9	39.85	1.26	5.88	0.00
01/08/2025 19:00	14.7	356718.4	42.78	1.30	5.96	0.00
01/08/2025 20:00	14.8	358226.0	41.34	1.36	6.13	0.00
01/08/2025 21:00	14.7	351570.0	38.16	1.35	6.42	0.00
01/08/2025 22:00	14.7	352249.8	37.31	1.37	6.85	0.00
01/08/2025 23:00	14.7	351075.1	36.12	1.39	7.40	0.00
02/08/2025 00:00	14.7	325766.5	33.34	1.36	7.40	0.00
02/08/2025 01:00	14.7	333177.8	33.80	1.41	6.89	0.00
02/08/2025 02:00	14.7	330936.4	33.70	1.39	6.73	0.00
02/08/2025 03:00	14.7	329300.7	33.40	1.41	6.76	0.00
02/08/2025 04:00	14.7	328538.6	33.15	1.40	6.86	0.00
02/08/2025 05:00	14.6	322417.3	32.33	1.38	6.88	0.00
02/08/2025 06:00	14.6	318858.8	32.09	1.40	6.75	0.00
02/08/2025 07:00	14.7	325261.7	32.70	1.41	6.40	0.00
02/08/2025 08:00	14.7	328737.2	35.87	1.35	5.89	0.00
02/08/2025 09:00	14.8	354502.6	38.38	1.36	5.81	0.00
02/08/2025 10:00	14.9	354593.6	41.93	1.33	5.84	0.00
02/08/2025 11:00	14.8	350910.0	42.14	1.28	5.84	0.00
02/08/2025 12:00	14.8	258587.1	44.26	1.26	5.43	0.00
02/08/2025 13:00	14.7	352343.7	43.35	1.22	5.96	0.00
02/08/2025 14:00	14.7	352119.0	43.25	1.17	5.91	0.00
02/08/2025 15:00	14.6	348825.1	34.14	1.15	5.72	0.00
02/08/2025 16:00	14.7	352454.5	40.74	1.18	5.79	0.00
02/08/2025 17:00	14.7	352264.0	45.06	1.22	5.92	0.00
02/08/2025 18:00	14.8	352079.2	41.47	1.20	5.70	0.00
02/08/2025 19:00	14.8	356209.2	40.05	1.22	6.34	0.00
02/08/2025 20:00	14.7	354257.9	39.60	1.24	6.95	0.00
02/08/2025 21:00	14.8	349476.4	37.38	1.31	6.74	0.00
02/08/2025 22:00	14.7	348680.0	36.40	1.31	6.97	0.00
02/08/2025 23:00	14.7	347525.2	35.90	1.35	6.91	0.00
03/08/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/08/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/08/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/08/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/08/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/08/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/08/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/08/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/08/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/08/2025 09:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/08/2025 10:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/08/2025 11:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/08/2025 12:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/08/2025 13:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/08/2025 14:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/08/2025 15:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/08/2025 16:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
03/08/2025 17:00	15.0	242736.3	39.04	1.21	6.00	0.02

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
03/08/2025 18:00	14.7	332921.8	37.40	1.14	6.56	0.00
03/08/2025 19:00	14.8	340058.4	39.73	1.20	6.88	0.00
03/08/2025 20:00	14.8	343062.2	39.14	1.25	7.27	0.00
03/08/2025 21:00	14.8	343909.9	38.89	1.27	6.73	0.00
03/08/2025 22:00	14.8	342749.4	37.99	1.27	6.54	0.00
03/08/2025 23:00	14.7	322990.3	36.21	1.28	6.59	0.00
04/08/2025 00:00	14.7	320440.4	31.34	1.31	6.64	0.00
04/08/2025 01:00	14.7	319940.8	30.54	1.36	6.78	0.00
04/08/2025 02:00	14.7	319342.4	30.81	1.34	6.82	0.00
04/08/2025 03:00	14.6	314358.9	31.20	1.35	7.02	0.00
04/08/2025 04:00	14.6	309233.3	32.47	1.33	7.33	0.00
04/08/2025 05:00	14.6	305953.6	33.24	1.35	7.26	0.02
04/08/2025 06:00	14.6	307944.7	33.30	1.37	7.20	0.00
04/08/2025 07:00	14.7	318582.9	32.82	1.37	6.70	0.00
04/08/2025 08:00	14.8	313735.3	38.31	1.33	6.17	0.00
04/08/2025 09:00	14.8	355759.8	40.30	1.35	6.07	0.00
04/08/2025 10:00	14.9	356212.2	43.68	1.31	6.11	0.00
04/08/2025 11:00	14.8	353245.4	43.33	1.24	6.01	0.00
04/08/2025 12:00	14.8	259184.5	43.50	1.23	5.85	0.00
04/08/2025 13:00	14.7	351601.2	36.26	1.16	6.13	0.00
04/08/2025 14:00	14.7	352312.3	34.74	1.16	5.96	0.00
04/08/2025 15:00	14.6	351965.3	34.68	1.13	6.00	0.00
04/08/2025 16:00	14.6	352192.9	34.93	1.18	5.93	0.00
04/08/2025 17:00	14.7	351757.7	39.26	1.25	5.95	0.00
04/08/2025 18:00	14.8	351814.6	43.34	1.20	5.97	0.00
04/08/2025 19:00	14.8	355264.8	39.75	1.25	6.52	0.02
04/08/2025 20:00	14.8	354727.2	39.81	1.27	6.87	0.00
04/08/2025 21:00	14.8	350736.6	38.29	1.25	6.60	0.00
04/08/2025 22:00	14.8	351080.8	36.85	1.29	6.67	0.00
04/08/2025 23:00	14.7	349724.0	35.86	1.35	6.93	0.00
05/08/2025 00:00	14.7	323668.5	32.52	1.34	6.66	0.00
05/08/2025 01:00	14.7	334199.0	31.26	1.36	6.89	0.00
05/08/2025 02:00	14.7	332933.2	31.02	1.36	6.56	0.00
05/08/2025 03:00	14.6	330250.8	30.28	1.40	6.63	0.00
05/08/2025 04:00	14.6	329457.3	29.92	1.39	8.32	0.02
05/08/2025 05:00	14.6	323134.1	28.88	1.37	8.78	0.00
05/08/2025 06:00	14.6	321435.9	28.93	1.35	7.57	0.00
05/08/2025 07:00	14.7	324462.4	32.78	1.39	6.61	0.00
05/08/2025 08:00	14.7	313735.2	38.25	1.35	6.12	0.00
05/08/2025 09:00	14.8	359548.7	39.54	1.34	6.13	0.16
05/08/2025 10:00	14.8	359432.0	45.51	1.37	6.55	1.92
05/08/2025 11:00	14.8	353763.1	43.53	1.37	6.64	1.88
05/08/2025 12:00	14.8	258928.5	44.47	1.27	6.06	1.84
05/08/2025 13:00	14.7	350582.9	35.61	1.27	6.14	1.76
05/08/2025 14:00	14.7	349792.3	35.09	1.27	6.07	1.80
05/08/2025 15:00	14.6	351558.6	35.70	1.27	6.04	1.82
05/08/2025 16:00	14.7	351109.2	42.91	1.26	6.03	1.95
05/08/2025 17:00	14.7	352093.4	42.69	1.24	6.10	1.98
05/08/2025 18:00	14.8	353427.3	41.86	1.25	6.09	2.04
05/08/2025 19:00	14.8	354585.1	41.95	1.32	6.51	2.18
05/08/2025 20:00	14.8	354494.1	38.94	1.31	7.43	1.92
05/08/2025 21:00	14.7	346430.1	35.50	1.37	9.22	1.86
05/08/2025 22:00	14.7	348347.2	36.27	1.44	7.59	1.87
05/08/2025 23:00	14.7	347607.7	35.20	1.44	7.74	1.89
06/08/2025 00:00	14.7	322274.7	31.97	1.47	7.52	1.96
06/08/2025 01:00	14.7	333792.2	31.19	1.45	7.94	2.01
06/08/2025 02:00	14.7	331641.8	30.78	1.45	8.82	2.09
06/08/2025 03:00	14.6	328609.6	30.64	1.47	6.93	2.22
06/08/2025 04:00	14.7	328131.7	31.20	1.49	7.32	2.02
06/08/2025 05:00	14.6	321882.5	30.31	1.46	7.18	2.04
06/08/2025 06:00	14.6	320494.4	30.62	1.47	7.15	2.00
06/08/2025 07:00	14.7	322303.5	32.50	1.45	7.22	2.00
06/08/2025 08:00	14.7	315566.9	39.53	1.42	6.97	1.99
06/08/2025 09:00	14.8	356988.7	40.17	1.37	6.77	1.97
06/08/2025 10:00	14.8	355589.1	41.01	1.35	6.38	1.90
06/08/2025 11:00	14.8	351783.2	40.85	1.30	6.22	1.85

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
06/08/2025 12:00	14.8	259736.7	42.31	1.20	5.77	1.88
06/08/2025 13:00	14.7	353680.5	42.60	1.24	6.11	1.91
06/08/2025 14:00	14.7	352477.3	36.58	1.27	6.21	1.85
06/08/2025 15:00	14.7	352875.5	38.00	1.29	6.19	1.87
06/08/2025 16:00	14.7	356439.6	36.60	1.27	5.81	1.92
06/08/2025 17:00	14.7	354189.7	41.30	1.26	6.79	1.96
06/08/2025 18:00	14.8	352898.3	39.21	1.27	7.09	1.97
06/08/2025 19:00	14.7	351515.8	36.69	1.32	8.63	1.88
06/08/2025 20:00	14.7	351160.4	36.31	1.43	12.51	1.90
06/08/2025 21:00	14.7	345170.0	34.73	1.47	13.23	1.97
06/08/2025 22:00	14.7	345682.0	34.72	1.48	12.76	1.95
06/08/2025 23:00	14.7	345841.3	34.64	1.48	8.86	2.06
07/08/2025 00:00	14.7	320152.7	32.14	1.49	9.39	2.09
07/08/2025 01:00	14.6	329855.4	30.44	1.51	7.91	2.04
07/08/2025 02:00	14.6	330026.1	30.75	1.51	7.55	2.09
07/08/2025 03:00	14.6	328803.0	30.30	1.48	9.78	2.17
07/08/2025 04:00	14.6	326866.0	29.55	1.48	10.39	2.23
07/08/2025 05:00	14.6	322084.5	28.62	1.50	8.97	2.25
07/08/2025 06:00	14.6	321629.4	28.48	1.50	8.19	2.27
07/08/2025 07:00	14.6	324172.3	30.28	1.44	9.94	2.15
07/08/2025 08:00	14.7	313812.0	36.87	1.44	9.86	2.02
07/08/2025 09:00	14.8	359656.7	38.59	1.41	7.68	2.07
07/08/2025 10:00	14.8	356485.1	40.35	1.37	6.80	1.99
07/08/2025 11:00	14.8	354374.5	41.79	1.30	6.15	1.96
07/08/2025 12:00	14.7	261354.5	38.23	1.29	6.48	1.89
07/08/2025 13:00	14.7	358362.4	39.02	1.31	6.98	1.85
07/08/2025 14:00	14.7	357159.3	36.29	1.32	6.31	1.86
07/08/2025 15:00	14.7	356351.5	37.31	1.30	7.44	1.91
07/08/2025 16:00	14.7	355805.4	41.97	1.33	6.50	1.92
07/08/2025 17:00	14.8	355842.3	40.79	1.34	6.23	1.89
07/08/2025 18:00	14.8	353546.9	40.24	1.35	6.21	1.94
07/08/2025 19:00	14.8	354855.3	40.54	1.39	6.27	1.94
07/08/2025 20:00	14.8	354377.5	39.81	1.43	6.30	1.91
07/08/2025 21:00	14.8	348916.1	37.38	1.40	6.66	1.88
07/08/2025 22:00	14.8	349573.2	37.10	1.43	6.79	1.92
07/08/2025 23:00	14.7	348159.5	36.33	1.44	7.56	2.08
08/08/2025 00:00	14.7	321926.3	33.10	1.45	8.04	2.17
08/08/2025 01:00	14.7	332992.9	31.58	1.45	9.34	2.44
08/08/2025 02:00	14.7	330683.2	30.61	1.47	10.92	2.23
08/08/2025 03:00	14.7	329972.1	30.27	1.45	11.01	2.07
08/08/2025 04:00	14.6	328345.1	29.57	1.44	11.66	2.08
08/08/2025 05:00	14.6	323623.3	28.66	1.46	10.69	2.12
08/08/2025 06:00	14.6	322004.8	28.11	1.46	14.43	2.17
08/08/2025 07:00	14.7	329406.1	29.72	1.45	8.06	2.14
08/08/2025 08:00	14.7	319273.4	35.79	1.42	6.77	2.01
08/08/2025 09:00	14.8	354275.0	36.40	1.43	6.42	1.93
08/08/2025 10:00	14.9	353771.6	40.66	1.41	6.03	1.87
08/08/2025 11:00	14.9	351299.7	41.93	1.34	6.07	1.85
08/08/2025 12:00	14.8	257607.2	43.71	1.30	5.78	1.83
08/08/2025 13:00	14.8	350136.4	43.43	1.27	6.19	1.87
08/08/2025 14:00	14.8	352565.6	41.13	1.24	5.90	1.83
08/08/2025 15:00	14.8	352471.6	43.85	1.27	5.90	1.90
08/08/2025 16:00	14.8	353000.7	44.36	1.25	6.16	1.91
08/08/2025 17:00	14.8	352195.7	40.31	1.27	6.00	1.91
08/08/2025 18:00	14.8	351191.7	39.52	1.30	7.01	1.98
08/08/2025 19:00	14.8	354383.1	39.88	1.34	6.72	2.05
08/08/2025 20:00	14.8	354292.1	39.67	1.37	6.79	1.94
08/08/2025 21:00	14.8	349994.2	38.09	1.37	6.73	1.89
08/08/2025 22:00	14.8	350875.9	37.93	1.42	7.17	1.89
08/08/2025 23:00	14.8	348432.5	37.33	1.43	7.44	1.84
09/08/2025 00:00	14.7	320057.7	33.71	1.44	9.93	1.91
09/08/2025 01:00	14.7	329343.5	32.20	1.48	8.06	1.89
09/08/2025 02:00	14.7	327622.6	31.72	1.48	7.10	1.88
09/08/2025 03:00	14.7	325105.3	31.31	1.50	7.29	1.88
09/08/2025 04:00	14.7	325304.3	31.10	1.47	7.34	1.90
09/08/2025 05:00	14.6	318810.5	30.42	1.49	7.59	1.95

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
09/08/2025 06:00	14.6	314558.1	31.04	1.51	7.54	1.97
09/08/2025 07:00	14.7	319669.6	30.23	1.47	6.94	1.96
09/08/2025 08:00	14.8	307663.2	37.82	1.46	6.23	1.89
09/08/2025 09:00	14.8	346913.7	37.12	1.44	6.11	1.92
09/08/2025 10:00	14.9	346239.5	38.23	1.40	6.11	1.86
09/08/2025 11:00	14.9	343571.4	39.56	1.36	6.04	1.80
09/08/2025 12:00	14.9	254634.7	43.59	1.31	5.83	1.73
09/08/2025 13:00	14.8	347698.7	38.95	1.32	6.07	1.80
09/08/2025 14:00	14.8	348168.0	40.54	1.30	6.24	1.80
09/08/2025 15:00	14.8	348560.5	41.18	1.28	6.27	1.82
09/08/2025 16:00	14.8	349820.7	41.88	1.30	6.11	1.82
09/08/2025 17:00	14.8	346387.4	40.02	1.29	5.79	1.89
09/08/2025 18:00	14.8	347951.9	40.20	1.30	6.04	1.85
09/08/2025 19:00	14.8	349988.4	40.90	1.32	6.14	1.85
09/08/2025 20:00	14.8	349795.1	40.90	1.35	6.25	1.92
09/08/2025 21:00	14.8	349697.7	39.49	1.39	6.31	1.91
09/08/2025 22:00	14.8	346353.3	39.42	1.42	6.37	1.89
09/08/2025 23:00	14.8	345150.0	38.76	1.46	6.47	1.89
10/08/2025 00:00	14.7	315861.9	33.39	1.43	6.62	1.96
10/08/2025 01:00	14.7	324781.0	31.10	1.43	6.96	1.94
10/08/2025 02:00	14.7	323296.2	31.46	1.47	7.25	1.90
10/08/2025 03:00	14.7	321743.1	31.01	1.49	7.42	1.89
10/08/2025 04:00	14.7	319720.8	30.78	1.49	7.38	1.93
10/08/2025 05:00	14.6	310419.4	32.74	1.48	7.35	1.93
10/08/2025 06:00	14.6	304053.5	34.05	1.48	7.34	1.90
10/08/2025 07:00	14.6	299951.8	34.76	1.50	7.78	1.88
10/08/2025 08:00	14.6	296868.4	35.41	1.46	6.91	1.93
10/08/2025 09:00	14.6	296840.0	35.57	1.42	6.64	1.89
10/08/2025 10:00	14.7	291811.1	37.12	1.36	6.09	1.85
10/08/2025 11:00	14.7	288648.0	38.05	1.31	5.87	1.85
10/08/2025 12:00	14.6	287538.7	38.30	1.31	5.88	1.82
10/08/2025 13:00	14.6	291105.6	37.10	1.26	5.87	1.84
10/08/2025 14:00	14.6	292027.2	36.68	1.26	5.84	1.84
10/08/2025 15:00	14.6	295136.2	35.89	1.22	5.77	1.83
10/08/2025 16:00	14.6	298256.5	35.29	1.24	5.68	1.83
10/08/2025 17:00	14.8	268050.9	40.55	1.27	5.63	1.79
10/08/2025 18:00	14.7	327397.9	34.91	1.26	5.90	1.91
10/08/2025 19:00	14.7	328973.7	34.07	1.30	7.30	1.90
10/08/2025 20:00	14.7	329113.1	33.90	1.34	6.82	1.85
10/08/2025 21:00	14.7	330307.7	33.82	1.37	7.72	1.79
10/08/2025 22:00	14.7	330614.9	33.71	1.39	8.33	1.81
10/08/2025 23:00	14.7	312575.0	34.96	1.41	8.13	1.84
11/08/2025 00:00	14.6	304989.3	33.25	1.41	7.81	1.88
11/08/2025 01:00	14.6	301787.8	33.90	1.41	6.78	1.89
11/08/2025 02:00	14.6	303828.8	33.87	1.48	6.27	1.90
11/08/2025 03:00	14.6	304406.3	34.62	1.46	6.26	1.88
11/08/2025 04:00	14.6	303510.2	34.52	1.48	6.87	1.92
11/08/2025 05:00	14.6	297753.1	35.15	1.47	6.33	1.98
11/08/2025 06:00	14.6	299727.2	34.64	1.50	6.25	1.89
11/08/2025 07:00	14.6	314026.1	31.99	1.53	6.43	1.86
11/08/2025 08:00	14.7	312640.1	40.26	1.51	6.23	1.81
11/08/2025 09:00	14.8	356195.1	39.90	1.50	6.22	1.80
11/08/2025 10:00	14.8	354570.9	40.01	1.44	6.16	1.76
11/08/2025 11:00	14.8	350708.1	39.85	1.39	6.05	1.76
11/08/2025 12:00	14.8	258160.4	42.20	1.34	5.70	1.77
11/08/2025 13:00	14.8	352400.6	40.68	1.38	5.99	1.76
11/08/2025 14:00	14.7	351282.7	41.57	1.39	5.86	1.77
11/08/2025 15:00	14.7	348529.3	37.63	1.36	5.83	1.73
11/08/2025 16:00	14.7	353566.8	37.74	1.31	5.52	1.71
11/08/2025 17:00	14.7	350935.7	40.06	1.33	5.72	1.76
11/08/2025 18:00	14.7	349678.5	39.27	1.35	6.22	1.71
11/08/2025 19:00	14.7	350585.9	38.69	1.42	6.66	1.73
11/08/2025 20:00	14.7	348472.4	38.90	1.44	6.77	1.76
11/08/2025 21:00	14.8	343491.9	37.74	1.51	7.01	1.74
11/08/2025 22:00	14.7	342280.0	36.49	1.51	7.42	1.78
11/08/2025 23:00	14.7	341688.3	36.23	1.55	6.29	1.78

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
12/08/2025 00:00	14.7	338260.9	38.97	1.54	6.71	1.84
12/08/2025 01:00	14.7	354903.6	37.65	1.60	8.25	1.84
12/08/2025 02:00	14.7	354616.4	37.19	1.59	8.54	1.86
12/08/2025 03:00	14.7	355014.6	37.06	1.57	9.30	1.88
12/08/2025 04:00	14.7	354696.0	36.90	1.61	8.41	1.91
12/08/2025 05:00	14.7	354815.5	36.47	1.61	8.58	1.90
12/08/2025 06:00	14.7	354650.6	36.06	1.65	10.13	1.94
12/08/2025 07:00	14.7	355028.8	36.88	1.64	9.37	1.82
12/08/2025 08:00	14.8	356411.2	38.82	1.61	7.54	1.81
12/08/2025 09:00	14.8	358285.7	40.74	1.57	6.44	1.80
12/08/2025 10:00	14.8	356732.6	43.48	1.53	6.19	1.80
12/08/2025 11:00	14.8	355156.8	41.50	1.45	6.02	1.77
12/08/2025 12:00	14.7	354602.2	35.98	1.45	5.99	1.65
12/08/2025 13:00	14.7	355381.6	35.61	1.40	5.96	1.65
12/08/2025 14:00	14.6	356126.8	35.86	1.38	5.93	1.69
12/08/2025 15:00	14.6	355506.6	35.85	1.33	5.90	1.73
12/08/2025 16:00	14.6	355444.1	36.49	1.31	5.96	1.73
12/08/2025 17:00	14.6	271168.0	36.94	1.31	6.04	1.75
12/08/2025 18:00	14.7	337851.2	34.09	1.30	6.67	1.81
12/08/2025 19:00	14.7	338781.4	35.26	1.40	7.30	1.82
12/08/2025 20:00	14.7	340709.8	35.11	1.40	7.36	1.78
12/08/2025 21:00	14.7	338394.5	34.18	1.46	7.23	1.76
12/08/2025 22:00	14.7	337649.3	34.03	1.46	7.08	1.75
12/08/2025 23:00	14.7	309472.0	36.08	1.52	6.83	1.78
13/08/2025 00:00	14.6	294598.6	36.34	1.48	6.80	1.81
13/08/2025 01:00	14.6	294402.4	36.01	1.50	7.33	1.81
13/08/2025 02:00	14.6	293452.3	36.04	1.54	6.74	1.83
13/08/2025 03:00	14.6	293065.4	35.12	1.53	6.91	1.86
13/08/2025 04:00	14.6	292507.9	35.23	1.53	7.08	1.86
13/08/2025 05:00	14.6	290818.4	36.49	1.54	6.47	1.85
13/08/2025 06:00	14.6	297781.5	35.19	1.54	6.49	1.87
13/08/2025 07:00	14.7	313736.0	32.75	1.52	6.07	1.87
13/08/2025 08:00	14.7	312435.4	39.11	1.56	5.71	1.74
13/08/2025 09:00	14.8	355427.1	39.60	1.53	6.03	1.71
13/08/2025 10:00	14.9	354209.7	42.05	1.47	5.98	1.75
13/08/2025 11:00	14.8	340852.1	38.84	1.39	5.81	1.74
13/08/2025 12:00	14.8	258088.1	44.30	1.37	5.55	1.73
13/08/2025 13:00	14.7	351911.3	35.78	1.35	5.87	1.64
13/08/2025 14:00	14.7	353111.7	35.42	1.38	5.90	1.63
13/08/2025 15:00	14.7	353956.4	35.54	1.36	5.92	1.65
13/08/2025 16:00	14.7	352741.9	35.23	1.36	5.80	1.67
13/08/2025 17:00	14.7	352352.2	35.82	1.34	5.72	1.68
13/08/2025 18:00	14.8	355475.4	41.91	1.39	5.68	1.73
13/08/2025 19:00	14.8	356357.2	42.27	1.44	6.11	1.80
13/08/2025 20:00	14.8	355202.3	41.43	1.48	5.89	1.83
13/08/2025 21:00	14.8	349294.5	39.87	1.53	6.00	1.80
13/08/2025 22:00	14.8	349018.6	39.49	1.53	6.23	1.76
13/08/2025 23:00	14.8	346791.3	38.72	1.52	6.37	1.75
14/08/2025 00:00	14.7	317296.8	35.03	1.55	6.60	1.82
14/08/2025 01:00	14.7	327264.2	33.28	1.55	6.42	1.82
14/08/2025 02:00	14.7	326021.2	33.14	1.57	6.30	1.82
14/08/2025 03:00	14.7	325145.1	32.84	1.59	6.28	1.79
14/08/2025 04:00	14.7	324152.4	32.61	1.57	6.24	1.81
14/08/2025 05:00	14.7	318497.6	31.82	1.56	6.27	1.87
14/08/2025 06:00	14.7	318375.3	31.73	1.56	6.15	1.83
14/08/2025 07:00	14.7	328933.9	33.40	1.55	6.28	1.80
14/08/2025 08:00	14.7	315611.1	38.37	1.60	6.03	1.75
14/08/2025 09:00	14.8	356954.5	38.36	1.52	6.31	1.75
14/08/2025 10:00	14.8	356399.9	41.42	1.49	6.15	1.77
14/08/2025 11:00	14.8	354201.1	41.79	1.46	6.06	1.78
14/08/2025 12:00	14.7	258762.2	42.11	1.42	5.66	1.76
14/08/2025 13:00	14.7	353251.0	35.06	1.43	5.81	1.60
14/08/2025 14:00	14.7	355063.0	35.87	1.42	5.83	1.62
14/08/2025 15:00	14.6	354764.3	35.90	1.42	5.60	1.62
14/08/2025 16:00	14.7	357679.8	36.99	1.42	5.65	1.65
14/08/2025 17:00	14.7	356371.4	36.52	1.38	5.82	1.65

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
14/08/2025 18:00	14.7	352323.8	36.90	1.43	5.65	1.73
14/08/2025 19:00	14.7	355054.4	39.25	1.44	5.67	1.78
14/08/2025 20:00	14.7	355546.5	37.88	1.48	5.85	1.78
14/08/2025 21:00	14.8	351382.2	38.97	1.50	6.00	1.79
14/08/2025 22:00	14.8	352141.7	39.40	1.50	6.12	1.75
14/08/2025 23:00	14.8	349029.9	38.89	1.56	6.19	1.72
15/08/2025 00:00	14.7	321761.3	35.08	1.57	6.47	1.77
15/08/2025 01:00	14.7	330777.2	33.66	1.57	7.14	1.75
15/08/2025 02:00	14.7	328686.5	33.28	1.61	5.79	1.74
15/08/2025 03:00	14.7	325591.7	32.16	1.62	6.58	1.87
15/08/2025 04:00	14.6	324405.5	31.93	1.58	7.06	1.75
15/08/2025 05:00	14.6	319376.6	30.92	1.59	6.84	1.77
15/08/2025 06:00	14.6	318213.1	30.50	1.66	6.36	1.81
15/08/2025 07:00	14.6	322354.7	31.94	1.62	6.42	1.84
15/08/2025 08:00	14.7	312750.8	39.46	1.59	6.21	1.82
15/08/2025 09:00	14.8	357987.0	41.22	1.55	6.12	1.73
15/08/2025 10:00	14.8	357452.3	41.84	1.53	6.21	1.71
15/08/2025 11:00	14.8	352793.0	41.31	1.48	6.00	1.73
15/08/2025 12:00	14.7	259243.2	42.53	1.42	5.45	1.71
15/08/2025 13:00	14.7	351823.1	35.80	1.43	5.81	1.60
15/08/2025 14:00	14.6	353049.1	34.41	1.41	5.64	1.61
15/08/2025 15:00	14.6	353811.4	35.45	1.41	5.75	1.64
15/08/2025 16:00	14.7	351279.9	43.13	1.45	5.65	1.74
15/08/2025 17:00	14.7	352377.8	43.99	1.43	5.72	1.77
15/08/2025 18:00	14.7	351564.2	40.42	1.44	5.49	1.73
15/08/2025 19:00	14.7	352884.1	39.16	1.53	6.46	1.71
15/08/2025 20:00	14.7	352559.9	39.31	1.53	6.78	1.71
15/08/2025 21:00	14.7	346873.8	36.66	1.61	7.26	1.70
15/08/2025 22:00	14.7	347647.5	36.23	1.61	6.99	1.75
15/08/2025 23:00	14.7	346808.4	36.14	1.66	6.97	1.84
16/08/2025 00:00	14.6	319162.9	32.26	1.62	9.49	1.88
16/08/2025 01:00	14.6	327895.6	30.02	1.65	10.27	1.85
16/08/2025 02:00	14.6	326592.9	29.05	1.67	13.50	1.87
16/08/2025 03:00	14.6	323987.4	28.39	1.64	15.59	1.84
16/08/2025 04:00	14.6	322420.2	28.00	1.64	15.19	1.80
16/08/2025 05:00	14.5	316005.9	27.82	1.62	15.01	1.81
16/08/2025 06:00	14.5	311281.2	28.63	1.64	16.82	1.83
16/08/2025 07:00	14.6	315391.5	28.26	1.64	13.18	1.84
16/08/2025 08:00	14.7	314112.3	38.48	1.63	8.30	1.84
16/08/2025 09:00	14.8	357648.5	39.66	1.66	6.77	1.77
16/08/2025 10:00	14.8	355492.5	40.02	1.64	6.42	1.71
16/08/2025 11:00	14.8	353441.7	40.27	1.54	6.36	1.68
16/08/2025 12:00	14.7	258999.5	42.37	1.48	6.12	1.69
16/08/2025 13:00	14.8	356047.2	40.73	1.47	6.20	1.68
16/08/2025 14:00	14.7	358007.0	43.05	1.50	6.22	1.68
16/08/2025 15:00	14.7	356132.5	39.30	1.50	6.95	1.73
16/08/2025 16:00	14.7	356849.2	38.32	1.52	8.71	1.72
16/08/2025 17:00	14.7	352761.8	36.09	1.56	10.56	1.69
16/08/2025 18:00	14.7	349157.9	34.81	1.62	13.57	1.76
16/08/2025 19:00	14.7	350921.4	35.05	1.67	16.62	1.74
16/08/2025 20:00	14.7	348358.6	34.84	1.68	11.53	1.74
16/08/2025 21:00	14.7	343013.9	33.31	1.72	15.82	1.78
16/08/2025 22:00	14.7	343918.4	33.34	1.72	12.87	1.72
16/08/2025 23:00	14.7	342669.8	33.25	1.72	8.38	1.74
17/08/2025 00:00	14.6	314213.6	31.30	1.71	7.18	1.77
17/08/2025 01:00	14.6	323799.7	30.22	1.71	7.05	1.75
17/08/2025 02:00	14.6	321925.2	29.92	1.70	7.48	1.77
17/08/2025 03:00	14.6	320935.3	29.81	1.70	7.66	1.75
17/08/2025 04:00	14.6	319066.6	30.56	1.75	7.29	1.72
17/08/2025 05:00	14.6	311028.1	32.66	1.69	7.19	1.76
17/08/2025 06:00	14.6	307119.9	33.00	1.67	9.07	1.80
17/08/2025 07:00	14.6	309347.1	32.46	1.67	12.10	1.80
17/08/2025 08:00	14.6	310041.1	32.17	1.61	10.63	1.81
17/08/2025 09:00	14.6	310800.6	32.66	1.62	7.47	1.75
17/08/2025 10:00	14.7	310171.9	33.35	1.54	6.44	1.76
17/08/2025 11:00	14.7	310840.4	33.57	1.50	6.37	1.72

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
17/08/2025 12:00	14.7	309557.6	33.97	1.47	6.50	1.72
17/08/2025 13:00	14.7	308035.7	33.52	1.45	6.21	1.74
17/08/2025 14:00	14.7	307523.7	33.64	1.40	6.21	1.72
17/08/2025 15:00	14.7	307577.9	33.35	1.36	6.13	1.74
17/08/2025 16:00	14.7	311301.2	32.75	1.38	6.20	1.72
17/08/2025 17:00	14.7	273654.5	38.95	1.44	6.54	1.67
17/08/2025 18:00	14.7	333044.1	33.41	1.47	6.57	1.70
17/08/2025 19:00	14.7	338252.3	35.28	1.55	6.69	1.76
17/08/2025 20:00	14.8	340465.3	35.67	1.58	7.07	1.76
17/08/2025 21:00	14.8	341449.5	35.99	1.56	6.49	1.75
17/08/2025 22:00	14.8	340778.1	35.60	1.61	6.39	1.75
17/08/2025 23:00	14.8	319890.9	35.71	1.58	6.76	1.85
18/08/2025 00:00	14.7	314361.8	31.55	1.58	7.30	1.87
18/08/2025 01:00	14.7	314442.7	31.72	1.63	7.42	1.78
18/08/2025 02:00	14.7	314088.7	32.35	1.61	7.32	1.78
18/08/2025 03:00	14.7	309751.0	33.52	1.60	6.98	1.78
18/08/2025 04:00	14.6	306505.5	34.01	1.62	7.07	1.82
18/08/2025 05:00	14.6	303595.6	35.02	1.64	7.62	1.89
18/08/2025 06:00	14.7	304005.1	35.09	1.62	7.65	1.93
18/08/2025 07:00	14.7	321936.6	32.59	1.64	7.13	1.82
18/08/2025 08:00	14.8	313582.7	38.75	1.63	6.30	1.63
18/08/2025 09:00	14.8	356334.4	39.91	1.58	6.10	1.65
18/08/2025 10:00	14.9	354474.2	42.07	1.55	6.29	1.64
18/08/2025 11:00	14.8	353049.0	43.35	1.49	6.06	1.63
18/08/2025 12:00	14.8	261087.4	43.21	1.45	5.83	1.63
18/08/2025 13:00	14.7	355680.2	36.47	1.42	6.24	1.53
18/08/2025 14:00	14.7	352875.6	36.06	1.41	6.29	1.55
18/08/2025 15:00	14.7	355182.4	39.36	1.42	6.17	1.60
18/08/2025 16:00	14.7	354280.7	36.90	1.41	5.85	1.55
18/08/2025 17:00	14.8	353435.9	39.48	1.52	6.37	1.59
18/08/2025 18:00	14.8	349968.6	38.15	1.54	6.85	1.63
18/08/2025 19:00	14.8	353222.6	38.94	1.63	7.43	1.58
18/08/2025 20:00	14.8	352178.7	shutdown	shutdown	shutdown	shutdown
18/08/2025 21:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
18/08/2025 22:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
18/08/2025 23:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
19/08/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
19/08/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
19/08/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
19/08/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
19/08/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
19/08/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
19/08/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
19/08/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
19/08/2025 08:00	15.9	259536.8	52.29	0.64	9.36	10.45
19/08/2025 09:00	14.8	359247.2	41.77	1.64	6.52	1.55
19/08/2025 10:00	14.9	357142.2	44.61	1.62	6.56	1.57
19/08/2025 11:00	14.9	354007.7	43.93	1.52	6.34	1.56
19/08/2025 12:00	14.8	260099.4	44.20	1.48	5.91	1.57
19/08/2025 13:00	14.7	356106.9	36.27	1.50	6.14	1.50
19/08/2025 14:00	14.7	357617.2	39.63	1.46	6.06	1.58
19/08/2025 15:00	14.7	354209.6	35.42	1.47	6.12	1.52
19/08/2025 16:00	14.7	356672.9	39.65	1.47	6.23	1.60
19/08/2025 17:00	14.8	356365.6	40.09	1.47	6.21	1.61
19/08/2025 18:00	14.8	354499.8	40.31	1.53	6.38	1.62
19/08/2025 19:00	14.8	355668.9	40.11	1.55	6.62	1.66
19/08/2025 20:00	14.8	354789.9	40.02	1.59	6.42	1.66
19/08/2025 21:00	14.8	349718.2	38.65	1.64	6.37	1.68
19/08/2025 22:00	14.8	350802.0	38.49	1.64	6.35	1.75
19/08/2025 23:00	14.8	348429.8	37.33	1.65	6.59	1.79
20/08/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
20/08/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
20/08/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
20/08/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
20/08/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
20/08/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
20/08/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
20/08/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
20/08/2025 08:00	14.8	304782.1	42.06	1.77	6.02	1.77
20/08/2025 09:00	14.8	355774.1	42.34	1.74	6.01	1.53
20/08/2025 10:00	14.9	355168.1	44.70	1.71	5.82	1.55
20/08/2025 11:00	14.9	350756.4	43.61	1.61	6.09	1.59
20/08/2025 12:00	14.8	259665.8	44.12	1.56	5.57	1.61
20/08/2025 13:00	14.7	352878.4	37.07	1.55	5.82	1.55
20/08/2025 14:00	14.8	352030.8	43.82	1.54	6.22	1.65
20/08/2025 15:00	14.7	355680.2	40.67	1.51	6.05	1.60
20/08/2025 16:00	14.7	353848.4	36.09	1.54	5.81	1.63
20/08/2025 17:00	14.7	353436.0	37.96	1.54	6.07	1.68
20/08/2025 18:00	14.8	353979.3	41.04	1.54	6.22	1.77
20/08/2025 19:00	14.8	355927.7	41.95	1.54	6.53	1.84
20/08/2025 20:00	14.8	357017.1	39.72	1.57	7.02	1.87
20/08/2025 21:00	14.8	350784.9	37.23	1.60	7.27	1.85
20/08/2025 22:00	14.8	350517.5	37.14	1.60	6.69	1.64
20/08/2025 23:00	14.8	349971.4	36.60	1.62	6.79	1.66
21/08/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
21/08/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
21/08/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
21/08/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
21/08/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
21/08/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
21/08/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
21/08/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
21/08/2025 08:00	14.8	302817.6	42.20	1.81	6.52	1.81
21/08/2025 09:00	14.8	357219.1	42.20	1.76	5.92	1.55
21/08/2025 10:00	14.9	356473.9	44.62	1.70	5.95	1.61
21/08/2025 11:00	14.8	352446.1	42.98	1.67	5.98	1.60
21/08/2025 12:00	14.8	259435.1	42.78	1.60	5.54	1.58
21/08/2025 13:00	14.7	356337.3	35.90	1.57	5.84	1.52
21/08/2025 14:00	14.7	356732.7	35.73	1.59	5.70	1.54
21/08/2025 15:00	14.7	359255.7	36.55	1.57	5.75	1.54
21/08/2025 16:00	14.7	356727.0	37.00	1.54	5.37	1.57
21/08/2025 17:00	14.7	352941.1	37.41	1.64	6.47	1.62
21/08/2025 18:00	14.8	352141.7	38.15	1.67	6.98	1.76
21/08/2025 19:00	14.7	353834.2	36.50	1.66	7.20	1.75
21/08/2025 20:00	14.7	351797.6	34.93	1.73	12.51	1.70
21/08/2025 21:00	14.7	349664.2	34.38	1.73	19.54	1.55
21/08/2025 22:00	14.7	349120.9	34.95	1.73	19.23	1.51
21/08/2025 23:00	14.7	345844.1	34.36	1.76	12.86	1.53
22/08/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
22/08/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
22/08/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
22/08/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
22/08/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
22/08/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
22/08/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
22/08/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
22/08/2025 08:00	14.7	305656.8	40.77	1.81	12.46	1.81
22/08/2025 09:00	14.8	358840.3	41.04	1.77	7.40	1.57
22/08/2025 10:00	14.8	357921.6	41.68	1.71	6.40	1.55
22/08/2025 11:00	14.8	353234.0	40.76	1.62	6.28	1.57
22/08/2025 12:00	14.8	259674.0	42.95	1.54	6.00	1.56
22/08/2025 13:00	14.8	356399.9	43.15	1.56	6.13	1.60
22/08/2025 14:00	14.7	357284.4	43.35	1.56	6.23	1.62
22/08/2025 15:00	14.8	357824.9	40.16	1.63	6.08	1.60
22/08/2025 16:00	14.7	357310.1	38.28	1.64	7.78	1.64
22/08/2025 17:00	14.7	352895.5	36.43	1.68	9.42	1.64
22/08/2025 18:00	14.7	347866.5	36.03	1.66	9.75	1.57
22/08/2025 19:00	14.7	351828.9	36.03	1.73	10.04	1.50
22/08/2025 20:00	14.7	350278.6	36.18	1.80	9.07	1.53
22/08/2025 21:00	14.7	345437.4	34.66	1.80	9.40	1.53
22/08/2025 22:00	14.7	346339.1	34.76	1.82	8.22	1.55
22/08/2025 23:00	14.7	344191.5	34.45	1.81	11.55	1.61

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
23/08/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
23/08/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
23/08/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
23/08/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
23/08/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
23/08/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
23/08/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
23/08/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
23/08/2025 08:00	14.8	301413.8	38.03	1.83	7.99	1.81
23/08/2025 09:00	14.7	349658.5	37.91	1.78	6.63	1.53
23/08/2025 10:00	14.8	346128.6	39.21	1.76	6.37	1.51
23/08/2025 11:00	14.8	344896.9	38.63	1.64	6.30	1.50
23/08/2025 12:00	14.8	255378.5	41.84	1.55	6.03	1.46
23/08/2025 13:00	14.7	345292.3	36.05	1.58	6.40	1.53
23/08/2025 14:00	14.7	348327.3	38.23	1.60	6.40	1.53
23/08/2025 15:00	14.7	348415.5	38.66	1.58	6.26	1.53
23/08/2025 16:00	14.7	350770.7	39.04	1.58	6.45	1.51
23/08/2025 17:00	14.8	350284.2	39.30	1.56	6.35	1.54
23/08/2025 18:00	14.7	350528.9	37.49	1.60	6.60	1.55
23/08/2025 19:00	14.7	353364.8	37.98	1.65	9.03	1.53
23/08/2025 20:00	14.7	348953.0	36.33	1.66	12.94	1.50
23/08/2025 21:00	14.7	343682.3	33.59	1.69	11.81	1.49
23/08/2025 22:00	14.7	342712.3	32.54	1.71	8.85	1.51
23/08/2025 23:00	14.6	341927.3	31.93	1.73	8.15	1.55
24/08/2025 00:00	14.6	314994.3	29.76	1.72	7.73	1.61
24/08/2025 01:00	14.6	323967.4	27.78	1.73	7.29	1.62
24/08/2025 02:00	14.6	324297.4	27.71	1.77	7.07	1.64
24/08/2025 03:00	14.6	321945.0	27.84	1.78	7.04	1.64
24/08/2025 04:00	14.6	319154.7	28.50	1.77	7.03	1.64
24/08/2025 05:00	14.5	310720.9	30.57	1.79	7.16	1.68
24/08/2025 06:00	14.5	303589.9	31.98	1.76	8.32	1.74
24/08/2025 07:00	14.5	297286.6	33.33	1.74	6.86	1.72
24/08/2025 08:00	14.5	294672.6	33.68	1.70	6.12	1.70
24/08/2025 09:00	14.6	292405.5	34.31	1.71	6.31	1.62
24/08/2025 10:00	14.6	288841.4	35.32	1.62	6.09	1.58
24/08/2025 11:00	14.6	289524.1	34.61	1.55	6.24	1.60
24/08/2025 12:00	14.5	289754.5	33.85	1.54	6.05	1.59
24/08/2025 13:00	14.5	294772.1	32.82	1.54	6.02	1.61
24/08/2025 14:00	14.5	292837.9	32.64	1.52	5.88	1.65
24/08/2025 15:00	14.5	297639.3	31.31	1.54	5.72	1.67
24/08/2025 16:00	14.5	303021.0	30.85	1.48	5.66	1.63
24/08/2025 17:00	14.5	299300.5	32.14	1.55	6.03	1.63
24/08/2025 18:00	14.6	362763.0	36.60	1.61	6.28	1.59
24/08/2025 19:00	14.6	367305.5	35.87	1.65	6.58	1.58
24/08/2025 20:00	14.6	368528.5	36.47	1.70	8.80	1.50
24/08/2025 21:00	14.6	369299.4	37.20	1.70	8.36	1.48
24/08/2025 22:00	14.6	368861.4	36.89	1.74	11.47	1.50
24/08/2025 23:00	14.5	337137.2	32.46	1.79	7.60	1.55
25/08/2025 00:00	14.5	308399.8	27.71	1.77	8.53	1.53
25/08/2025 01:00	14.4	307270.6	27.86	1.76	6.76	1.57
25/08/2025 02:00	14.5	307540.8	28.32	1.79	7.40	1.60
25/08/2025 03:00	14.5	306442.8	28.53	1.79	7.46	1.59
25/08/2025 04:00	14.4	304730.5	28.64	1.81	9.36	1.68
25/08/2025 05:00	14.4	302395.2	29.18	1.79	7.66	1.66
25/08/2025 06:00	14.6	267964.8	33.39	1.84	8.82	1.60
25/08/2025 07:00	14.6	262132.2	35.76	1.83	7.47	1.75
25/08/2025 08:00	14.6	313272.0	34.75	1.82	6.46	1.67
25/08/2025 09:00	14.7	357022.8	33.45	1.79	6.75	1.55
25/08/2025 10:00	14.7	357415.3	34.19	1.73	6.48	1.50
25/08/2025 11:00	14.7	355768.4	35.29	1.64	6.41	1.50
25/08/2025 12:00	14.7	261000.4	36.83	1.58	5.98	1.51
25/08/2025 13:00	14.7	355307.6	36.12	1.58	6.29	1.56
25/08/2025 14:00	14.6	355091.4	33.86	1.59	6.32	1.52
25/08/2025 15:00	14.6	358612.8	33.59	1.59	6.43	1.54
25/08/2025 16:00	14.6	357429.5	31.48	1.61	6.37	1.52
25/08/2025 17:00	14.7	357500.6	35.49	1.65	7.02	1.63

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
25/08/2025 18:00	14.7	355034.5	33.90	1.65	6.44	1.65
25/08/2025 19:00	14.7	358746.6	34.11	1.70	6.40	1.56
25/08/2025 20:00	14.7	356994.3	32.77	1.74	6.62	1.60
25/08/2025 21:00	14.6	350079.5	30.60	1.75	6.95	1.62
25/08/2025 22:00	14.7	352249.8	31.23	1.74	6.95	1.63
25/08/2025 23:00	14.7	350036.8	30.98	1.76	7.05	1.62
26/08/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
26/08/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
26/08/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
26/08/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
26/08/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
26/08/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
26/08/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
26/08/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
26/08/2025 08:00	15.0	292072.5	43.11	1.93	6.86	1.57
26/08/2025 09:00	14.8	359622.6	41.70	1.79	6.16	1.52
26/08/2025 10:00	14.8	357298.7	39.87	1.74	6.16	1.61
26/08/2025 11:00	14.8	353649.2	38.22	1.70	6.10	1.49
26/08/2025 12:00	14.7	260303.0	40.69	1.60	5.70	1.44
26/08/2025 13:00	14.7	359434.9	38.88	1.60	6.12	1.49
26/08/2025 14:00	14.7	359875.8	39.11	1.62	6.12	1.47
26/08/2025 15:00	14.7	357031.2	37.10	1.59	5.97	1.50
26/08/2025 16:00	14.6	352110.5	34.15	1.64	6.46	1.49
26/08/2025 17:00	14.7	351632.6	34.15	1.72	6.88	1.51
26/08/2025 18:00	14.7	351626.9	34.72	1.74	6.98	1.49
26/08/2025 19:00	14.7	354659.1	35.58	1.79	7.04	1.52
26/08/2025 20:00	14.7	354320.6	35.30	1.77	7.16	1.54
26/08/2025 21:00	14.7	349149.3	35.77	1.81	7.18	1.53
26/08/2025 22:00	14.8	350580.1	37.06	1.86	7.20	1.52
26/08/2025 23:00	14.8	348864.9	36.63	1.83	7.24	1.52
27/08/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/08/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/08/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/08/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/08/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/08/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/08/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/08/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
27/08/2025 08:00	14.8	308997.6	44.26	1.92	6.86	1.65
27/08/2025 09:00	14.8	358826.2	44.41	1.83	6.49	1.47
27/08/2025 10:00	14.9	357961.4	43.65	1.79	6.20	1.42
27/08/2025 11:00	14.9	356954.6	43.26	1.70	6.11	1.42
27/08/2025 12:00	14.8	261429.9	45.66	1.64	5.71	1.41
27/08/2025 13:00	14.8	360694.9	43.14	1.65	6.37	1.42
27/08/2025 14:00	14.8	359076.4	42.50	1.67	6.50	1.42
27/08/2025 15:00	14.8	359577.0	43.09	1.64	6.09	1.44
27/08/2025 16:00	14.8	359503.1	42.57	1.69	6.20	1.46
27/08/2025 17:00	14.8	357637.2	40.72	1.71	6.17	1.55
27/08/2025 18:00	14.8	354795.7	39.36	1.75	6.43	1.59
27/08/2025 19:00	14.8	356781.0	39.47	1.77	6.37	1.57
27/08/2025 20:00	14.8	355848.0	38.72	1.82	6.60	1.59
27/08/2025 21:00	14.8	350173.3	36.93	1.84	6.63	1.59
27/08/2025 22:00	14.8	351851.5	38.03	1.85	6.59	1.60
27/08/2025 23:00	14.8	351245.7	38.19	1.85	6.59	1.57
28/08/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/08/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/08/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/08/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/08/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/08/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/08/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/08/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/08/2025 08:00	14.7	273138.7	39.00	2.86	6.88	1.56
28/08/2025 09:00	14.7	357927.4	37.79	1.63	6.15	1.56
28/08/2025 10:00	14.7	359680.8	40.36	1.61	5.74	1.56
28/08/2025 11:00	14.8	357213.3	39.39	1.69	6.04	1.60

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
28/08/2025 12:00	14.8	263178.9	39.30	1.70	5.83	1.59
28/08/2025 13:00	14.8	357102.4	37.77	1.76	6.08	1.60
28/08/2025 14:00	14.8	356206.5	34.93	1.77	6.11	1.59
28/08/2025 15:00	14.7	354366.0	34.26	1.63	5.99	1.56
28/08/2025 16:00	14.7	356607.5	34.88	1.61	5.85	1.57
28/08/2025 17:00	14.8	355714.4	40.72	1.68	6.17	1.59
28/08/2025 18:00	14.8	351811.7	39.43	1.71	5.91	1.59
28/08/2025 19:00	14.8	353720.3	39.21	1.74	6.69	1.58
28/08/2025 20:00	14.8	353598.1	38.53	1.74	6.66	1.58
28/08/2025 21:00	14.8	350910.0	36.87	1.75	6.39	1.59
28/08/2025 22:00	14.8	352107.6	37.91	1.75	7.15	1.59
28/08/2025 23:00	14.8	350671.1	37.91	1.75	6.43	1.59
29/08/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
29/08/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
29/08/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
29/08/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
29/08/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
29/08/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
29/08/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
29/08/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
29/08/2025 08:00	14.8	305908.8	30.22	1.80	7.35	1.69
29/08/2025 09:00	14.8	361059.1	30.43	1.76	6.84	1.71
29/08/2025 10:00	14.9	360441.8	31.21	1.73	6.51	1.73
29/08/2025 11:00	14.9	357091.1	34.60	1.63	7.03	1.72
29/08/2025 12:00	14.8	260962.1	36.57	1.60	6.49	1.74
29/08/2025 13:00	14.7	358086.6	34.97	1.61	6.61	1.79
29/08/2025 14:00	14.7	356738.4	33.18	1.58	6.78	1.76
29/08/2025 15:00	14.7	357665.7	33.92	1.65	6.85	1.73
29/08/2025 16:00	14.7	356155.2	35.01	1.71	6.76	1.65
29/08/2025 17:00	14.7	355802.5	37.37	1.76	6.63	1.62
29/08/2025 18:00	14.8	354738.7	37.13	1.83	6.63	1.67
29/08/2025 19:00	14.8	357725.3	35.14	1.81	6.90	1.67
29/08/2025 20:00	14.8	358615.6	34.92	1.83	6.73	1.69
29/08/2025 21:00	14.8	355017.4	35.78	1.87	7.09	1.69
29/08/2025 22:00	14.8	355125.5	34.17	1.85	7.35	1.69
29/08/2025 23:00	14.8	352329.5	34.75	1.85	7.22	1.69
30/08/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
30/08/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
30/08/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
30/08/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
30/08/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
30/08/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
30/08/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
30/08/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
30/08/2025 08:00	14.8	309619.6	32.89	1.65	7.82	1.81
30/08/2025 09:00	14.8	356294.6	30.96	1.70	7.04	1.57
30/08/2025 10:00	14.9	356035.7	30.40	1.75	6.98	1.56
30/08/2025 11:00	14.8	353987.8	29.70	1.72	7.20	1.58
30/08/2025 12:00	14.8	258376.8	29.00	1.70	6.75	1.57
30/08/2025 13:00	14.7	353834.1	28.36	1.65	7.02	1.58
30/08/2025 14:00	14.6	352064.9	29.09	1.66	7.12	1.60
30/08/2025 15:00	14.7	354368.9	29.04	1.69	7.06	1.60
30/08/2025 16:00	14.7	353902.4	38.48	1.63	6.74	1.63
30/08/2025 17:00	14.8	352426.0	39.66	1.66	6.75	1.66
30/08/2025 18:00	14.8	348156.7	39.82	1.63	6.90	1.58
30/08/2025 19:00	14.8	351447.7	40.20	1.54	6.98	1.52
30/08/2025 20:00	14.8	350221.8	42.79	1.50	7.04	1.54
30/08/2025 21:00	14.8	346973.3	40.73	1.47	6.77	1.54
30/08/2025 22:00	14.8	345818.5	43.33	1.51	7.32	1.81
30/08/2025 23:00	14.7	345372.0	39.49	1.51	6.69	1.55
31/08/2025 00:00	14.7	318078.0	38.07	1.51	7.05	1.51
31/08/2025 01:00	14.7	328197.2	36.09	1.56	7.35	1.54
31/08/2025 02:00	14.6	326220.3	36.46	1.49	7.48	1.53
31/08/2025 03:00	14.6	324624.6	36.24	1.51	7.55	1.58
31/08/2025 04:00	14.6	322528.2	36.27	1.55	7.23	1.60
31/08/2025 05:00	14.6	316202.2	35.40	1.55	7.16	1.57

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
31/08/2025 06:00	14.6	311420.6	35.46	1.54	7.35	1.61
31/08/2025 07:00	14.6	311861.5	36.66	1.55	7.18	1.61
31/08/2025 08:00	14.6	309617.2	35.41	1.55	6.80	1.55
31/08/2025 09:00	14.6	308442.5	32.60	1.51	6.33	1.49
31/08/2025 10:00	14.7	311818.9	38.60	1.54	6.21	1.51
31/08/2025 11:00	14.7	310015.5	38.59	1.49	6.23	1.51
31/08/2025 12:00	14.6	309062.6	40.57	1.42	6.20	1.49
31/08/2025 13:00	14.6	314333.4	37.49	1.35	6.16	1.50
31/08/2025 14:00	14.6	308698.5	42.62	1.32	6.54	1.49
31/08/2025 15:00	14.6	311252.8	35.27	1.33	6.19	1.77
31/08/2025 16:00	14.6	311028.1	34.97	1.36	6.05	1.52
31/08/2025 17:00	14.5	307390.1	34.92	1.33	7.08	1.49
31/08/2025 18:00	14.7	366804.8	35.23	1.36	7.27	1.53
31/08/2025 19:00	14.6	367936.9	35.59	1.33	7.28	1.53
31/08/2025 20:00	14.7	367072.2	40.83	1.36	7.49	1.58
31/08/2025 21:00	14.7	367504.5	41.32	1.40	7.73	1.60
31/08/2025 22:00	14.7	367473.2	40.43	1.45	9.49	1.58
31/08/2025 23:00	14.6	342592.9	38.67	1.48	11.24	1.57
Minimum	14.44	242,736.30	27.71	0.64	5.37	0.00
Maximum	15.94	369,299.40	52.29	2.86	19.54	10.45
Avg	14.71	335,205.79	36.72	1.51	7.04	1.53
SUM						
STD			STD = 60	STD = 6	STD = 28	STD = 690

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
01/08/2025 00:00	14.6	378905.1	26.57	0.75	8.52	0.40
01/08/2025 01:00	14.6	377115.9	26.48	0.79	8.76	0.44
01/08/2025 02:00	14.6	376774.6	26.57	0.68	8.62	0.53
01/08/2025 03:00	14.6	376592.6	26.75	0.77	8.83	0.51
01/08/2025 04:00	14.6	377275.2	27.21	0.64	8.76	0.48
01/08/2025 05:00	14.6	377741.7	26.97	0.81	8.72	0.53
01/08/2025 06:00	14.6	377838.4	27.12	0.81	8.89	0.51
01/08/2025 07:00	14.6	364634.4	26.31	0.74	8.34	0.50
01/08/2025 08:00	14.6	339574.9	25.19	0.68	7.67	0.42
01/08/2025 09:00	14.6	375412.1	24.58	0.55	6.94	0.37
01/08/2025 10:00	14.6	372704.2	24.77	0.39	6.62	0.37
01/08/2025 11:00	14.7	375048.0	28.09	0.47	6.49	0.38
01/08/2025 12:00	14.7	286728.1	29.05	0.56	8.51	0.29
01/08/2025 13:00	14.6	372837.9	23.85	0.77	6.70	0.31
01/08/2025 14:00	14.6	375284.1	26.43	0.75	6.74	0.38
01/08/2025 15:00	14.7	375099.2	30.23	0.67	6.77	0.45
01/08/2025 16:00	14.6	376820.1	26.23	0.46	6.65	0.38
01/08/2025 17:00	14.6	374541.7	24.25	0.75	6.47	0.39
01/08/2025 18:00	14.6	373560.3	26.42	0.62	6.91	0.47
01/08/2025 19:00	14.6	378680.3	27.05	0.75	7.37	0.49
01/08/2025 20:00	14.6	377866.8	27.07	0.71	7.63	0.44
01/08/2025 21:00	14.6	370943.4	25.93	0.64	8.00	0.44
01/08/2025 22:00	14.6	371344.6	25.30	0.61	8.26	0.44
01/08/2025 23:00	14.6	369925.2	24.49	0.70	8.58	0.39
02/08/2025 00:00	14.5	346834.0	23.05	0.65	8.45	0.41
02/08/2025 01:00	14.6	353950.8	24.69	0.61	8.01	0.48
02/08/2025 02:00	14.5	351524.5	24.98	0.66	8.00	0.42
02/08/2025 03:00	14.5	349630.1	25.09	0.50	8.07	0.48
02/08/2025 04:00	14.5	348577.7	25.03	0.52	8.07	0.48
02/08/2025 05:00	14.5	342436.5	24.54	0.65	8.25	0.52
02/08/2025 06:00	14.5	339515.2	24.20	0.52	8.05	0.56
02/08/2025 07:00	14.5	346142.8	24.59	0.57	7.51	0.57
02/08/2025 08:00	14.6	350352.5	25.39	0.50	7.37	0.53
02/08/2025 09:00	14.6	373506.3	25.75	0.57	6.74	0.42
02/08/2025 10:00	14.7	374968.3	28.40	0.34	6.61	0.38
02/08/2025 11:00	14.7	372178.0	28.52	0.27	6.54	0.38
02/08/2025 12:00	14.7	285160.8	30.87	0.43	8.59	0.29
02/08/2025 13:00	14.7	374917.2	29.17	0.60	6.83	0.38
02/08/2025 14:00	14.7	374732.3	30.10	0.63	6.99	0.42
02/08/2025 15:00	14.7	374336.9	30.52	0.62	6.78	0.45
02/08/2025 16:00	14.6	374655.5	27.33	0.49	6.61	0.42
02/08/2025 17:00	14.6	371668.8	26.40	0.56	6.77	0.42
02/08/2025 18:00	14.7	372368.5	27.80	0.49	6.63	0.49
02/08/2025 19:00	14.6	374902.9	26.31	0.73	7.85	0.53
02/08/2025 20:00	14.6	374826.1	26.28	0.69	8.57	0.57
02/08/2025 21:00	14.6	369492.8	25.73	0.46	8.23	0.49
02/08/2025 22:00	14.6	368872.7	24.86	0.64	8.43	0.40
02/08/2025 23:00	14.6	367734.9	24.47	0.61	8.51	0.42
03/08/2025 00:00	14.5	362930.7	23.30	0.72	8.28	0.39
03/08/2025 01:00	14.6	379226.5	24.62	0.64	8.24	0.39
03/08/2025 02:00	14.5	378424.4	24.02	0.72	8.20	0.42
03/08/2025 03:00	14.6	378319.1	24.30	0.59	8.34	0.48
03/08/2025 04:00	14.6	378438.5	25.15	0.64	8.22	0.46
03/08/2025 05:00	14.6	378654.8	25.97	0.64	7.98	0.46
03/08/2025 06:00	14.6	379317.6	26.30	0.66	8.22	0.55
03/08/2025 07:00	14.6	380128.1	26.87	0.62	7.71	0.49
03/08/2025 08:00	14.6	382341.2	27.67	0.42	7.11	0.44
03/08/2025 09:00	14.7	383683.8	28.27	0.36	6.76	0.40
03/08/2025 10:00	14.7	382520.4	29.74	0.16	6.60	0.47
03/08/2025 11:00	14.7	380560.6	30.29	0.27	6.61	0.42
03/08/2025 12:00	14.6	379587.8	25.13	0.29	6.52	0.33
03/08/2025 13:00	14.6	380028.7	24.30	0.62	6.58	0.31
03/08/2025 14:00	14.6	380603.2	24.47	0.59	6.56	0.33
03/08/2025 15:00	14.6	380455.3	24.61	0.48	6.37	0.35
03/08/2025 16:00	14.5	365974.2	23.95	0.37	6.56	0.42
03/08/2025 17:00	14.7	287058.0	30.78	0.40	8.19	0.29

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
03/08/2025 18:00	14.6	355415.6	23.63	0.46	7.32	0.48
03/08/2025 19:00	14.6	361804.3	25.97	0.57	7.88	0.44
03/08/2025 20:00	14.6	365118.1	26.01	0.51	8.41	0.49
03/08/2025 21:00	14.6	365997.0	25.97	0.48	7.93	0.51
03/08/2025 22:00	14.6	365064.0	25.62	0.51	7.81	0.53
03/08/2025 23:00	14.5	346421.5	24.11	0.66	7.85	0.52
04/08/2025 00:00	14.5	344208.6	22.73	0.65	7.61	0.54
04/08/2025 01:00	14.5	343174.2	22.67	0.56	7.77	0.56
04/08/2025 02:00	14.5	342166.3	22.88	0.61	7.70	0.56
04/08/2025 03:00	14.5	337214.1	22.57	0.61	7.85	0.58
04/08/2025 04:00	14.4	331405.7	22.23	0.62	8.20	0.60
04/08/2025 05:00	14.4	327579.9	22.02	0.64	8.14	0.60
04/08/2025 06:00	14.4	329886.8	22.36	0.65	8.07	0.58
04/08/2025 07:00	14.5	341716.9	23.51	0.74	7.56	0.50
04/08/2025 08:00	14.6	337398.9	24.93	0.55	7.45	0.37
04/08/2025 09:00	14.6	378376.0	26.82	0.38	6.53	0.38
04/08/2025 10:00	14.7	379636.2	28.87	0.25	6.47	0.43
04/08/2025 11:00	14.7	376658.0	28.63	0.25	6.53	0.38
04/08/2025 12:00	14.7	286873.0	29.34	0.34	8.42	0.31
04/08/2025 13:00	14.6	374260.1	24.80	0.62	6.48	0.35
04/08/2025 14:00	14.6	374786.3	24.00	0.59	6.40	0.35
04/08/2025 15:00	14.6	374774.9	23.80	0.70	6.42	0.35
04/08/2025 16:00	14.6	374638.4	23.93	0.62	6.27	0.35
04/08/2025 17:00	14.6	373219.0	24.58	0.53	6.23	0.37
04/08/2025 18:00	14.7	375850.2	27.84	0.47	6.61	0.47
04/08/2025 19:00	14.6	377155.8	25.69	0.42	7.62	0.67
04/08/2025 20:00	14.6	376279.7	26.31	0.53	8.09	0.58
04/08/2025 21:00	14.6	372522.1	25.81	0.60	7.92	0.53
04/08/2025 22:00	14.6	372567.6	24.89	0.55	7.82	0.44
04/08/2025 23:00	14.6	371310.5	24.27	0.57	8.33	0.39
05/08/2025 00:00	14.5	346791.2	22.83	0.59	8.08	0.41
05/08/2025 01:00	14.5	356625.0	22.27	0.59	7.79	0.46
05/08/2025 02:00	14.5	356095.5	22.14	0.54	7.87	0.50
05/08/2025 03:00	14.5	353288.1	21.77	0.63	7.98	0.54
05/08/2025 04:00	14.5	352192.9	21.67	0.65	9.46	0.67
05/08/2025 05:00	14.5	346097.3	21.65	0.56	9.91	0.65
05/08/2025 06:00	14.5	344365.0	21.65	0.69	8.76	0.63
05/08/2025 07:00	14.5	374456.9	23.65	0.57	7.58	0.50
05/08/2025 08:00	14.6	337549.7	24.97	0.57	7.22	0.37
05/08/2025 09:00	14.6	379567.8	24.66	0.59	6.68	0.37
05/08/2025 10:00	14.6	379454.0	25.78	0.46	7.51	0.40
05/08/2025 11:00	14.6	375878.7	27.56	0.49	7.51	0.40
05/08/2025 12:00	14.7	285962.9	30.03	0.31	8.55	0.29
05/08/2025 13:00	14.6	374371.0	25.28	0.42	6.80	0.31
05/08/2025 14:00	14.7	377195.6	30.17	0.65	6.86	0.40
05/08/2025 15:00	14.7	376066.3	29.49	0.67	6.75	0.45
05/08/2025 16:00	14.6	381362.7	24.76	0.42	6.53	0.38
05/08/2025 17:00	14.6	377571.1	23.76	0.53	6.50	0.40
05/08/2025 18:00	14.6	374425.1	24.91	0.51	6.62	0.51
05/08/2025 19:00	14.7	378464.2	27.11	0.54	7.59	0.71
05/08/2025 20:00	14.6	376402.1	26.39	0.51	7.98	0.49
05/08/2025 21:00	14.5	368175.8	25.16	0.57	10.15	0.41
05/08/2025 22:00	14.5	369757.3	24.83	0.70	9.24	0.42
05/08/2025 23:00	14.5	368941.0	24.05	0.70	9.08	0.44
06/08/2025 00:00	14.5	344436.1	22.54	0.63	9.05	0.48
06/08/2025 01:00	14.5	355336.0	22.53	0.57	8.71	0.57
06/08/2025 02:00	14.5	354309.1	22.32	0.74	8.57	0.61
06/08/2025 03:00	14.5	351447.7	22.56	0.65	8.37	0.78
06/08/2025 04:00	14.5	350591.5	23.17	0.59	8.44	0.59
06/08/2025 05:00	14.5	343631.1	22.96	0.65	8.39	0.61
06/08/2025 06:00	14.5	342797.8	23.22	0.61	8.30	0.54
06/08/2025 07:00	14.5	345181.4	23.17	0.61	8.31	0.52
06/08/2025 08:00	14.6	338499.7	25.89	0.64	8.45	0.46
06/08/2025 09:00	14.6	377835.6	26.73	0.40	7.64	0.49
06/08/2025 10:00	14.7	377494.2	27.44	0.29	7.01	0.47
06/08/2025 11:00	14.7	374971.2	27.38	0.33	6.87	0.40

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
06/08/2025 12:00	14.7	286998.2	28.65	0.25	8.15	0.31
06/08/2025 13:00	14.7	378410.1	28.34	0.27	6.72	0.40
06/08/2025 14:00	14.7	378757.2	28.96	0.22	6.72	0.42
06/08/2025 15:00	14.7	378046.0	28.96	0.24	6.85	0.47
06/08/2025 16:00	14.6	379018.9	28.88	0.31	6.62	0.55
06/08/2025 17:00	14.7	378728.7	26.84	0.36	8.09	0.49
06/08/2025 18:00	14.6	374644.1	26.40	0.44	8.22	0.51
06/08/2025 19:00	14.5	372314.5	26.23	0.57	9.51	0.44
06/08/2025 20:00	14.5	372101.2	25.84	0.48	11.40	0.48
06/08/2025 21:00	14.5	366736.6	24.75	0.57	11.40	0.54
06/08/2025 22:00	14.5	367666.8	24.40	0.55	11.28	0.52
06/08/2025 23:00	14.5	367925.5	24.22	0.61	9.60	0.59
07/08/2025 00:00	14.5	343329.6	23.15	0.65	10.23	0.65
07/08/2025 01:00	14.5	352753.3	22.29	0.65	9.19	0.61
07/08/2025 02:00	14.5	352480.2	22.44	0.70	8.88	0.67
07/08/2025 03:00	14.5	351481.8	22.21	0.67	10.56	0.74
07/08/2025 04:00	14.5	349544.7	22.11	0.61	11.35	0.80
07/08/2025 05:00	14.5	344749.0	21.78	0.69	10.75	0.82
07/08/2025 06:00	14.5	343952.6	21.62	0.62	10.24	0.86
07/08/2025 07:00	14.5	346979.0	21.66	0.67	10.98	0.73
07/08/2025 08:00	14.5	337603.7	24.37	0.66	11.10	0.55
07/08/2025 09:00	14.6	381601.7	25.17	0.57	9.35	0.60
07/08/2025 10:00	14.7	379451.2	26.35	0.49	7.66	0.51
07/08/2025 11:00	14.7	378122.8	27.98	0.25	6.63	0.51
07/08/2025 12:00	14.6	289367.7	25.49	0.42	8.34	0.40
07/08/2025 13:00	14.6	381257.5	27.34	0.44	8.45	0.46
07/08/2025 14:00	14.6	382059.6	26.91	0.47	7.49	0.47
07/08/2025 15:00	14.6	380344.3	26.22	0.53	8.84	0.49
07/08/2025 16:00	14.7	381197.7	26.78	0.51	7.84	0.45
07/08/2025 17:00	14.7	378506.8	26.57	0.45	7.44	0.47
07/08/2025 18:00	14.7	376143.1	27.09	0.36	7.38	0.49
07/08/2025 19:00	14.6	376862.8	27.20	0.47	7.66	0.51
07/08/2025 20:00	14.6	376157.4	26.65	0.53	7.75	0.46
07/08/2025 21:00	14.6	370866.7	25.69	0.44	8.24	0.44
07/08/2025 22:00	14.6	371822.4	25.14	0.53	8.43	0.51
07/08/2025 23:00	14.6	370024.8	24.84	0.55	9.10	0.66
08/08/2025 00:00	14.5	345582.4	23.27	0.50	9.74	0.76
08/08/2025 01:00	14.5	356001.6	22.53	0.63	10.09	0.98
08/08/2025 02:00	14.5	353379.0	22.24	0.61	10.66	0.76
08/08/2025 03:00	14.5	352756.1	22.09	0.63	10.66	0.63
08/08/2025 04:00	14.5	350986.8	21.82	0.58	11.45	0.67
08/08/2025 05:00	14.5	345824.2	21.63	0.60	11.63	0.69
08/08/2025 06:00	14.5	344202.9	21.40	0.62	14.22	0.75
08/08/2025 07:00	14.5	352889.8	21.72	0.65	10.10	0.70
08/08/2025 08:00	14.6	343318.3	24.23	0.59	8.54	0.53
08/08/2025 09:00	14.6	374806.3	23.62	0.35	7.14	0.50
08/08/2025 10:00	14.6	372305.9	23.91	0.20	6.30	0.40
08/08/2025 11:00	14.7	373395.4	26.86	0.20	6.30	0.38
08/08/2025 12:00	14.7	286073.8	30.40	0.43	8.52	0.29
08/08/2025 13:00	14.7	375008.2	29.17	0.36	6.77	0.43
08/08/2025 14:00	14.7	376723.4	27.69	0.38	6.54	0.38
08/08/2025 15:00	14.6	380765.3	24.47	0.46	6.35	0.33
08/08/2025 16:00	14.6	379240.7	24.43	0.40	6.44	0.37
08/08/2025 17:00	14.6	373264.6	25.01	0.46	6.88	0.48
08/08/2025 18:00	14.6	374354.1	26.49	0.53	8.62	0.56
08/08/2025 19:00	14.6	377337.9	26.27	0.62	8.36	0.62
08/08/2025 20:00	14.6	376962.4	26.49	0.44	7.78	0.53
08/08/2025 21:00	14.6	372297.4	26.23	0.44	7.97	0.44
08/08/2025 22:00	14.6	373113.8	26.01	0.46	8.38	0.44
08/08/2025 23:00	14.6	370388.8	26.13	0.40	8.61	0.42
09/08/2025 00:00	14.5	343298.3	23.66	0.48	9.04	0.46
09/08/2025 01:00	14.5	352793.1	23.60	0.61	8.15	0.46
09/08/2025 02:00	14.5	351444.8	23.44	0.63	7.82	0.46
09/08/2025 03:00	14.5	348574.8	23.38	0.52	7.90	0.46
09/08/2025 04:00	14.5	348665.8	23.19	0.61	8.16	0.48
09/08/2025 05:00	14.5	342308.5	22.60	0.54	8.05	0.54

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
09/08/2025 06:00	14.5	338130.0	22.27	0.52	8.30	0.61
09/08/2025 07:00	14.5	343508.8	22.56	0.57	7.81	0.54
09/08/2025 08:00	14.6	333075.4	27.03	0.51	7.72	0.42
09/08/2025 09:00	14.6	370141.4	25.14	0.53	6.42	0.51
09/08/2025 10:00	14.7	369760.2	26.28	0.51	6.49	0.45
09/08/2025 11:00	14.7	367342.4	27.51	0.49	6.26	0.36
09/08/2025 12:00	14.8	282666.2	33.52	0.45	9.04	0.25
09/08/2025 13:00	14.7	370940.6	27.51	0.49	6.80	0.36
09/08/2025 14:00	14.7	372126.8	27.73	0.58	6.88	0.34
09/08/2025 15:00	14.7	372345.8	28.27	0.41	7.00	0.41
09/08/2025 16:00	14.8	373551.8	28.21	0.45	6.69	0.38
09/08/2025 17:00	14.7	369743.1	27.33	0.47	6.55	0.43
09/08/2025 18:00	14.7	370966.3	27.42	0.31	7.16	0.43
09/08/2025 19:00	14.7	372883.4	27.76	0.45	7.43	0.42
09/08/2025 20:00	14.7	372303.2	27.96	0.53	7.57	0.49
09/08/2025 21:00	14.6	369589.5	27.51	0.40	7.68	0.49
09/08/2025 22:00	14.6	368869.8	27.49	0.44	7.70	0.49
09/08/2025 23:00	14.6	367626.9	27.22	0.44	7.74	0.47
10/08/2025 00:00	14.6	339785.4	25.06	0.39	8.35	0.50
10/08/2025 01:00	14.5	348074.1	24.11	0.57	8.28	0.50
10/08/2025 02:00	14.5	346245.2	23.86	0.57	8.43	0.48
10/08/2025 03:00	14.5	344103.3	23.56	0.61	8.68	0.48
10/08/2025 04:00	14.5	342368.2	23.58	0.54	8.70	0.52
10/08/2025 05:00	14.5	332791.0	22.88	0.54	8.61	0.52
10/08/2025 06:00	14.4	326607.2	22.05	0.62	8.74	0.52
10/08/2025 07:00	14.4	322425.8	21.70	0.54	8.57	0.49
10/08/2025 08:00	14.5	320531.4	21.25	0.58	8.21	0.52
10/08/2025 09:00	14.5	320861.3	21.57	0.52	7.80	0.45
10/08/2025 10:00	14.5	316375.7	21.66	0.48	7.68	0.43
10/08/2025 11:00	14.5	313150.1	21.80	0.28	7.50	0.41
10/08/2025 12:00	14.5	312012.3	22.28	0.28	7.51	0.44
10/08/2025 13:00	14.6	315712.9	22.68	0.46	7.44	0.44
10/08/2025 14:00	14.6	316938.9	23.01	0.46	7.58	0.44
10/08/2025 15:00	14.6	315952.8	23.34	0.44	7.32	0.44
10/08/2025 16:00	14.6	322166.9	23.75	0.42	7.15	0.48
10/08/2025 17:00	14.7	294358.2	29.84	0.43	8.56	0.38
10/08/2025 18:00	14.6	351928.3	24.70	0.42	6.91	0.60
10/08/2025 19:00	14.6	353609.4	24.57	0.31	7.93	0.55
10/08/2025 20:00	14.6	353581.0	24.28	0.44	8.29	0.51
10/08/2025 21:00	14.6	353873.9	24.09	0.53	9.08	0.42
10/08/2025 22:00	14.6	354002.0	23.95	0.44	9.78	0.44
10/08/2025 23:00	14.5	335803.2	24.61	0.39	9.90	0.46
11/08/2025 00:00	14.5	328703.4	21.55	0.54	9.53	0.54
11/08/2025 01:00	14.4	324901.8	21.26	0.56	8.84	0.54
11/08/2025 02:00	14.5	326615.7	22.12	0.39	8.20	0.58
11/08/2025 03:00	14.5	327267.1	22.54	0.56	7.92	0.52
11/08/2025 04:00	14.5	326612.9	22.50	0.52	8.06	0.56
11/08/2025 05:00	14.5	320972.4	21.53	0.58	8.23	0.62
11/08/2025 06:00	14.5	322832.5	21.70	0.54	8.28	0.52
11/08/2025 07:00	14.5	337532.6	22.69	0.59	8.27	0.48
11/08/2025 08:00	14.6	336835.7	26.61	0.49	8.58	0.38
11/08/2025 09:00	14.6	378506.8	26.43	0.51	8.03	0.38
11/08/2025 10:00	14.7	377266.6	26.82	0.47	7.65	0.38
11/08/2025 11:00	14.7	374234.5	27.04	0.36	7.32	0.38
11/08/2025 12:00	14.7	285564.7	29.58	0.49	8.90	0.27
11/08/2025 13:00	14.7	376146.0	27.40	0.40	7.32	0.36
11/08/2025 14:00	14.7	376436.1	28.38	0.45	7.17	0.36
11/08/2025 15:00	14.7	375847.3	29.06	0.47	7.15	0.40
11/08/2025 16:00	14.6	375878.6	25.26	0.80	6.67	0.33
11/08/2025 17:00	14.6	372789.5	25.72	0.91	7.59	0.35
11/08/2025 18:00	14.6	372601.8	26.51	0.80	7.99	0.33
11/08/2025 19:00	14.6	373207.7	26.52	0.55	8.46	0.35
11/08/2025 20:00	14.6	371114.1	27.00	0.57	8.49	0.38
11/08/2025 21:00	14.6	366600.0	26.70	0.49	8.15	0.35
11/08/2025 22:00	14.6	365965.8	25.84	0.46	8.08	0.42
11/08/2025 23:00	14.6	365038.4	25.58	0.48	8.01	0.44

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
12/08/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/08/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/08/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/08/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/08/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/08/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/08/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/08/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/08/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/08/2025 09:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/08/2025 10:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/08/2025 11:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/08/2025 12:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/08/2025 13:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/08/2025 14:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/08/2025 15:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/08/2025 16:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
12/08/2025 17:00	14.6	252025.0	25.29	1.37	11.43	0.44
12/08/2025 18:00	14.6	360828.6	25.29	0.51	7.80	0.44
12/08/2025 19:00	14.6	361155.7	26.61	0.51	8.77	0.49
12/08/2025 20:00	14.6	362265.1	25.99	0.44	8.41	0.42
12/08/2025 21:00	14.6	360384.9	25.48	0.50	8.38	0.39
12/08/2025 22:00	14.5	358726.6	25.29	0.52	8.66	0.39
12/08/2025 23:00	14.5	331656.0	24.16	0.54	8.86	0.41
13/08/2025 00:00	14.4	316378.6	22.33	0.54	8.39	0.47
13/08/2025 01:00	14.4	315914.8	21.85	0.60	8.70	0.45
13/08/2025 02:00	14.4	315189.5	21.72	0.71	8.61	0.49
13/08/2025 03:00	14.4	314998.9	21.15	0.58	8.78	0.55
13/08/2025 04:00	14.4	314455.7	21.02	0.64	9.21	0.55
13/08/2025 05:00	14.4	312848.5	21.20	0.62	8.56	0.53
13/08/2025 06:00	14.4	319163.2	22.07	0.47	8.49	0.58
13/08/2025 07:00	14.5	335086.5	23.78	0.63	7.74	0.52
13/08/2025 08:00	14.6	334935.6	26.20	0.63	7.44	0.37
13/08/2025 09:00	14.6	375690.8	27.29	0.42	7.07	0.40
13/08/2025 10:00	14.7	374439.3	28.91	0.38	6.96	0.40
13/08/2025 11:00	14.6	362987.6	28.11	0.20	6.59	0.40
13/08/2025 12:00	14.7	284742.6	31.60	0.16	8.20	0.27
13/08/2025 13:00	14.6	372653.0	25.70	0.26	6.61	0.33
13/08/2025 14:00	14.7	378424.3	31.14	0.20	6.92	0.40
13/08/2025 15:00	14.6	377366.2	32.09	0.44	6.91	0.42
13/08/2025 16:00	14.7	377084.7	32.30	0.31	6.62	0.45
13/08/2025 17:00	14.7	377781.5	31.63	0.22	6.53	0.45
13/08/2025 18:00	14.7	375591.3	29.58	0.38	6.72	0.42
13/08/2025 19:00	14.6	376606.8	29.31	0.47	7.54	0.49
13/08/2025 20:00	14.6	375255.6	28.82	0.49	7.37	0.49
13/08/2025 21:00	14.6	370112.9	28.73	0.53	7.55	0.44
13/08/2025 22:00	14.6	369751.7	28.75	0.33	7.80	0.44
13/08/2025 23:00	14.6	367945.4	28.22	0.42	8.06	0.42
14/08/2025 00:00	14.5	339492.4	26.60	0.57	8.44	0.46
14/08/2025 01:00	14.5	349140.9	25.90	0.57	8.10	0.46
14/08/2025 02:00	14.5	347761.2	25.90	0.54	8.00	0.48
14/08/2025 03:00	14.5	346794.2	25.80	0.52	7.95	0.48
14/08/2025 04:00	14.5	345883.9	25.77	0.46	7.87	0.50
14/08/2025 05:00	14.5	340109.6	24.95	0.59	7.91	0.54
14/08/2025 06:00	14.5	340590.4	24.95	0.59	7.99	0.50
14/08/2025 07:00	14.5	350546.0	25.77	0.52	8.00	0.46
14/08/2025 08:00	14.5	337856.9	26.42	0.52	8.22	0.39
14/08/2025 09:00	14.5	375372.2	25.40	0.57	7.38	0.39
14/08/2025 10:00	14.6	374581.5	26.18	0.42	7.00	0.42
14/08/2025 11:00	14.7	376510.0	28.56	0.33	6.88	0.36
14/08/2025 12:00	14.7	286804.8	29.00	0.44	8.54	0.27
14/08/2025 13:00	14.6	375358.1	26.39	0.35	6.83	0.33
14/08/2025 14:00	14.7	376695.0	31.60	0.31	6.96	0.44
14/08/2025 15:00	14.7	376234.2	31.97	0.31	6.53	0.45
14/08/2025 16:00	14.7	375713.6	31.85	0.33	6.53	0.47
14/08/2025 17:00	14.7	375645.4	31.80	0.31	6.61	0.47

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
14/08/2025 18:00	14.7	376862.8	30.12	0.42	6.64	0.49
14/08/2025 19:00	14.6	378973.3	29.31	0.44	6.99	0.51
14/08/2025 20:00	14.6	378600.7	27.62	0.53	7.56	0.49
14/08/2025 21:00	14.6	371324.7	27.34	0.49	7.59	0.49
14/08/2025 22:00	14.6	372889.1	27.51	0.53	7.78	0.42
14/08/2025 23:00	14.6	370471.3	27.84	0.44	7.81	0.40
15/08/2025 00:00	14.6	344137.5	26.37	0.46	8.13	0.46
15/08/2025 01:00	14.5	352668.0	25.59	0.61	7.85	0.42
15/08/2025 02:00	14.5	350526.0	25.40	0.63	7.55	0.41
15/08/2025 03:00	14.5	347582.1	25.08	0.54	7.65	0.59
15/08/2025 04:00	14.5	347223.7	24.99	0.59	7.81	0.46
15/08/2025 05:00	14.5	341705.5	24.42	0.65	7.85	0.48
15/08/2025 06:00	14.5	340880.6	24.25	0.52	7.99	0.54
15/08/2025 07:00	14.5	345027.8	24.05	0.59	8.20	0.56
15/08/2025 08:00	14.6	336136.0	26.64	0.66	8.92	0.48
15/08/2025 09:00	14.6	378560.9	27.89	0.53	7.89	0.40
15/08/2025 10:00	14.6	378225.2	28.40	0.51	7.22	0.40
15/08/2025 11:00	14.7	375597.0	28.31	0.38	6.98	0.40
15/08/2025 12:00	14.7	286864.6	29.07	0.22	8.12	0.33
15/08/2025 13:00	14.6	374425.1	25.58	0.24	6.63	0.33
15/08/2025 14:00	14.6	374610.0	24.82	0.22	6.53	0.33
15/08/2025 15:00	14.6	373555.8	24.95	0.31	6.61	0.35
15/08/2025 16:00	14.6	382861.7	25.84	0.35	6.31	0.35
15/08/2025 17:00	14.6	378757.1	25.21	0.46	6.60	0.39
15/08/2025 18:00	14.6	371265.0	25.41	0.48	6.84	0.39
15/08/2025 19:00	14.6	374143.5	27.36	0.48	8.33	0.40
15/08/2025 20:00	14.6	373833.4	27.80	0.35	8.67	0.42
15/08/2025 21:00	14.6	369069.0	26.60	0.33	9.50	0.46
15/08/2025 22:00	14.5	369606.7	25.90	0.57	9.31	0.48
15/08/2025 23:00	14.5	369245.4	25.79	0.57	9.62	0.52
16/08/2025 00:00	14.5	342285.7	24.11	0.59	11.04	0.59
16/08/2025 01:00	14.5	350264.3	22.97	0.63	11.83	0.56
16/08/2025 02:00	14.5	349564.6	22.56	0.65	14.87	0.58
16/08/2025 03:00	14.4	364339.0	22.36	0.60	17.54	0.58
16/08/2025 04:00	14.4	344857.1	22.38	0.60	16.46	0.54
16/08/2025 05:00	14.4	338519.6	21.90	0.66	17.05	0.54
16/08/2025 06:00	14.4	333971.4	21.51	0.58	19.31	0.56
16/08/2025 07:00	14.4	338505.5	21.84	0.62	14.09	0.56
16/08/2025 08:00	14.6	337307.9	26.11	0.61	10.55	0.50
16/08/2025 09:00	14.6	378020.4	27.67	0.49	8.60	0.49
16/08/2025 10:00	14.6	376185.8	27.98	0.42	7.72	0.44
16/08/2025 11:00	14.6	374755.0	28.15	0.33	7.45	0.40
16/08/2025 12:00	14.6	286022.6	29.80	0.31	8.34	0.33
16/08/2025 13:00	14.6	376447.5	27.91	0.33	7.45	0.40
16/08/2025 14:00	14.6	381194.8	28.20	0.53	7.66	0.38
16/08/2025 15:00	14.6	377588.1	26.57	0.53	8.37	0.46
16/08/2025 16:00	14.6	377147.2	26.24	0.37	9.73	0.46
16/08/2025 17:00	14.5	373739.6	25.26	0.50	10.97	0.46
16/08/2025 18:00	14.5	370238.0	24.93	0.57	14.49	0.48
16/08/2025 19:00	14.5	371722.9	25.03	0.59	17.58	0.48
16/08/2025 20:00	14.5	370286.5	25.36	0.63	12.27	0.46
16/08/2025 21:00	14.5	365610.2	24.54	0.70	17.29	0.48
16/08/2025 22:00	14.5	366307.1	24.73	0.63	14.07	0.46
16/08/2025 23:00	14.5	365152.2	24.46	0.67	10.51	0.48
17/08/2025 00:00	14.5	337908.1	23.87	0.71	9.32	0.50
17/08/2025 01:00	14.5	346774.3	23.57	0.60	8.70	0.47
17/08/2025 02:00	14.5	345070.4	23.53	0.67	8.94	0.47
17/08/2025 03:00	14.5	343420.6	23.40	0.67	9.14	0.45
17/08/2025 04:00	14.4	342308.5	23.48	0.69	9.23	0.45
17/08/2025 05:00	14.4	333843.4	23.13	0.54	9.30	0.51
17/08/2025 06:00	14.4	330236.7	22.52	0.60	11.12	0.56
17/08/2025 07:00	14.4	332040.1	22.39	0.66	13.24	0.56
17/08/2025 08:00	14.4	333305.8	22.45	0.66	11.44	0.51
17/08/2025 09:00	14.5	333820.6	23.23	0.62	9.44	0.50
17/08/2025 10:00	14.5	333695.5	23.75	0.61	8.10	0.48
17/08/2025 11:00	14.5	334378.2	24.35	0.52	7.54	0.43

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
17/08/2025 12:00	14.5	332921.8	24.54	0.46	7.33	0.44
17/08/2025 13:00	14.5	332079.8	24.34	0.44	7.03	0.46
17/08/2025 14:00	14.5	331954.7	24.83	0.31	6.99	0.46
17/08/2025 15:00	14.5	331747.1	24.87	0.26	7.19	0.46
17/08/2025 16:00	14.5	335962.5	24.92	0.35	7.10	0.44
17/08/2025 17:00	14.6	299829.6	29.70	0.27	8.73	0.46
17/08/2025 18:00	14.6	356368.5	24.30	0.37	7.42	0.57
17/08/2025 19:00	14.6	361591.0	26.06	0.33	7.60	0.51
17/08/2025 20:00	14.6	363630.4	25.64	0.51	7.47	0.48
17/08/2025 21:00	14.6	364805.2	25.88	0.51	7.31	0.48
17/08/2025 22:00	14.6	363826.7	25.91	0.46	7.46	0.46
17/08/2025 23:00	14.6	343014.0	26.11	0.42	8.29	0.55
18/08/2025 00:00	14.5	337515.6	23.62	0.39	8.51	0.61
18/08/2025 01:00	14.5	337452.8	23.77	0.43	8.60	0.50
18/08/2025 02:00	14.5	336781.7	23.95	0.56	8.40	0.50
18/08/2025 03:00	14.5	332367.1	23.70	0.58	8.31	0.50
18/08/2025 04:00	14.4	328962.3	23.52	0.45	8.41	0.56
18/08/2025 05:00	14.4	326231.6	23.22	0.52	8.39	0.58
18/08/2025 06:00	14.5	327306.8	23.45	0.56	8.08	0.65
18/08/2025 07:00	14.5	346219.5	25.11	0.44	7.58	0.55
18/08/2025 08:00	14.6	337982.1	27.54	0.42	7.70	0.35
18/08/2025 09:00	14.6	376143.1	25.80	0.44	6.70	0.35
18/08/2025 10:00	14.7	377647.8	28.63	0.31	6.74	0.36
18/08/2025 11:00	14.7	377653.6	29.55	0.18	6.22	0.34
18/08/2025 12:00	14.6	289490.0	29.00	0.22	8.08	0.27
18/08/2025 13:00	14.6	377502.8	25.01	0.22	6.72	0.29
18/08/2025 14:00	14.6	376123.2	24.80	0.29	6.93	0.31
18/08/2025 15:00	14.6	379348.8	27.78	0.33	6.84	0.35
18/08/2025 16:00	14.6	378637.7	27.56	0.35	7.27	0.33
18/08/2025 17:00	14.6	374937.1	27.29	0.35	7.78	0.35
18/08/2025 18:00	14.6	371555.1	26.83	0.42	8.27	0.35
18/08/2025 19:00	14.6	374666.8	27.08	0.48	8.98	0.33
18/08/2025 20:00	14.6	373665.7	27.51	0.40	8.58	0.35
18/08/2025 21:00	14.6	369003.5	27.14	0.46	8.39	0.37
18/08/2025 22:00	14.6	370132.8	27.10	0.46	8.37	0.35
18/08/2025 23:00	14.6	369871.1	26.92	0.57	8.30	0.33
19/08/2025 00:00	14.6	364791.0	26.88	0.55	8.75	0.35
19/08/2025 01:00	14.6	379360.2	27.10	0.64	9.05	0.40
19/08/2025 02:00	14.6	379616.1	27.47	0.51	8.71	0.40
19/08/2025 03:00	14.6	379309.0	27.47	0.48	8.51	0.40
19/08/2025 04:00	14.6	378515.3	27.10	0.59	8.67	0.40
19/08/2025 05:00	14.6	378714.5	26.75	0.66	9.49	0.44
19/08/2025 06:00	14.6	379476.9	25.98	0.66	10.70	0.53
19/08/2025 07:00	14.6	383848.8	27.03	0.59	9.92	0.53
19/08/2025 08:00	14.5	345886.8	25.18	0.59	7.93	0.39
19/08/2025 09:00	14.6	377622.3	25.62	0.48	6.97	0.33
19/08/2025 10:00	14.7	377315.1	27.91	0.42	6.92	0.33
19/08/2025 11:00	14.7	375764.8	28.56	0.22	6.63	0.31
19/08/2025 12:00	14.7	287117.7	30.00	0.24	8.45	0.22
19/08/2025 13:00	14.6	377622.2	25.33	0.37	6.54	0.26
19/08/2025 14:00	14.7	380822.2	29.89	0.22	6.76	0.38
19/08/2025 15:00	14.7	379718.6	29.16	0.45	6.83	0.33
19/08/2025 16:00	14.7	380731.2	30.01	0.51	6.83	0.40
19/08/2025 17:00	14.7	379223.7	28.45	0.47	6.95	0.36
19/08/2025 18:00	14.6	374325.6	27.62	0.42	7.44	0.36
19/08/2025 19:00	14.6	375909.8	27.51	0.42	7.86	0.42
19/08/2025 20:00	14.6	375036.6	27.51	0.49	7.76	0.42
19/08/2025 21:00	14.6	370505.4	27.16	0.49	7.67	0.46
19/08/2025 22:00	14.6	371156.8	26.87	0.46	7.79	0.51
19/08/2025 23:00	14.6	368790.2	26.09	0.59	8.12	0.55
20/08/2025 00:00	14.6	362182.7	25.04	0.37	8.29	0.59
20/08/2025 01:00	14.6	379294.8	26.92	0.33	7.97	0.51
20/08/2025 02:00	14.6	378896.6	26.72	0.55	7.93	0.44
20/08/2025 03:00	14.6	378979.0	26.70	0.59	8.07	0.40
20/08/2025 04:00	14.6	378273.5	26.90	0.53	8.29	0.42
20/08/2025 05:00	14.6	379118.4	26.86	0.53	8.41	0.42

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
20/08/2025 06:00	14.6	378873.8	26.66	0.70	8.06	0.44
20/08/2025 07:00	14.6	365704.0	26.57	0.55	7.15	0.46
20/08/2025 08:00	14.6	332660.2	26.42	0.57	7.22	0.33
20/08/2025 09:00	14.6	376666.5	26.10	0.42	6.39	0.35
20/08/2025 10:00	14.7	377784.3	28.00	0.40	5.95	0.36
20/08/2025 11:00	14.7	374274.4	28.47	0.25	6.32	0.36
20/08/2025 12:00	14.7	288431.9	28.93	0.33	8.34	0.29
20/08/2025 13:00	14.6	375173.1	25.09	0.46	6.27	0.33
20/08/2025 14:00	14.7	377343.5	29.12	0.49	6.99	0.38
20/08/2025 15:00	14.7	377659.2	30.55	0.47	6.67	0.43
20/08/2025 16:00	14.7	378296.5	30.67	0.45	6.50	0.49
20/08/2025 17:00	14.7	378612.1	30.58	0.42	7.04	0.53
20/08/2025 18:00	14.7	378279.3	28.07	0.72	7.30	0.51
20/08/2025 19:00	14.7	380159.5	27.29	0.60	7.89	0.62
20/08/2025 20:00	14.6	378959.1	26.47	0.51	8.36	0.64
20/08/2025 21:00	14.6	372937.4	25.90	0.46	8.57	0.62
20/08/2025 22:00	14.6	372411.2	25.92	0.44	8.04	0.44
20/08/2025 23:00	14.6	371694.5	25.55	0.48	7.97	0.42
21/08/2025 00:00	14.6	362620.6	24.56	0.57	8.19	0.37
21/08/2025 01:00	14.6	379658.9	26.46	0.62	8.11	0.35
21/08/2025 02:00	14.6	379229.3	26.22	0.57	8.17	0.42
21/08/2025 03:00	14.6	378728.8	26.13	0.57	8.17	0.44
21/08/2025 04:00	14.6	378632.1	25.87	0.61	8.35	0.48
21/08/2025 05:00	14.6	379070.1	25.96	0.48	8.10	0.51
21/08/2025 06:00	14.6	378839.6	26.18	0.33	8.22	0.57
21/08/2025 07:00	14.5	365655.7	25.48	0.61	8.90	0.55
21/08/2025 08:00	14.6	341648.5	24.84	0.64	8.16	0.46
21/08/2025 09:00	14.6	376586.8	24.38	0.55	6.58	0.42
21/08/2025 10:00	14.7	379644.6	27.40	0.40	6.60	0.40
21/08/2025 11:00	14.7	376197.1	27.93	0.31	6.66	0.40
21/08/2025 12:00	14.7	287200.2	28.80	0.22	8.11	0.29
21/08/2025 13:00	14.6	378267.8	24.06	0.53	6.36	0.31
21/08/2025 14:00	14.6	378774.2	24.39	0.55	6.27	0.33
21/08/2025 15:00	14.6	381081.1	24.96	0.44	6.34	0.33
21/08/2025 16:00	14.6	377883.9	25.34	0.53	6.27	0.37
21/08/2025 17:00	14.6	374021.2	25.96	0.64	7.96	0.42
21/08/2025 18:00	14.6	373318.6	26.32	0.51	8.54	0.55
21/08/2025 19:00	14.6	374740.8	25.02	0.57	8.84	0.59
21/08/2025 20:00	14.5	372786.7	24.49	0.54	13.27	0.54
21/08/2025 21:00	14.5	369731.7	25.04	0.59	17.22	0.37
21/08/2025 22:00	14.5	369413.2	25.72	0.54	9.45	0.35
21/08/2025 23:00	14.5	365974.3	25.26	0.63	13.51	0.33
22/08/2025 00:00	14.5	361320.7	24.35	0.74	11.51	0.37
22/08/2025 01:00	14.5	376621.0	25.89	0.74	9.46	0.39
22/08/2025 02:00	14.5	377443.1	25.99	0.70	14.86	0.41
22/08/2025 03:00	14.5	377798.6	26.01	0.70	13.64	0.44
22/08/2025 04:00	14.5	378063.2	25.61	0.70	15.82	0.46
22/08/2025 05:00	14.5	378620.6	25.83	0.59	21.07	0.48
22/08/2025 06:00	14.5	378603.5	25.68	0.76	16.09	0.44
22/08/2025 07:00	14.5	364338.6	24.89	0.70	12.53	0.48
22/08/2025 08:00	14.5	336793.1	25.55	0.74	12.65	0.44
22/08/2025 09:00	14.6	378902.2	25.73	0.60	9.44	0.40
22/08/2025 10:00	14.6	378211.1	26.18	0.58	8.03	0.38
22/08/2025 11:00	14.6	374942.7	26.67	0.38	7.37	0.38
22/08/2025 12:00	14.6	287808.9	29.27	0.24	8.22	0.27
22/08/2025 13:00	14.7	380836.5	27.71	0.38	7.01	0.33
22/08/2025 14:00	14.7	381283.0	27.53	0.45	7.26	0.38
22/08/2025 15:00	14.6	379636.1	26.43	0.51	6.94	0.42
22/08/2025 16:00	14.6	378296.4	25.48	0.55	8.69	0.46
22/08/2025 17:00	14.6	374058.1	25.25	0.42	9.86	0.46
22/08/2025 18:00	14.6	369447.5	25.69	0.55	10.23	0.40
22/08/2025 19:00	14.6	372667.4	25.83	0.50	10.79	0.31
22/08/2025 20:00	14.5	372254.7	26.42	0.44	10.18	0.33
22/08/2025 21:00	14.5	367331.1	25.42	0.57	10.08	0.33
22/08/2025 22:00	14.5	368579.7	25.23	0.65	9.83	0.35
22/08/2025 23:00	14.5	366193.2	25.04	0.65	13.42	0.39

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
23/08/2025 00:00	14.5	362139.9	25.71	0.70	21.00	0.48
23/08/2025 01:00	14.5	378026.1	26.06	0.68	9.96	0.57
23/08/2025 02:00	14.5	378011.9	25.68	0.72	10.18	0.44
23/08/2025 03:00	14.5	377602.4	25.59	0.66	10.10	0.39
23/08/2025 04:00	14.5	377730.3	25.70	0.52	9.86	0.46
23/08/2025 05:00	14.5	378034.7	25.61	0.59	21.59	0.44
23/08/2025 06:00	14.5	378225.3	25.48	0.66	18.10	0.46
23/08/2025 07:00	14.5	363960.4	24.19	0.85	15.60	0.50
23/08/2025 08:00	14.6	331943.4	25.20	0.72	9.98	0.44
23/08/2025 09:00	14.6	368372.2	23.95	0.59	7.97	0.37
23/08/2025 10:00	14.6	366457.8	26.00	0.53	7.40	0.31
23/08/2025 11:00	14.6	365994.2	26.58	0.29	6.91	0.33
23/08/2025 12:00	14.7	282228.1	32.43	0.27	9.04	0.45
23/08/2025 13:00	14.6	366361.0	24.99	0.22	6.91	0.38
23/08/2025 14:00	14.7	368852.9	27.29	0.27	7.21	0.33
23/08/2025 15:00	14.7	369162.8	27.78	0.34	7.17	0.31
23/08/2025 16:00	14.7	371023.2	27.84	0.47	7.01	0.29
23/08/2025 17:00	14.7	371017.4	27.93	0.34	6.93	0.34
23/08/2025 18:00	14.6	370599.3	26.28	0.49	7.73	0.35
23/08/2025 19:00	14.6	373355.5	26.21	0.55	8.80	0.35
23/08/2025 20:00	14.6	369828.5	26.55	0.57	10.45	0.33
23/08/2025 21:00	14.6	364361.5	25.87	0.57	9.54	0.35
23/08/2025 22:00	14.6	364336.0	25.67	0.50	8.99	0.44
23/08/2025 23:00	14.6	363357.4	25.17	0.46	8.62	0.39
24/08/2025 00:00	14.5	337438.8	24.09	0.52	8.71	0.41
24/08/2025 01:00	14.5	345693.3	22.93	0.54	8.49	0.45
24/08/2025 02:00	14.5	345514.1	23.09	0.56	8.44	0.48
24/08/2025 03:00	14.5	343389.3	23.30	0.56	8.12	0.46
24/08/2025 04:00	14.5	340206.4	23.22	0.65	8.20	0.46
24/08/2025 05:00	14.5	331183.8	22.78	0.56	8.25	0.50
24/08/2025 06:00	14.4	324820.8	22.00	0.67	8.46	0.49
24/08/2025 07:00	14.4	318526.1	21.58	0.52	8.13	0.47
24/08/2025 08:00	14.5	316870.5	21.55	0.39	7.95	0.45
24/08/2025 09:00	14.5	314717.3	21.67	0.39	7.45	0.39
24/08/2025 10:00	14.5	312356.5	21.91	0.41	7.41	0.43
24/08/2025 11:00	14.5	313645.0	22.23	0.20	7.68	0.44
24/08/2025 12:00	14.5	314054.6	22.38	0.17	7.78	0.46
24/08/2025 13:00	14.5	318179.0	22.87	0.13	7.62	0.44
24/08/2025 14:00	14.5	316196.4	22.48	0.17	7.60	0.46
24/08/2025 15:00	14.5	320244.1	22.96	0.13	7.24	0.46
24/08/2025 16:00	14.5	325287.3	23.30	0.22	6.87	0.44
24/08/2025 17:00	14.5	321714.7	22.64	0.37	7.81	0.46
24/08/2025 18:00	14.6	385444.5	27.47	0.42	7.50	0.42
24/08/2025 19:00	14.5	390063.9	26.84	0.35	7.75	0.33
24/08/2025 20:00	14.6	392009.5	26.44	0.48	8.59	0.29
24/08/2025 21:00	14.6	392814.4	26.28	0.55	9.55	0.26
24/08/2025 22:00	14.6	392217.0	26.31	0.44	9.84	0.26
24/08/2025 23:00	14.5	360052.1	24.25	0.39	9.06	0.37
25/08/2025 00:00	14.4	330088.7	21.58	0.64	8.77	0.38
25/08/2025 01:00	14.4	329408.2	21.76	0.56	8.63	0.43
25/08/2025 02:00	14.4	328777.4	21.74	0.56	8.78	0.45
25/08/2025 03:00	14.4	327631.1	21.23	0.75	8.96	0.43
25/08/2025 04:00	14.4	326083.7	21.13	0.62	9.35	0.49
25/08/2025 05:00	14.4	323592.1	21.13	0.58	9.26	0.47
25/08/2025 06:00	14.6	292136.7	29.45	0.51	11.11	0.51
25/08/2025 07:00	14.5	286728.0	27.45	0.55	10.63	0.57
25/08/2025 08:00	14.6	334753.7	26.96	0.55	8.86	0.37
25/08/2025 09:00	14.6	377935.2	25.94	0.58	7.43	0.35
25/08/2025 10:00	14.7	378322.1	26.29	0.49	7.16	0.31
25/08/2025 11:00	14.7	377391.8	27.31	0.33	6.59	0.31
25/08/2025 12:00	14.6	287197.3	29.24	0.27	8.64	0.24
25/08/2025 13:00	14.7	377289.5	27.69	0.51	7.04	0.31
25/08/2025 14:00	14.7	378879.5	28.99	0.40	6.98	0.34
25/08/2025 15:00	14.6	379826.7	29.58	0.33	6.93	0.36
25/08/2025 16:00	14.7	380301.7	28.33	0.40	7.04	0.38
25/08/2025 17:00	14.7	378475.6	27.38	0.54	7.08	0.42

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
25/08/2025 18:00	14.7	375474.7	26.60	0.47	6.87	0.49
25/08/2025 19:00	14.6	378689.0	26.47	0.47	7.22	0.38
25/08/2025 20:00	14.6	376308.1	25.59	0.58	7.86	0.42
25/08/2025 21:00	14.6	370286.5	24.85	0.53	8.08	0.44
25/08/2025 22:00	14.6	371802.5	25.16	0.51	7.95	0.40
25/08/2025 23:00	14.6	370568.0	25.29	0.62	7.93	0.42
26/08/2025 00:00	14.6	366571.5	26.02	0.55	8.33	0.37
26/08/2025 01:00	14.6	380774.0	26.89	0.62	8.32	0.35
26/08/2025 02:00	14.6	379277.8	26.85	0.73	8.49	0.31
26/08/2025 03:00	14.6	379189.5	27.20	0.55	8.42	0.33
26/08/2025 04:00	14.6	379237.9	27.18	0.62	8.44	0.33
26/08/2025 05:00	14.6	379730.0	27.27	0.57	8.33	0.35
26/08/2025 06:00	14.6	379852.3	27.40	0.64	8.20	0.35
26/08/2025 07:00	14.6	365945.8	27.03	0.64	8.23	0.37
26/08/2025 08:00	14.6	344481.6	27.12	0.49	8.05	0.33
26/08/2025 09:00	14.7	376592.5	28.11	0.47	7.21	0.31
26/08/2025 10:00	14.7	375534.4	28.07	0.42	7.20	0.33
26/08/2025 11:00	14.7	372672.8	28.27	0.29	7.04	0.31
26/08/2025 12:00	14.7	285007.2	32.72	0.27	9.09	0.20
26/08/2025 13:00	14.7	377454.4	28.83	0.20	6.97	0.29
26/08/2025 14:00	14.7	378967.6	28.88	0.29	6.93	0.29
26/08/2025 15:00	14.7	376688.0	27.67	0.38	7.13	0.33
26/08/2025 16:00	14.6	370050.3	26.72	0.31	8.02	0.33
26/08/2025 17:00	14.6	369760.2	26.79	0.44	8.43	0.31
26/08/2025 18:00	14.6	369979.3	26.61	0.49	8.47	0.33
26/08/2025 19:00	14.6	372621.7	26.68	0.44	8.66	0.35
26/08/2025 20:00	14.6	372397.0	26.57	0.51	8.68	0.40
26/08/2025 21:00	14.6	368087.7	26.26	0.48	8.48	0.40
26/08/2025 22:00	14.6	368989.4	26.26	0.48	8.42	0.40
26/08/2025 23:00	14.6	367259.9	26.26	0.40	8.34	0.42
27/08/2025 00:00	14.6	359784.7	27.36	0.62	8.88	0.35
27/08/2025 01:00	14.6	380392.8	27.18	0.49	8.43	0.33
27/08/2025 02:00	14.6	379667.4	26.76	0.53	8.77	0.35
27/08/2025 03:00	14.6	378956.2	26.59	0.53	8.86	0.35
27/08/2025 04:00	14.6	378688.9	26.74	0.57	8.83	0.37
27/08/2025 05:00	14.6	378646.2	26.54	0.64	8.70	0.40
27/08/2025 06:00	14.6	379289.1	27.16	0.57	8.74	0.38
27/08/2025 07:00	14.6	364367.2	26.79	0.57	8.59	0.40
27/08/2025 08:00	14.6	332810.8	29.93	0.55	8.73	0.31
27/08/2025 09:00	14.6	376484.4	27.73	0.51	7.79	0.38
27/08/2025 10:00	14.7	376677.9	27.96	0.49	7.20	0.36
27/08/2025 11:00	14.7	375824.5	28.58	0.34	6.98	0.34
27/08/2025 12:00	14.7	287407.8	31.85	0.25	8.98	0.27
27/08/2025 13:00	14.7	380327.3	28.72	0.25	7.24	0.34
27/08/2025 14:00	14.7	378654.8	28.67	0.27	7.32	0.34
27/08/2025 15:00	14.7	380159.5	28.56	0.29	7.20	0.34
27/08/2025 16:00	14.7	380244.8	28.25	0.31	7.36	0.36
27/08/2025 17:00	14.7	376700.6	27.93	0.29	7.41	0.47
27/08/2025 18:00	14.7	374541.7	27.27	0.40	7.52	0.51
27/08/2025 19:00	14.6	376487.3	27.16	0.42	7.82	0.49
27/08/2025 20:00	14.6	374883.0	26.76	0.47	8.14	0.51
27/08/2025 21:00	14.6	369737.4	26.25	0.35	8.18	0.49
27/08/2025 22:00	14.6	370881.0	26.89	0.38	8.17	0.49
27/08/2025 23:00	14.6	370892.3	26.96	0.49	8.17	0.49
28/08/2025 00:00	14.6	372098.3	27.38	0.42	8.44	0.49
28/08/2025 01:00	14.6	380037.2	26.96	0.58	8.28	0.51
28/08/2025 02:00	14.6	379764.1	26.74	0.62	8.24	0.49
28/08/2025 03:00	14.6	379616.2	26.94	0.51	8.40	0.46
28/08/2025 04:00	14.6	380179.4	26.87	0.53	8.41	0.46
28/08/2025 05:00	14.6	380438.2	26.67	0.51	8.42	0.60
28/08/2025 06:00	14.6	379801.1	26.47	0.60	8.38	0.60
28/08/2025 07:00	14.6	384682.2	27.25	0.53	8.22	0.60
28/08/2025 08:00	14.6	372075.6	26.55	0.46	7.63	0.48
28/08/2025 09:00	Calibrate	376111.0	Calibrate	Calibrate	Calibrate	Calibrate
28/08/2025 10:00	14.3	380472.4	25.83	1.66	6.36	1.83
28/08/2025 11:00	14.7	379272.0	27.84	1.28	6.84	0.09

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
28/08/2025 12:00	14.6	289572.4	28.27	1.18	9.10	0.07
28/08/2025 13:00	14.7	378919.4	27.35	0.98	7.05	0.09
28/08/2025 14:00	14.7	379115.6	27.15	0.49	7.08	0.07
28/08/2025 15:00	14.7	379052.9	28.20	0.40	7.16	0.11
28/08/2025 16:00	14.7	380025.8	28.02	0.63	7.12	0.09
28/08/2025 17:00	14.7	376763.2	26.10	0.49	7.13	0.09
28/08/2025 18:00	14.7	372857.8	25.11	0.53	7.23	0.16
28/08/2025 19:00	14.6	374846.0	25.01	0.53	7.77	0.09
28/08/2025 20:00	14.6	374410.9	24.51	0.57	7.72	0.11
28/08/2025 21:00	14.6	371654.6	23.90	0.64	7.58	0.20
28/08/2025 22:00	14.6	372963.1	24.11	0.57	7.67	0.27
28/08/2025 23:00	14.6	371381.6	24.36	0.57	7.85	0.09
29/08/2025 00:00	14.6	372926.1	24.84	0.55	8.27	0.09
29/08/2025 01:00	14.6	380327.2	24.82	0.51	8.20	0.09
29/08/2025 02:00	14.6	379758.4	24.73	0.49	8.09	0.09
29/08/2025 03:00	14.6	380244.9	24.82	0.62	8.08	0.09
29/08/2025 04:00	14.6	380344.4	24.97	0.55	8.04	0.09
29/08/2025 05:00	14.6	380620.2	25.28	0.62	8.07	0.09
29/08/2025 06:00	14.6	380278.9	24.84	0.73	8.09	0.07
29/08/2025 07:00	14.6	366921.4	24.35	0.55	7.83	0.13
29/08/2025 08:00	14.6	336830.1	23.58	0.61	8.26	0.09
29/08/2025 09:00	14.6	377022.1	22.48	0.57	7.04	0.07
29/08/2025 10:00	14.7	380404.0	26.01	0.65	6.41	0.07
29/08/2025 11:00	14.7	378137.1	26.97	0.65	7.11	0.07
29/08/2025 12:00	14.7	288252.6	28.16	0.49	9.19	0.04
29/08/2025 13:00	14.6	377770.1	22.43	0.46	6.98	0.73
29/08/2025 14:00	14.6	377030.6	22.85	0.42	7.29	1.08
29/08/2025 15:00	14.6	378381.7	22.67	0.29	7.27	1.08
29/08/2025 16:00	14.6	376840.0	22.48	0.26	7.46	1.10
29/08/2025 17:00	14.6	373665.6	22.01	0.20	7.45	1.10
29/08/2025 18:00	14.6	369808.5	21.69	0.29	7.28	1.12
29/08/2025 19:00	14.7	377431.6	24.63	0.38	7.26	1.25
29/08/2025 20:00	14.7	377673.5	25.19	0.31	7.27	1.23
29/08/2025 21:00	14.7	374496.2	25.19	0.45	7.51	1.14
29/08/2025 22:00	14.7	374814.7	25.20	0.62	7.72	1.07
29/08/2025 23:00	14.6	371629.1	24.70	0.55	7.79	1.08
30/08/2025 00:00	14.6	366207.5	23.77	0.62	8.19	1.08
30/08/2025 01:00	14.6	380685.8	25.23	0.73	7.89	1.06
30/08/2025 02:00	14.6	380458.1	25.21	0.55	7.98	1.09
30/08/2025 03:00	14.6	379741.3	25.17	0.62	8.01	1.13
30/08/2025 04:00	14.6	379695.9	24.61	0.58	7.99	1.20
30/08/2025 05:00	14.6	380119.7	24.60	0.64	8.13	1.24
30/08/2025 06:00	14.6	379781.1	24.51	0.64	8.31	1.19
30/08/2025 07:00	14.6	365075.4	23.87	0.48	8.39	1.12
30/08/2025 08:00	14.6	334665.4	24.31	0.46	8.94	1.05
30/08/2025 09:00	14.6	375579.9	23.01	0.42	7.61	1.06
30/08/2025 10:00	14.7	377610.9	25.18	0.29	7.52	1.14
30/08/2025 11:00	14.7	376970.9	25.85	0.27	7.68	1.17
30/08/2025 12:00	14.7	285880.4	29.25	0.20	9.74	1.07
30/08/2025 13:00	14.6	376183.0	23.48	0.29	7.29	1.11
30/08/2025 14:00	14.7	378543.9	27.22	0.38	7.58	1.17
30/08/2025 15:00	14.7	376831.4	26.72	0.32	7.68	1.22
30/08/2025 16:00	14.7	378521.2	26.95	0.45	7.59	1.19
30/08/2025 17:00	14.7	373759.5	25.40	0.63	7.78	1.23
30/08/2025 18:00	14.7	369572.4	24.43	0.56	7.88	1.29
30/08/2025 19:00	14.7	372883.4	24.52	0.62	7.99	1.36
30/08/2025 20:00	14.7	371671.6	24.15	0.74	7.89	1.40
30/08/2025 21:00	14.6	368756.0	22.70	0.55	7.71	1.44
30/08/2025 22:00	14.6	367854.4	23.33	0.62	7.55	1.13
30/08/2025 23:00	14.6	366361.1	23.03	0.57	7.72	1.17
31/08/2025 00:00	14.6	340650.2	20.38	0.63	8.32	1.18
31/08/2025 01:00	14.6	350799.1	21.28	0.64	8.41	1.14
31/08/2025 02:00	14.6	348645.9	21.33	0.48	8.68	1.12
31/08/2025 03:00	14.6	346407.3	21.52	0.46	8.69	1.18
31/08/2025 04:00	14.5	344325.1	21.51	0.42	8.57	1.18
31/08/2025 05:00	14.5	338130.1	20.96	0.28	8.76	1.18

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/08/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
31/08/2025 06:00	14.5	333160.7	20.47	0.26	8.98	1.17
31/08/2025 07:00	14.5	333715.4	20.65	0.20	8.84	1.17
31/08/2025 08:00	14.5	331974.6	20.76	0.28	8.49	1.19
31/08/2025 09:00	14.5	330523.9	21.07	0.37	8.02	1.15
31/08/2025 10:00	14.6	334716.7	21.69	0.31	7.81	1.16
31/08/2025 11:00	14.6	332967.3	21.69	0.44	7.84	1.16
31/08/2025 12:00	14.6	331681.6	21.76	0.28	7.71	1.16
31/08/2025 13:00	14.5	337481.5	21.13	0.26	7.49	1.13
31/08/2025 14:00	14.5	331431.3	20.32	0.20	8.37	1.13
31/08/2025 15:00	14.6	334463.5	21.08	0.28	7.73	1.14
31/08/2025 16:00	14.5	333834.9	20.50	0.37	7.47	1.18
31/08/2025 17:00	14.5	328999.3	19.90	0.30	8.74	1.19
31/08/2025 18:00	14.6	389176.4	25.54	0.44	9.45	1.16
31/08/2025 19:00	14.6	390831.9	24.67	0.61	9.61	1.23
31/08/2025 20:00	14.6	391079.3	24.39	0.55	9.76	1.18
31/08/2025 21:00	14.5	389856.2	25.20	0.61	9.59	1.31
31/08/2025 22:00	14.5	390843.2	24.22	0.64	10.78	1.37
31/08/2025 23:00	14.5	365644.2	21.64	0.68	11.88	1.30
Minimum	14.28	252,025.00	19.90	0.13	5.95	0.04
Maximum	14.75	392,814.40	33.52	1.66	21.59	1.83
Avg	14.58	359,808.00	25.61	0.50	8.34	0.49
SUM						
STD			STD = 60	STD = 6	STD = 28	STD = 690

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
01/09/2025 00:00	14.6	319433.5	Maintain	Maintain	12.08	Maintain
01/09/2025 01:00	14.6	318265.6	Maintain	Maintain	10.24	Maintain
01/09/2025 02:00	14.6	315431.3	Maintain	Maintain	11.22	Maintain
01/09/2025 03:00	14.6	312183.0	Maintain	Maintain	10.97	Maintain
01/09/2025 04:00	14.7	265124.9	Maintain	Maintain	12.27	Maintain
01/09/2025 05:00	14.7	250713.4	Maintain	Maintain	12.68	Maintain
01/09/2025 06:00	14.7	251763.0	Maintain	Maintain	13.54	Maintain
01/09/2025 07:00	14.7	259822.8	Maintain	Maintain	10.70	Maintain
01/09/2025 08:00	14.7	309623.6	Maintain	Maintain	8.35	Maintain
01/09/2025 09:00	14.8	356983.0	41.22	1.94	6.88	1.82
01/09/2025 10:00	14.8	356197.9	41.59	1.85	6.19	1.76
01/09/2025 11:00	14.8	354337.7	41.77	1.79	6.20	1.77
01/09/2025 12:00	14.7	258009.8	42.11	1.78	5.75	1.74
01/09/2025 13:00	14.7	353216.9	41.83	1.75	6.13	1.80
01/09/2025 14:00	14.6	351891.4	35.66	1.75	6.11	1.75
01/09/2025 15:00	14.6	354189.8	34.24	1.77	6.00	1.74
01/09/2025 16:00	14.6	355671.7	36.74	1.84	5.98	1.77
01/09/2025 17:00	14.6	355449.8	34.88	1.86	6.00	1.77
01/09/2025 18:00	14.6	354041.8	34.31	1.80	6.11	1.84
01/09/2025 19:00	14.7	358558.8	39.97	1.86	7.51	1.97
01/09/2025 20:00	14.7	358538.9	38.38	1.92	7.97	1.92
01/09/2025 21:00	14.8	351038.1	37.20	1.97	7.41	1.88
01/09/2025 22:00	14.8	352315.3	36.58	1.97	7.54	1.88
01/09/2025 23:00	14.7	349587.4	35.22	1.93	7.60	1.78
02/09/2025 00:00	14.7	318528.6	31.54	2.00	8.81	1.80
02/09/2025 01:00	14.6	327224.4	30.24	2.02	8.24	1.82
02/09/2025 02:00	14.6	325642.9	29.44	2.03	7.47	1.83
02/09/2025 03:00	14.6	323745.7	28.84	2.05	7.41	1.85
02/09/2025 04:00	14.6	323168.3	28.46	2.05	8.79	1.94
02/09/2025 05:00	14.6	318238.8	28.63	2.06	13.15	1.89
02/09/2025 06:00	14.6	320326.6	28.06	2.07	11.96	1.96
02/09/2025 07:00	14.6	330842.6	29.15	2.06	12.06	1.93
02/09/2025 08:00	14.7	316922.6	36.48	2.04	8.83	1.91
02/09/2025 09:00	14.8	358277.2	37.31	2.05	6.96	1.84
02/09/2025 10:00	14.8	359085.0	39.16	1.99	6.42	1.81
02/09/2025 11:00	14.8	356010.2	39.14	1.92	6.25	1.80
02/09/2025 12:00	14.8	260768.0	40.50	1.88	6.22	1.74
02/09/2025 13:00	14.7	355478.3	40.76	1.91	6.48	1.78
02/09/2025 14:00	14.7	358103.7	38.24	1.92	6.56	1.74
02/09/2025 15:00	14.7	358334.1	37.15	1.87	6.54	1.74
02/09/2025 16:00	14.7	357108.2	41.63	1.91	6.67	1.82
02/09/2025 17:00	14.7	359141.9	39.22	1.96	7.06	1.81
02/09/2025 18:00	14.7	356957.4	37.72	1.98	7.98	1.96
02/09/2025 19:00	14.7	356681.5	36.59	2.02	8.92	1.86
02/09/2025 20:00	14.7	354573.8	36.26	2.02	9.06	1.93
02/09/2025 21:00	14.7	349863.3	34.20	2.02	9.90	1.93
02/09/2025 22:00	14.7	351188.9	34.19	2.02	11.18	1.89
02/09/2025 23:00	14.7	350651.3	34.37	2.06	10.43	1.73
03/09/2025 00:00	14.6	321422.9	31.82	2.11	12.10	1.75
03/09/2025 01:00	14.6	331371.6	30.26	2.10	9.34	1.77
03/09/2025 02:00	14.6	330057.5	29.92	2.17	8.86	1.75
03/09/2025 03:00	14.6	328191.5	29.88	2.21	8.07	1.79
03/09/2025 04:00	14.6	328811.6	30.28	2.15	7.65	1.80
03/09/2025 05:00	14.6	322989.0	29.70	2.14	7.45	1.83
03/09/2025 06:00	14.6	321885.4	28.90	2.14	7.59	1.88
03/09/2025 07:00	14.6	326746.6	30.26	2.13	8.34	1.91
03/09/2025 08:00	14.7	316517.4	37.58	2.09	7.08	1.82
03/09/2025 09:00	14.8	356311.7	38.76	2.08	6.41	1.78
03/09/2025 10:00	14.8	354949.2	40.01	2.05	6.12	1.73
03/09/2025 11:00	14.8	353916.7	40.26	1.96	6.22	1.75
03/09/2025 12:00	14.7	260798.0	41.72	1.87	6.09	1.74
03/09/2025 13:00	14.7	356004.5	40.62	1.94	6.61	1.76
03/09/2025 14:00	14.7	355139.8	41.27	1.93	6.75	1.75
03/09/2025 15:00	14.6	354132.9	34.29	1.93	6.40	1.64
03/09/2025 16:00	14.6	353919.5	35.34	1.91	6.54	1.68
03/09/2025 17:00	14.7	355034.6	42.87	1.91	6.33	1.80

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
03/09/2025 18:00	14.7	354983.3	39.65	1.92	7.22	1.76
03/09/2025 19:00	14.8	358322.7	38.40	1.99	7.50	1.76
03/09/2025 20:00	14.8	355734.3	37.34	2.03	7.30	1.88
03/09/2025 21:00	14.7	349590.3	35.35	2.05	7.43	1.73
03/09/2025 22:00	14.7	349769.5	33.66	2.10	11.62	1.75
03/09/2025 23:00	14.7	346805.6	33.16	2.12	12.92	1.72
04/09/2025 00:00	14.6	320600.8	31.26	2.13	8.30	1.71
04/09/2025 01:00	14.6	331309.0	29.86	2.15	9.92	1.73
04/09/2025 02:00	14.6	331724.3	29.35	2.14	8.68	1.77
04/09/2025 03:00	14.6	329719.0	29.15	2.17	9.13	1.77
04/09/2025 04:00	14.6	328564.2	28.75	2.12	11.38	1.77
04/09/2025 05:00	14.6	324596.2	28.11	2.16	10.51	1.83
04/09/2025 06:00	14.6	323862.3	28.09	2.16	9.51	1.81
04/09/2025 07:00	14.6	324755.4	29.52	2.17	7.05	1.88
04/09/2025 08:00	14.7	313836.3	36.83	2.13	6.56	1.75
04/09/2025 09:00	14.8	358556.0	36.80	2.10	6.44	1.76
04/09/2025 10:00	14.8	358968.4	39.12	2.10	6.78	1.72
04/09/2025 11:00	14.7	355279.2	38.95	2.08	6.75	1.71
04/09/2025 12:00	14.7	260256.1	40.53	2.00	6.43	1.73
04/09/2025 13:00	14.7	358018.4	38.99	1.96	6.75	1.74
04/09/2025 14:00	14.7	357927.3	40.40	1.92	6.58	1.77
04/09/2025 15:00	14.7	356809.5	39.82	1.93	6.66	1.75
04/09/2025 16:00	14.7	357452.3	39.30	1.91	6.71	1.71
04/09/2025 17:00	14.7	355990.3	37.80	1.94	6.80	1.71
04/09/2025 18:00	14.7	350642.7	35.31	1.97	8.11	1.70
04/09/2025 19:00	14.7	351120.6	36.08	2.03	21.89	1.70
04/09/2025 20:00	14.7	352002.4	36.10	2.08	8.89	1.75
04/09/2025 21:00	14.7	348114.0	34.25	2.13	8.73	1.75
04/09/2025 22:00	14.7	348836.5	34.19	2.11	11.39	1.70
04/09/2025 23:00	14.7	348250.6	33.51	2.15	10.45	1.68
05/09/2025 00:00	14.7	342090.2	36.46	2.17	7.83	1.77
05/09/2025 01:00	14.7	360018.0	35.89	2.17	7.78	1.75
05/09/2025 02:00	14.7	359494.6	35.69	2.19	8.42	1.77
05/09/2025 03:00	14.7	359329.7	35.78	2.19	9.83	1.79
05/09/2025 04:00	14.7	358823.3	35.70	2.21	10.53	1.81
05/09/2025 05:00	14.7	359292.7	36.10	2.23	8.01	1.76
05/09/2025 06:00	14.7	359338.2	36.05	2.21	7.35	1.77
05/09/2025 07:00	14.7	359616.9	36.27	2.20	7.91	1.79
05/09/2025 08:00	14.7	352887.0	36.31	2.19	10.59	1.83
05/09/2025 09:00	14.7	358612.9	36.56	2.12	8.35	1.83
05/09/2025 10:00	14.8	355987.4	36.47	2.11	7.20	1.74
05/09/2025 11:00	14.8	353521.3	36.97	2.04	6.86	1.74
05/09/2025 12:00	14.7	259607.3	39.23	1.93	6.78	1.73
05/09/2025 13:00	14.7	356189.4	39.11	1.93	7.06	1.75
05/09/2025 14:00	14.7	355697.3	39.31	1.97	7.06	1.72
05/09/2025 15:00	14.6	355870.8	33.73	1.95	6.53	1.66
05/09/2025 16:00	14.7	356630.3	36.95	1.92	6.74	1.70
05/09/2025 17:00	14.7	354232.4	37.53	1.94	7.61	1.76
05/09/2025 18:00	14.7	348782.5	34.57	1.97	7.67	1.74
05/09/2025 19:00	14.7	351504.6	34.19	2.00	8.91	1.72
05/09/2025 20:00	14.7	352326.6	34.64	2.08	10.24	1.74
05/09/2025 21:00	14.7	349607.3	33.65	2.10	10.66	1.77
05/09/2025 22:00	14.7	350668.3	34.00	2.08	8.39	1.70
05/09/2025 23:00	14.7	349496.4	34.54	2.17	6.65	1.66
06/09/2025 00:00	14.6	319929.7	31.47	2.19	16.86	1.72
06/09/2025 01:00	14.6	327921.3	29.76	2.18	9.99	1.83
06/09/2025 02:00	14.6	326888.8	29.48	2.21	10.28	1.85
06/09/2025 03:00	14.6	325404.0	28.92	2.25	10.35	1.83
06/09/2025 04:00	14.6	322969.1	28.66	2.20	9.45	1.85
06/09/2025 05:00	14.6	318531.8	28.64	2.18	12.34	1.87
06/09/2025 06:00	14.6	316580.9	28.94	2.16	9.81	1.91
06/09/2025 07:00	14.6	326686.8	29.51	2.15	8.17	1.87
06/09/2025 08:00	14.7	346020.5	34.74	2.13	7.81	1.80
06/09/2025 09:00	14.8	354252.3	35.69	2.10	7.71	1.74
06/09/2025 10:00	14.8	356143.9	36.96	2.04	7.62	1.72
06/09/2025 11:00	14.8	355998.8	37.74	1.97	7.24	1.74

Site Name: GULF_BL
Stack Name: HRS_G_STACK1
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
06/09/2025 12:00	14.7	259823.4	38.55	1.92	6.73	1.74
06/09/2025 13:00	14.7	354516.9	37.56	1.97	7.16	1.75
06/09/2025 14:00	14.7	355111.3	39.74	1.94	7.05	1.76
06/09/2025 15:00	14.7	356752.6	39.58	1.94	6.98	1.72
06/09/2025 16:00	14.7	355324.7	37.40	1.95	7.97	1.72
06/09/2025 17:00	14.7	350193.3	35.96	1.94	8.72	1.74
06/09/2025 18:00	14.7	347616.3	34.94	2.01	9.13	1.77
06/09/2025 19:00	14.7	351456.3	34.82	2.02	8.86	1.73
06/09/2025 20:00	14.7	349667.1	34.20	2.06	8.64	1.70
06/09/2025 21:00	14.7	344512.9	32.75	2.12	9.77	1.74
06/09/2025 22:00	14.7	345138.7	32.69	2.14	8.41	1.72
06/09/2025 23:00	14.7	343452.0	32.67	2.15	8.54	1.70
07/09/2025 00:00	14.6	316278.8	29.79	2.14	7.69	1.75
07/09/2025 01:00	14.6	323210.9	28.44	2.14	7.68	1.77
07/09/2025 02:00	14.6	323350.3	28.17	2.14	7.84	1.78
07/09/2025 03:00	14.6	320633.8	28.13	2.14	8.81	1.81
07/09/2025 04:00	14.6	318218.9	28.20	2.11	7.84	1.82
07/09/2025 05:00	14.6	311927.0	29.53	2.12	8.43	1.82
07/09/2025 06:00	14.5	305364.9	30.82	2.12	8.41	1.84
07/09/2025 07:00	14.5	299749.9	32.08	2.10	7.93	1.88
07/09/2025 08:00	14.6	294578.7	33.03	2.08	7.55	1.86
07/09/2025 09:00	14.6	292223.5	33.65	2.02	7.13	1.86
07/09/2025 10:00	14.6	289811.4	34.04	1.95	6.98	1.82
07/09/2025 11:00	14.6	287777.7	34.16	1.89	6.93	1.78
07/09/2025 12:00	14.6	288537.1	33.75	1.84	7.00	1.75
07/09/2025 13:00	14.5	297494.3	31.58	1.85	8.12	1.72
07/09/2025 14:00	14.5	299792.6	31.35	1.87	8.27	1.72
07/09/2025 15:00	14.5	300435.4	31.19	1.95	9.47	1.76
07/09/2025 16:00	14.5	299354.6	32.02	1.98	10.48	1.81
07/09/2025 17:00	14.7	268782.2	35.55	2.03	9.69	1.65
07/09/2025 18:00	14.5	324047.2	27.52	2.05	13.94	1.72
07/09/2025 19:00	14.6	326880.3	28.13	2.13	9.40	1.76
07/09/2025 20:00	14.6	327787.6	28.55	2.11	8.30	1.74
07/09/2025 21:00	14.6	328737.7	29.11	2.11	8.62	1.75
07/09/2025 22:00	14.6	328154.6	29.26	2.13	8.38	1.73
07/09/2025 23:00	14.6	309897.2	31.31	2.12	8.13	1.75
08/09/2025 00:00	14.5	305660.7	30.79	2.12	7.78	1.77
08/09/2025 01:00	14.5	305231.3	30.75	2.09	9.32	1.79
08/09/2025 02:00	14.5	303422.1	30.85	2.11	12.85	1.81
08/09/2025 03:00	14.5	302659.8	30.94	2.09	16.91	1.83
08/09/2025 04:00	14.5	302600.1	30.85	2.09	14.84	1.85
08/09/2025 05:00	14.5	299058.7	31.43	2.09	14.46	1.82
08/09/2025 06:00	14.5	302796.3	30.78	2.07	16.47	1.83
08/09/2025 07:00	14.6	324835.1	27.98	2.12	17.21	1.85
08/09/2025 08:00	14.7	316292.7	35.09	2.08	12.60	1.81
08/09/2025 09:00	14.7	355492.5	33.65	2.06	9.28	1.77
08/09/2025 10:00	14.7	354926.5	34.41	2.00	8.66	1.73
08/09/2025 11:00	14.8	352255.5	35.87	1.97	7.96	1.72
08/09/2025 12:00	14.7	260616.1	38.33	1.88	7.26	1.70
08/09/2025 13:00	14.7	357034.2	36.11	1.94	11.89	1.63
08/09/2025 14:00	14.7	353396.2	34.92	2.05	20.39	1.69
08/09/2025 15:00	14.6	349755.3	33.15	2.07	18.76	1.69
08/09/2025 16:00	14.7	351311.2	33.52	2.07	11.61	1.69
08/09/2025 17:00	14.7	350742.3	33.26	2.07	11.67	1.72
08/09/2025 18:00	14.7	347735.7	32.86	2.07	12.38	1.74
08/09/2025 19:00	14.7	350136.4	35.06	2.13	8.92	1.68
08/09/2025 20:00	14.7	351333.9	35.15	2.15	8.92	1.75
08/09/2025 21:00	14.7	346359.0	33.80	2.13	10.43	1.81
08/09/2025 22:00	14.7	347943.3	33.92	2.17	12.33	1.79
08/09/2025 23:00	14.7	347166.8	33.46	2.15	15.02	1.92
09/09/2025 00:00	14.6	319574.1	30.35	2.13	19.71	1.95
09/09/2025 01:00	14.6	330091.6	29.09	2.13	18.93	1.84
09/09/2025 02:00	14.6	329235.4	28.84	2.15	17.64	1.81
09/09/2025 03:00	14.6	326720.9	28.22	2.14	18.14	1.88
09/09/2025 04:00	14.6	326720.9	27.95	2.14	20.35	1.86
09/09/2025 05:00	14.6	321054.8	27.34	2.16	21.21	1.85

Site Name: GULF_BL
Stack Name: HRS_G_STACK1
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
09/09/2025 06:00	14.6	320460.3	27.25	2.11	20.95	1.85
09/09/2025 07:00	14.7	331374.5	28.71	2.14	16.46	1.82
09/09/2025 08:00	14.7	314923.8	34.22	2.11	10.46	1.73
09/09/2025 09:00	14.7	356274.7	33.17	2.04	8.83	1.71
09/09/2025 10:00	14.8	357196.3	37.14	2.05	7.63	1.71
09/09/2025 11:00	14.8	355862.3	39.33	1.98	6.69	1.68
09/09/2025 12:00	14.7	261261.0	39.74	1.91	6.26	1.67
09/09/2025 13:00	14.7	359204.5	35.22	1.93	6.82	1.59
09/09/2025 14:00	14.7	359659.6	37.12	1.98	7.61	1.66
09/09/2025 15:00	14.7	359525.9	41.77	1.96	7.00	1.67
09/09/2025 16:00	14.8	358538.9	41.56	1.97	6.97	1.68
09/09/2025 17:00	14.8	356306.0	39.21	2.01	7.29	1.65
09/09/2025 18:00	14.7	350531.8	36.10	2.02	8.65	1.61
09/09/2025 19:00	14.7	352215.7	35.87	2.09	11.08	1.59
09/09/2025 20:00	14.7	349662.9	35.43	2.18	10.06	1.59
09/09/2025 21:00	14.7	345875.4	34.22	2.16	9.63	1.62
09/09/2025 22:00	14.7	347567.9	34.23	2.16	12.15	1.71
09/09/2025 23:00	14.7	346083.1	33.86	2.18	16.86	1.71
10/09/2025 00:00	14.7	320118.8	31.32	2.14	13.37	1.76
10/09/2025 01:00	14.7	330808.4	30.00	2.16	19.24	2.02
10/09/2025 02:00	14.6	330893.8	29.73	2.15	21.80	1.93
10/09/2025 03:00	14.6	327269.9	29.00	2.15	21.71	1.95
10/09/2025 04:00	14.6	326160.6	28.69	2.19	20.23	1.73
10/09/2025 05:00	14.6	320778.9	28.57	2.18	18.60	1.74
10/09/2025 06:00	14.6	320892.7	28.53	2.17	19.42	1.72
10/09/2025 07:00	14.7	330671.9	29.29	2.16	18.90	1.78
10/09/2025 08:00	14.7	348734.1	33.68	2.13	15.52	1.77
10/09/2025 09:00	14.8	355461.2	35.36	2.08	10.91	1.77
10/09/2025 10:00	14.8	355697.3	35.96	1.97	9.46	1.72
10/09/2025 11:00	14.8	354078.8	36.57	1.95	9.15	1.70
10/09/2025 12:00	14.7	262195.5	39.85	1.90	8.71	1.71
10/09/2025 13:00	14.8	359909.9	38.13	1.91	8.92	1.71
10/09/2025 14:00	14.8	359995.3	38.13	1.93	8.74	1.70
10/09/2025 15:00	14.8	357207.7	37.09	1.97	8.77	1.70
10/09/2025 16:00	14.8	357654.3	37.52	1.94	8.48	1.70
10/09/2025 17:00	14.7	356047.2	37.30	1.96	8.51	1.71
10/09/2025 18:00	14.7	353780.2	36.58	2.01	8.91	1.74
10/09/2025 19:00	14.8	355353.1	37.27	2.06	7.91	1.79
10/09/2025 20:00	14.8	354750.1	36.71	2.06	7.96	1.90
10/09/2025 21:00	14.8	348572.0	35.37	2.08	8.27	1.90
10/09/2025 22:00	14.7	349647.2	35.02	2.08	9.61	1.87
10/09/2025 23:00	14.7	348691.4	34.20	2.12	10.45	1.89
11/09/2025 00:00	14.7	323441.0	31.62	2.08	9.25	1.85
11/09/2025 01:00	14.7	333738.2	31.44	2.12	8.27	1.61
11/09/2025 02:00	14.6	332114.0	31.53	2.15	10.17	1.60
11/09/2025 03:00	14.6	324866.4	31.03	2.15	9.36	1.62
11/09/2025 04:00	14.6	323626.2	30.34	2.19	11.07	1.66
11/09/2025 05:00	14.6	318076.7	31.13	2.20	10.97	1.76
11/09/2025 06:00	14.6	316310.3	31.43	2.20	15.16	1.78
11/09/2025 07:00	14.6	324476.7	30.53	2.20	13.12	1.78
11/09/2025 08:00	14.7	312199.0	37.46	2.19	8.73	1.67
11/09/2025 09:00	14.8	353547.2	36.57	2.16	7.97	1.66
11/09/2025 10:00	14.8	353967.9	37.35	2.10	7.54	1.60
11/09/2025 11:00	14.8	352949.6	37.67	2.03	6.61	1.60
11/09/2025 12:00	14.8	259653.0	40.68	1.95	6.20	1.61
11/09/2025 13:00	14.8	355398.6	39.71	1.99	6.85	1.63
11/09/2025 14:00	14.7	354545.3	38.83	1.99	6.76	1.63
11/09/2025 15:00	14.7	352466.0	34.38	2.00	6.67	1.58
11/09/2025 16:00	14.7	355768.4	40.85	1.98	6.66	1.66
11/09/2025 17:00	14.8	356064.3	40.14	2.00	7.10	1.66
11/09/2025 18:00	14.8	355165.4	38.86	2.02	7.04	1.66
11/09/2025 19:00	14.8	358026.9	39.47	2.09	7.03	1.71
11/09/2025 20:00	14.8	356374.3	37.98	2.11	7.65	1.84
11/09/2025 21:00	14.8	347613.4	34.54	2.10	8.43	1.83
11/09/2025 22:00	14.8	350059.6	34.98	2.13	7.83	1.83
11/09/2025 23:00	14.8	347784.1	35.29	2.15	8.22	1.63

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
12/09/2025 00:00	14.7	321070.1	32.55	2.13	7.87	1.64
12/09/2025 01:00	14.7	331053.0	31.40	2.15	7.32	1.70
12/09/2025 02:00	14.7	331741.4	30.46	2.19	7.81	1.74
12/09/2025 03:00	14.7	329952.3	29.98	2.18	7.70	1.69
12/09/2025 04:00	14.7	330066.0	29.89	2.18	7.96	1.71
12/09/2025 05:00	14.6	323478.3	28.97	2.19	7.56	1.77
12/09/2025 06:00	14.6	321151.5	28.55	2.17	8.14	1.75
12/09/2025 07:00	14.7	320773.2	30.22	2.14	7.90	1.73
12/09/2025 08:00	14.7	313212.0	36.11	2.13	6.98	1.71
12/09/2025 09:00	14.7	356596.2	34.41	2.14	7.45	1.62
12/09/2025 10:00	14.8	358021.2	38.28	2.10	8.06	1.62
12/09/2025 11:00	14.8	355520.9	38.69	2.05	7.21	1.64
12/09/2025 12:00	14.7	260076.9	39.05	2.02	6.34	1.64
12/09/2025 13:00	14.7	357261.8	33.55	2.03	6.48	1.56
12/09/2025 14:00	14.7	358695.3	33.99	2.03	6.48	1.58
12/09/2025 15:00	14.7	355782.6	34.73	1.99	6.23	1.59
12/09/2025 16:00	14.7	353296.6	37.03	2.07	7.19	1.66
12/09/2025 17:00	14.8	350901.6	37.47	2.10	8.48	1.72
12/09/2025 18:00	14.7	348355.8	35.81	2.12	8.10	1.74
12/09/2025 19:00	14.7	350961.3	35.21	2.16	8.20	1.78
12/09/2025 20:00	14.8	353023.5	35.64	2.19	10.94	1.79
12/09/2025 21:00	14.7	348372.9	34.10	2.19	16.38	1.67
12/09/2025 22:00	14.7	349888.9	34.39	2.21	10.67	1.62
12/09/2025 23:00	14.7	349106.7	34.00	2.21	8.83	1.64
13/09/2025 00:00	14.7	323152.2	31.22	2.26	8.83	1.79
13/09/2025 01:00	14.7	332981.6	30.52	2.23	10.89	1.63
13/09/2025 02:00	14.7	330947.8	30.14	2.22	13.54	1.67
13/09/2025 03:00	14.6	329573.9	29.80	2.24	11.31	1.73
13/09/2025 04:00	14.6	328473.1	29.68	2.24	10.26	1.73
13/09/2025 05:00	14.6	322883.8	28.37	2.23	9.64	1.79
13/09/2025 06:00	14.6	320662.3	28.09	2.23	9.73	1.85
13/09/2025 07:00	14.6	323606.3	30.02	2.24	8.79	1.89
13/09/2025 08:00	14.7	315427.9	35.70	2.25	8.08	1.82
13/09/2025 09:00	14.7	355481.1	34.25	2.19	7.63	1.67
13/09/2025 10:00	14.8	355899.3	37.26	2.14	7.53	1.66
13/09/2025 11:00	14.8	353518.5	37.35	2.11	7.07	1.68
13/09/2025 12:00	14.7	259654.1	37.95	2.09	6.87	1.68
13/09/2025 13:00	14.7	354929.3	36.73	2.06	7.23	1.63
13/09/2025 14:00	14.7	357788.0	36.34	2.03	6.93	1.61
13/09/2025 15:00	14.7	356013.0	34.28	2.01	7.02	1.61
13/09/2025 16:00	14.7	355501.0	36.65	2.05	7.23	1.67
13/09/2025 17:00	14.7	348992.9	35.84	2.09	7.79	1.66
13/09/2025 18:00	14.7	347181.0	35.27	2.09	9.00	1.73
13/09/2025 19:00	14.8	352141.8	35.80	2.15	9.56	1.81
13/09/2025 20:00	14.8	352084.9	35.50	2.20	9.80	1.83
13/09/2025 21:00	14.8	348597.6	33.79	2.17	10.69	1.81
13/09/2025 22:00	14.8	348287.5	33.27	2.15	11.71	1.81
13/09/2025 23:00	14.8	347656.1	33.61	2.19	10.98	1.74
14/09/2025 00:00	14.7	320105.9	30.91	2.17	11.39	1.77
14/09/2025 01:00	14.7	328885.6	28.87	2.16	12.76	1.85
14/09/2025 02:00	14.7	328444.7	29.16	2.21	10.80	1.80
14/09/2025 03:00	14.6	325884.7	28.44	2.19	8.80	1.84
14/09/2025 04:00	14.6	325773.8	27.98	2.24	10.29	1.86
14/09/2025 05:00	14.6	317763.8	27.54	2.21	12.71	1.92
14/09/2025 06:00	14.6	314649.1	27.73	2.27	13.53	1.91
14/09/2025 07:00	14.6	314413.0	27.95	2.18	11.30	1.89
14/09/2025 08:00	14.6	313067.6	29.06	2.17	10.98	1.81
14/09/2025 09:00	14.6	310055.3	29.22	2.12	8.37	1.84
14/09/2025 10:00	14.6	303405.0	30.48	2.06	7.24	1.84
14/09/2025 11:00	14.7	315593.5	28.78	2.02	6.81	1.73
14/09/2025 12:00	14.6	310658.4	29.57	2.03	7.69	1.72
14/09/2025 13:00	14.6	313659.3	28.79	2.03	8.07	1.70
14/09/2025 14:00	14.6	317573.2	27.95	2.03	7.58	1.72
14/09/2025 15:00	14.6	313451.6	28.37	2.09	8.06	1.76
14/09/2025 16:00	14.6	311651.1	28.83	2.04	8.43	1.78
14/09/2025 17:00	14.7	278809.0	33.86	2.09	9.20	1.69

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
14/09/2025 18:00	14.6	333877.6	29.66	2.11	9.64	1.73
14/09/2025 19:00	14.7	338721.7	30.79	2.14	11.74	1.72
14/09/2025 20:00	14.7	340718.5	31.97	2.17	10.99	1.70
14/09/2025 21:00	14.7	342166.3	31.95	2.20	11.65	1.80
14/09/2025 22:00	14.7	341193.5	31.05	2.24	13.79	1.82
14/09/2025 23:00	14.7	321243.6	31.12	2.23	12.25	1.90
15/09/2025 00:00	14.6	317704.1	27.67	2.21	15.64	2.32
15/09/2025 01:00	14.6	318043.4	27.32	2.14	19.72	2.00
15/09/2025 02:00	14.6	316984.4	28.09	2.16	16.72	1.83
15/09/2025 03:00	14.6	311508.9	29.56	2.16	14.56	1.80
15/09/2025 04:00	14.6	311147.6	29.86	2.15	13.59	1.80
15/09/2025 05:00	14.6	306602.2	31.53	2.13	9.11	1.76
15/09/2025 06:00	14.6	308837.9	31.57	2.16	9.93	1.74
15/09/2025 07:00	14.7	326547.4	29.79	2.23	9.55	1.74
15/09/2025 08:00	14.8	317580.7	37.45	2.25	9.08	1.64
15/09/2025 09:00	14.8	359215.9	37.33	2.29	8.29	1.72
15/09/2025 10:00	14.8	353290.9	36.34	2.34	7.72	1.69
15/09/2025 11:00	14.8	354110.1	37.09	2.35	7.17	1.67
15/09/2025 12:00	14.8	261256.8	38.95	2.27	7.42	1.66
15/09/2025 13:00	14.8	356109.8	38.78	2.26	7.81	1.62
15/09/2025 14:00	14.8	359540.2	39.54	2.28	8.04	1.66
15/09/2025 15:00	14.8	358445.0	37.62	2.29	8.04	1.63
15/09/2025 16:00	14.9	356820.9	38.36	2.26	7.62	1.70
15/09/2025 17:00	14.9	353225.5	37.23	2.21	7.56	1.77
15/09/2025 18:00	14.9	350932.9	36.55	2.29	7.71	1.73
15/09/2025 19:00	14.9	353424.6	35.70	2.29	9.06	1.67
15/09/2025 20:00	14.9	353606.6	33.51	2.30	9.77	1.65
15/09/2025 21:00	14.9	349459.4	30.30	2.29	9.18	1.64
15/09/2025 22:00	14.9	350696.8	29.58	2.29	9.54	1.55
15/09/2025 23:00	14.9	348967.3	29.84	2.30	9.89	1.46
16/09/2025 00:00	14.9	321865.3	27.75	2.27	11.63	1.47
16/09/2025 01:00	14.9	333840.6	26.30	2.28	11.94	1.38
16/09/2025 02:00	14.9	332034.4	24.61	2.27	13.10	1.29
16/09/2025 03:00	14.8	328163.1	22.54	2.26	12.64	1.14
16/09/2025 04:00	14.8	325017.1	20.55	2.26	19.57	1.07
16/09/2025 05:00	14.8	313784.4	22.58	2.24	16.48	1.13
16/09/2025 06:00	14.8	317695.5	18.02	2.25	18.93	0.89
16/09/2025 07:00	14.8	327969.7	19.50	2.27	13.81	1.03
16/09/2025 08:00	15.0	314751.8	27.05	2.31	10.26	0.98
16/09/2025 09:00	15.0	354314.9	26.06	2.32	9.32	0.94
16/09/2025 10:00	15.0	352722.0	25.66	2.33	8.63	0.92
16/09/2025 11:00	15.0	351399.3	26.48	2.33	8.29	0.99
16/09/2025 12:00	15.0	280362.8	28.36	2.32	7.14	0.87
16/09/2025 13:00	15.0	354297.7	Calibtrate	Calibtrate	7.65	Calibtrate
16/09/2025 14:00	14.9	355125.6	41.54	0.65	8.13	0.46
16/09/2025 15:00	14.9	355518.1	38.00	2.07	7.85	0.30
16/09/2025 16:00	14.9	357042.7	39.28	0.74	8.65	0.40
16/09/2025 17:00	15.0	356718.5	40.67	0.42	9.14	0.47
16/09/2025 18:00	15.0	353805.8	38.09	0.89	8.44	0.42
16/09/2025 19:00	15.0	357301.6	35.88	2.07	8.01	0.49
16/09/2025 20:00	15.0	354752.9	38.47	0.05	8.47	0.70
16/09/2025 21:00	15.0	348617.5	37.12	0.77	9.62	0.58
16/09/2025 22:00	15.0	349530.6	38.22	0.00	8.95	0.77
16/09/2025 23:00	14.9	350116.5	33.40	1.47	8.09	0.61
17/09/2025 00:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17/09/2025 01:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17/09/2025 02:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17/09/2025 03:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17/09/2025 04:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17/09/2025 05:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17/09/2025 06:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17/09/2025 07:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
17/09/2025 08:00	15.0	304747.7	39.35	2.63	7.76	2.23
17/09/2025 09:00	14.9	360854.3	38.56	0.12	7.26	1.02
17/09/2025 10:00	15.2	361116.0	36.24	0.00	7.61	0.15
17/09/2025 11:00	15.1	357193.5	41.53	0.00	7.78	0.00

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
17/09/2025 12:00	15.0	260280.2	37.11	0.00	7.04	0.00
17/09/2025 13:00	Caliblate	355000.4	Caliblate	Caliblate	Caliblate	Caliblate
17/09/2025 14:00	Caliblate	357216.3	Caliblate	Caliblate	Caliblate	Caliblate
17/09/2025 15:00	Caliblate	356072.8	Caliblate	Caliblate	Caliblate	Caliblate
17/09/2025 16:00	14.8	356709.9	43.04	0.23	7.13	1.57
17/09/2025 17:00	14.8	357716.9	41.65	0.62	6.97	1.62
17/09/2025 18:00	14.9	357657.1	45.39	1.43	7.41	1.73
17/09/2025 19:00	14.9	356394.2	44.17	1.13	8.84	1.62
17/09/2025 20:00	14.9	355071.5	41.93	1.06	9.98	1.61
17/09/2025 21:00	14.9	349493.6	39.15	0.94	11.41	1.66
17/09/2025 22:00	14.9	350236.0	39.53	0.81	8.73	1.66
17/09/2025 23:00	14.9	348199.3	38.57	0.64	9.11	1.66
18/09/2025 00:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18/09/2025 01:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18/09/2025 02:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18/09/2025 03:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18/09/2025 04:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18/09/2025 05:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18/09/2025 06:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18/09/2025 07:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
18/09/2025 08:00	14.9	307016.6	48.55	0.02	8.68	2.69
18/09/2025 09:00	14.9	358410.9	42.91	0.00	7.65	2.07
18/09/2025 10:00	15.0	356408.4	44.74	0.00	7.65	1.97
18/09/2025 11:00	14.9	352662.3	43.56	0.00	7.29	1.82
18/09/2025 12:00	14.9	258822.2	44.32	0.00	6.72	1.73
18/09/2025 13:00	14.8	352221.4	36.18	0.00	7.33	1.56
18/09/2025 14:00	14.7	351080.8	34.91	0.02	7.31	1.53
18/09/2025 15:00	14.8	353646.5	39.55	0.05	7.46	1.53
18/09/2025 16:00	14.8	355074.4	41.54	0.16	7.64	1.53
18/09/2025 17:00	14.9	355703.0	39.80	0.30	7.82	1.46
18/09/2025 18:00	14.9	354923.6	38.53	0.58	7.86	1.46
18/09/2025 19:00	14.9	355080.1	37.34	0.65	7.93	1.45
18/09/2025 20:00	14.9	355381.6	36.33	0.76	8.55	1.34
18/09/2025 21:00	14.9	349977.1	34.44	0.90	9.01	1.36
18/09/2025 22:00	14.9	349755.3	34.47	0.99	8.22	1.36
18/09/2025 23:00	14.9	348921.8	33.61	1.06	8.11	1.33
19/09/2025 00:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19/09/2025 01:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19/09/2025 02:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19/09/2025 03:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19/09/2025 04:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19/09/2025 05:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19/09/2025 06:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19/09/2025 07:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
19/09/2025 08:00	14.9	303042.6	43.61	1.09	15.88	2.39
19/09/2025 09:00	14.9	358146.4	34.90	0.87	11.49	1.91
19/09/2025 10:00	14.9	356527.9	34.57	0.78	9.60	1.73
19/09/2025 11:00	14.9	353888.3	35.99	0.86	8.51	1.62
19/09/2025 12:00	14.9	261055.8	38.09	0.60	7.49	1.52
19/09/2025 13:00	14.8	356257.7	32.35	0.57	7.50	1.37
19/09/2025 14:00	14.9	355128.4	37.03	0.85	7.46	1.31
19/09/2025 15:00	14.8	356954.6	32.25	0.91	6.86	1.20
19/09/2025 16:00	14.8	356132.5	32.38	1.28	7.26	1.21
19/09/2025 17:00	14.9	352099.1	33.77	1.03	7.28	1.24
19/09/2025 18:00	14.9	349189.2	32.79	1.10	7.26	1.26
19/09/2025 19:00	14.8	352847.2	32.78	1.15	8.05	1.22
19/09/2025 20:00	14.9	354494.1	33.53	1.15	9.04	1.17
19/09/2025 21:00	14.8	350298.6	31.38	1.17	9.91	1.17
19/09/2025 22:00	14.8	351675.3	30.80	1.14	10.92	1.14
19/09/2025 23:00	14.8	349692.7	29.49	1.28	11.75	1.16
20/09/2025 00:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20/09/2025 01:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20/09/2025 02:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20/09/2025 03:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20/09/2025 04:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20/09/2025 05:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
20/09/2025 06:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20/09/2025 07:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
20/09/2025 08:00	15.0	298101.7	45.99	0.94	12.13	2.50
20/09/2025 09:00	14.9	361249.7	38.01	0.72	9.19	1.76
20/09/2025 10:00	14.9	356923.3	37.92	0.56	7.77	1.49
20/09/2025 11:00	14.9	351934.1	35.37	0.51	8.36	1.36
20/09/2025 12:00	14.9	260502.6	37.43	0.28	7.86	1.26
20/09/2025 13:00	14.8	351265.7	32.08	0.34	7.27	1.18
20/09/2025 14:00	14.7	351339.6	29.44	0.34	7.19	1.10
20/09/2025 15:00	14.8	353145.8	33.73	0.52	7.21	1.14
20/09/2025 16:00	14.8	353731.8	32.78	0.39	7.08	1.12
20/09/2025 17:00	14.9	351666.7	34.91	0.23	7.25	1.15
20/09/2025 18:00	14.9	350429.4	33.21	0.46	7.46	1.10
20/09/2025 19:00	14.9	352477.4	32.86	0.60	7.69	1.10
20/09/2025 20:00	14.9	353581.0	32.98	0.51	7.78	1.15
20/09/2025 21:00	14.8	349388.3	31.26	0.46	8.51	1.19
20/09/2025 22:00	14.8	348162.4	30.39	0.41	9.59	1.19
20/09/2025 23:00	14.8	347542.3	29.95	0.69	8.86	1.05
21/09/2025 00:00	14.8	320991.8	27.69	0.59	8.55	1.11
21/09/2025 01:00	14.8	330799.9	26.30	0.66	8.14	1.13
21/09/2025 02:00	14.8	329679.2	26.53	0.48	7.74	1.18
21/09/2025 03:00	14.8	328251.3	25.59	0.81	7.91	1.15
21/09/2025 04:00	14.7	324755.4	25.39	0.70	7.45	1.20
21/09/2025 05:00	14.7	314556.9	26.20	0.56	7.44	1.24
21/09/2025 06:00	14.7	308892.0	27.13	0.56	7.32	1.32
21/09/2025 07:00	14.7	301741.0	28.76	0.47	7.02	1.30
21/09/2025 08:00	14.7	294803.4	30.57	0.47	6.70	1.24
21/09/2025 09:00	14.7	289433.1	32.13	0.34	6.31	1.19
21/09/2025 10:00	14.7	289893.9	31.88	0.14	6.33	1.15
21/09/2025 11:00	14.7	285553.3	32.36	0.18	6.40	1.15
21/09/2025 12:00	14.7	291373.0	30.49	0.13	6.18	1.14
21/09/2025 13:00	14.7	293617.3	29.48	0.22	6.26	1.14
21/09/2025 14:00	14.7	293859.1	28.94	0.22	6.47	1.14
21/09/2025 15:00	14.7	297246.8	28.38	0.22	6.43	1.12
21/09/2025 16:00	14.7	302455.0	25.86	0.58	6.61	1.07
21/09/2025 17:00	14.7	303049.5	26.92	0.29	6.51	1.12
21/09/2025 18:00	14.8	363923.4	33.15	0.36	7.32	0.98
21/09/2025 19:00	14.8	360248.4	32.12	0.45	7.47	1.02
21/09/2025 20:00	14.7	331752.8	23.22	0.54	7.88	1.04
21/09/2025 21:00	14.8	333672.8	25.18	0.32	8.23	1.09
21/09/2025 22:00	14.8	331590.6	25.45	0.41	7.67	1.19
21/09/2025 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22/09/2025 00:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22/09/2025 01:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22/09/2025 02:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22/09/2025 03:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22/09/2025 04:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22/09/2025 05:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22/09/2025 06:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22/09/2025 07:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
22/09/2025 08:00	14.9	304680.9	44.38	0.00	6.95	1.98
22/09/2025 09:00	14.9	357776.6	37.25	0.00	6.69	1.47
22/09/2025 10:00	15.0	356960.3	39.61	0.00	6.87	1.32
22/09/2025 11:00	15.0	355321.8	38.75	0.00	6.70	1.20
22/09/2025 12:00	14.9	259364.2	38.78	0.00	6.39	1.16
22/09/2025 13:00	14.9	355028.9	36.96	0.00	6.86	1.10
22/09/2025 14:00	14.9	356843.6	37.23	0.00	6.82	1.06
22/09/2025 15:00	14.9	356855.0	38.19	0.00	6.86	1.04
22/09/2025 16:00	14.9	357278.8	36.64	0.00	6.74	1.01
22/09/2025 17:00	14.8	351848.8	30.89	0.07	8.09	0.93
22/09/2025 18:00	14.8	349988.5	29.87	0.23	8.44	0.96
22/09/2025 19:00	14.8	355648.9	31.91	0.09	8.40	1.01
22/09/2025 20:00	14.9	355199.5	31.74	0.12	9.62	0.97
22/09/2025 21:00	14.9	350554.6	30.75	0.14	8.10	0.99
22/09/2025 22:00	14.9	350361.1	31.49	0.09	8.47	0.97
22/09/2025 23:00	14.9	348992.9	31.26	0.05	8.85	0.99

Site Name:
Stack Name:
Periodically:

GULF_BL
HRSG_STACK1
01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
23/09/2025 00:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23/09/2025 01:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23/09/2025 02:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23/09/2025 03:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23/09/2025 04:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23/09/2025 05:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23/09/2025 06:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23/09/2025 07:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
23/09/2025 08:00	14.9	308887.0	42.23	0.00	9.70	2.10
23/09/2025 09:00	14.9	363408.6	38.68	0.00	8.25	1.58
23/09/2025 10:00	14.9	351877.2	34.72	0.00	7.84	1.39
23/09/2025 11:00	14.9	353760.3	35.92	0.00	7.86	1.25
23/09/2025 12:00	14.9	259972.9	37.60	0.00	7.10	1.13
23/09/2025 13:00	14.9	354263.7	36.25	0.00	7.44	1.06
23/09/2025 14:00	14.8	356061.4	35.87	0.00	7.31	1.00
23/09/2025 15:00	14.8	353413.2	29.00	0.02	7.09	0.86
23/09/2025 16:00	14.8	356419.8	37.16	0.00	7.32	0.96
23/09/2025 17:00	14.9	357119.5	35.59	0.00	7.95	0.90
23/09/2025 18:00	14.9	354417.3	34.35	0.00	8.18	0.90
23/09/2025 19:00	14.9	356772.5	34.93	0.00	8.64	0.90
23/09/2025 20:00	14.9	355330.4	34.03	0.02	8.82	0.88
23/09/2025 21:00	14.9	348335.9	32.39	0.00	8.39	0.90
23/09/2025 22:00	14.9	348822.3	31.30	0.09	8.12	0.87
23/09/2025 23:00	14.9	348395.6	31.75	0.00	7.56	0.94
24/09/2025 00:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24/09/2025 01:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24/09/2025 02:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24/09/2025 03:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24/09/2025 04:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24/09/2025 05:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24/09/2025 06:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24/09/2025 07:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
24/09/2025 08:00	15.0	299185.4	46.94	0.00	7.35	1.71
24/09/2025 09:00	14.9	358746.6	37.57	0.00	7.18	1.32
24/09/2025 10:00	14.9	358368.3	40.68	0.00	7.01	1.18
24/09/2025 11:00	14.9	355714.4	39.32	0.00	6.75	1.04
24/09/2025 12:00	14.8	259495.0	37.01	0.00	6.49	0.96
24/09/2025 13:00	14.8	353481.5	33.58	0.00	6.96	0.93
24/09/2025 14:00	14.8	355674.6	37.17	0.00	6.98	0.91
24/09/2025 15:00	14.8	354878.1	34.16	0.00	6.90	0.84
24/09/2025 16:00	14.8	356800.9	33.41	0.00	6.84	0.86
24/09/2025 17:00	14.9	357765.2	37.63	0.00	7.08	0.92
24/09/2025 18:00	14.9	355034.6	35.29	0.00	7.22	0.83
24/09/2025 19:00	14.9	357176.4	35.77	0.00	8.13	0.83
24/09/2025 20:00	14.9	355967.5	35.14	0.00	7.46	0.88
24/09/2025 21:00	14.9	349564.7	31.98	0.02	7.47	0.92
24/09/2025 22:00	14.9	350546.0	32.43	0.00	7.43	0.92
24/09/2025 23:00	14.9	349772.3	32.54	0.00	7.57	0.94
25/09/2025 00:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25/09/2025 01:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25/09/2025 02:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25/09/2025 03:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25/09/2025 04:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25/09/2025 05:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25/09/2025 06:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25/09/2025 07:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
25/09/2025 08:00	14.9	307141.5	44.65	0.00	7.45	1.81
25/09/2025 09:00	15.0	359742.1	39.34	0.00	7.36	1.31
25/09/2025 10:00	14.9	354775.7	38.29	0.63	6.97	1.00
25/09/2025 11:00	14.9	351581.4	39.17	1.16	6.78	0.91
25/09/2025 12:00	14.8	259099.5	39.45	1.12	6.26	0.87
25/09/2025 13:00	14.9	354929.3	37.75	1.45	6.78	0.85
25/09/2025 14:00	14.8	354130.0	31.08	1.27	6.71	0.77
25/09/2025 15:00	14.7	354872.4	30.46	1.33	6.68	0.74
25/09/2025 16:00	14.8	357708.3	34.26	1.34	6.69	0.80
25/09/2025 17:00	14.8	355532.3	31.84	1.51	6.71	0.80

Site Name:
Stack Name:
Periodically:

GULF_BL
HRSG_STACK1
01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
25/09/2025 18:00	14.9	355287.7	34.83	1.60	6.94	0.83
25/09/2025 19:00	14.9	357230.5	33.67	1.56	7.23	0.87
25/09/2025 20:00	14.9	356112.6	32.99	1.64	7.47	0.90
25/09/2025 21:00	14.9	352454.6	31.95	1.71	7.88	0.90
25/09/2025 22:00	14.9	352161.7	31.90	1.68	7.49	0.92
25/09/2025 23:00	14.9	350836.2	32.35	1.57	7.23	0.88
26/09/2025 00:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26/09/2025 01:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26/09/2025 02:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26/09/2025 03:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26/09/2025 04:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26/09/2025 05:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26/09/2025 06:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26/09/2025 07:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
26/09/2025 08:00	14.9	305362.3	43.86	1.56	7.48	1.84
26/09/2025 09:00	14.9	356234.9	35.99	1.65	6.92	1.23
26/09/2025 10:00	15.0	355620.5	37.79	1.76	6.77	1.03
26/09/2025 11:00	15.0	352571.3	37.61	1.21	6.89	1.03
26/09/2025 12:00	14.9	257685.4	38.02	1.23	6.27	0.95
26/09/2025 13:00	14.8	350469.2	30.04	1.42	6.77	0.82
26/09/2025 14:00	14.9	355296.3	36.27	1.39	6.70	0.83
26/09/2025 15:00	14.9	353327.9	35.85	1.51	7.01	0.79
26/09/2025 16:00	14.9	331448.4	31.52	1.26	7.01	0.83
26/09/2025 17:00	14.9	342484.9	32.31	1.50	7.19	0.79
26/09/2025 18:00	14.9	341293.0	31.17	1.52	7.33	0.81
26/09/2025 19:00	14.9	345471.5	31.66	1.80	7.92	0.76
26/09/2025 20:00	14.9	350423.7	32.81	1.72	8.01	0.84
26/09/2025 21:00	14.9	346390.3	31.46	1.55	8.11	0.83
26/09/2025 22:00	14.9	346780.0	30.06	1.78	7.48	0.88
26/09/2025 23:00	14.9	345943.7	29.30	1.89	7.20	0.97
27/09/2025 00:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27/09/2025 01:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27/09/2025 02:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27/09/2025 03:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27/09/2025 04:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27/09/2025 05:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27/09/2025 06:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27/09/2025 07:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
27/09/2025 08:00	14.9	308208.7	42.23	1.93	12.41	1.90
27/09/2025 09:00	14.9	356217.8	34.87	1.92	9.71	1.20
27/09/2025 10:00	14.9	351439.2	31.91	2.26	8.04	1.06
27/09/2025 11:00	14.9	352628.2	32.90	1.64	8.54	1.02
27/09/2025 12:00	14.8	280670.1	35.01	1.53	8.75	0.98
27/09/2025 13:00	14.9	350617.1	31.52	1.61	12.15	0.87
27/09/2025 14:00	14.9	351324.1	32.33	1.61	8.98	0.78
27/09/2025 15:00	14.8	349504.9	32.46	1.60	14.65	0.73
27/09/2025 16:00	14.8	349189.2	33.09	1.72	10.10	0.69
27/09/2025 17:00	14.8	346432.9	31.62	1.74	8.87	0.75
27/09/2025 18:00	14.8	342163.4	29.72	1.71	10.95	0.75
27/09/2025 19:00	14.8	347016.1	29.75	1.99	8.63	0.78
27/09/2025 20:00	14.8	347775.5	29.43	2.13	8.65	0.85
27/09/2025 21:00	14.8	346350.5	29.29	2.04	8.56	0.76
27/09/2025 22:00	14.8	345372.0	29.22	1.88	10.10	0.76
27/09/2025 23:00	14.8	343269.9	28.30	2.19	11.80	0.71
28/09/2025 00:00	14.8	338263.2	32.08	2.15	8.94	0.69
28/09/2025 01:00	14.8	354050.4	30.01	2.19	9.07	0.66
28/09/2025 02:00	14.8	354323.4	30.01	2.37	12.81	0.71
28/09/2025 03:00	14.8	354462.8	30.19	2.44	12.51	0.73
28/09/2025 04:00	14.8	355609.1	30.17	2.32	11.83	0.73
28/09/2025 05:00	14.8	355660.3	29.65	2.57	11.23	0.77
28/09/2025 06:00	14.8	355560.8	29.74	2.39	13.44	0.80
28/09/2025 07:00	14.8	356343.0	29.74	2.45	10.54	0.78
28/09/2025 08:00	14.8	356416.9	30.16	2.36	9.73	0.82
28/09/2025 09:00	14.9	357307.3	30.97	2.27	9.63	0.85
28/09/2025 10:00	14.9	357933.0	32.01	2.09	9.04	0.81
28/09/2025 11:00	14.9	357935.9	33.54	1.75	8.30	0.81

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
28/09/2025 12:00	14.8	358103.7	34.89	1.70	8.17	0.76
28/09/2025 13:00	14.8	357463.7	34.99	1.85	8.74	0.75
28/09/2025 14:00	14.7	357972.9	29.45	2.01	8.33	0.65
28/09/2025 15:00	14.7	358584.4	28.77	2.13	8.56	0.65
28/09/2025 16:00	14.7	354349.0	31.55	1.95	8.76	0.72
28/09/2025 17:00	14.7	273132.7	28.60	1.85	8.54	0.69
28/09/2025 18:00	14.7	331553.7	24.61	2.09	9.48	0.79
28/09/2025 19:00	14.8	336648.1	25.97	2.13	9.35	0.84
28/09/2025 20:00	14.8	338451.4	26.33	2.06	9.85	0.91
28/09/2025 21:00	14.8	338878.1	26.37	2.25	9.11	0.95
28/09/2025 22:00	14.8	338997.6	25.94	2.02	8.30	1.02
28/09/2025 23:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29/09/2025 00:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29/09/2025 01:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29/09/2025 02:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29/09/2025 03:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29/09/2025 04:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29/09/2025 05:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29/09/2025 06:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29/09/2025 07:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
29/09/2025 08:00	15.0	297071.8	47.73	1.71	9.18	1.71
29/09/2025 09:00	14.9	359830.3	37.28	2.16	8.49	1.04
29/09/2025 10:00	14.8	356547.6	46.80	2.85	7.68	3.37
29/09/2025 11:00	14.9	354149.9	47.28	2.07	7.58	0.67
29/09/2025 12:00	14.8	257782.2	46.34	1.81	7.18	0.66
29/09/2025 13:00	14.8	352096.3	44.16	1.80	7.47	0.88
29/09/2025 14:00	14.8	351601.3	44.17	1.86	7.24	0.70
29/09/2025 15:00	14.7	351035.3	38.80	1.80	6.97	0.63
29/09/2025 16:00	14.7	355065.8	37.58	1.62	7.03	0.65
29/09/2025 17:00	14.8	355691.6	42.11	1.57	7.67	0.66
29/09/2025 18:00	14.8	352010.9	39.25	2.10	8.09	0.64
29/09/2025 19:00	14.8	353680.6	40.17	2.04	8.15	0.62
29/09/2025 20:00	14.8	353561.1	40.05	2.11	8.26	0.60
29/09/2025 21:00	14.8	347812.5	39.61	1.93	8.14	0.60
29/09/2025 22:00	14.9	349436.7	40.76	1.84	8.28	0.64
29/09/2025 23:00	14.9	347417.1	40.67	1.91	8.41	0.62
30/09/2025 00:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30/09/2025 01:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30/09/2025 02:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30/09/2025 03:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30/09/2025 04:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30/09/2025 05:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30/09/2025 06:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30/09/2025 07:00	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
30/09/2025 08:00	14.9	300966.0	50.53	1.60	9.96	1.58
30/09/2025 09:00	14.9	356482.4	43.04	1.50	8.83	1.04
30/09/2025 10:00	14.9	353982.1	45.73	1.38	8.16	0.91
30/09/2025 11:00	14.9	353706.2	46.16	1.39	7.55	0.84
30/09/2025 12:00	14.9	259076.7	45.76	1.48	7.12	0.71
30/09/2025 13:00	14.8	351277.0	38.37	1.69	7.30	0.62
30/09/2025 14:00	14.8	352918.3	44.20	2.09	7.43	0.62
30/09/2025 15:00	14.6	354579.4	Calbrate	Calbrate	7.01	Calbrate
30/09/2025 16:00	14.9	354616.4	53.03	0.25	7.78	0.93
30/09/2025 17:00	15.0	354021.9	52.70	0.00	7.72	0.98
30/09/2025 18:00	15.0	349960.1	51.35	0.12	7.87	1.00
30/09/2025 19:00	14.9	351723.6	51.73	0.61	9.35	0.98
30/09/2025 20:00	15.0	351296.9	49.74	0.70	9.79	0.96
30/09/2025 21:00	14.9	345986.4	46.85	0.42	10.26	1.03
30/09/2025 22:00	14.9	347334.6	45.34	0.54	10.98	1.07
30/09/2025 23:00	14.9	346313.5	44.42	0.37	11.60	1.14
Minimum	14.50	250,713.40	18.02	0.00	5.75	0.00
Maximum	15.15	363,923.40	53.03	2.85	21.89	3.37
Avg	14.75	337,508.00	34.43	1.63	9.03	1.47
SUM						
STD			STD = 60	STD = 6	STD = 28	STD = 690

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
01/09/2025 00:00	14.4	341045.6	18.87	1.20	12.97	1.31
01/09/2025 01:00	14.5	339842.2	19.95	1.17	11.31	1.21
01/09/2025 02:00	14.5	337481.5	19.97	1.06	11.96	1.25
01/09/2025 03:00	14.5	333999.9	19.65	1.08	12.07	1.23
01/09/2025 04:00	14.6	289748.9	26.40	1.27	14.54	1.10
01/09/2025 05:00	14.6	276209.3	29.66	1.37	15.69	0.97
01/09/2025 06:00	14.6	277213.4	28.99	1.52	15.78	0.99
01/09/2025 07:00	14.5	286051.1	25.25	1.22	13.31	1.09
01/09/2025 08:00	14.3	333348.5	23.89	1.13	10.27	1.09
01/09/2025 09:00	14.7	378316.3	28.72	1.10	8.18	1.05
01/09/2025 10:00	14.7	377815.7	28.91	1.11	6.87	0.98
01/09/2025 11:00	14.7	376638.1	29.07	1.29	6.74	1.00
01/09/2025 12:00	14.7	285433.8	31.91	1.38	8.30	0.87
01/09/2025 13:00	14.7	375969.7	29.87	1.54	6.79	1.00
01/09/2025 14:00	14.7	377437.4	31.31	1.29	6.96	1.05
01/09/2025 15:00	14.6	376023.7	28.97	1.37	6.81	1.02
01/09/2025 16:00	14.6	377181.4	26.63	1.52	6.78	0.99
01/09/2025 17:00	14.6	377252.5	27.49	1.37	6.78	1.06
01/09/2025 18:00	14.5	374789.2	24.83	1.40	7.19	1.09
01/09/2025 19:00	14.6	381120.9	26.98	1.66	8.76	1.15
01/09/2025 20:00	14.6	379058.7	26.81	1.77	9.29	1.13
01/09/2025 21:00	14.6	371822.5	27.47	1.65	8.81	1.10
01/09/2025 22:00	14.6	372576.3	27.01	1.56	9.13	1.06
01/09/2025 23:00	14.5	370289.3	26.64	1.44	8.74	1.01
02/09/2025 00:00	14.5	340909.0	25.20	1.43	9.11	0.95
02/09/2025 01:00	14.5	349829.2	24.37	1.76	8.44	1.02
02/09/2025 02:00	14.5	347761.3	24.00	1.81	8.29	1.06
02/09/2025 03:00	14.4	344928.3	24.04	1.83	8.87	1.10
02/09/2025 04:00	14.4	343070.8	24.21	1.67	10.14	1.20
02/09/2025 05:00	14.4	338246.6	23.55	1.71	12.77	1.15
02/09/2025 06:00	14.4	341583.2	23.05	1.86	13.75	1.18
02/09/2025 07:00	14.5	352113.3	23.74	1.66	12.54	1.17
02/09/2025 08:00	14.5	339239.3	26.71	1.59	11.09	1.09
02/09/2025 09:00	14.6	378213.9	27.03	1.54	8.25	1.03
02/09/2025 10:00	14.6	379331.8	28.35	1.24	7.17	1.02
02/09/2025 11:00	14.6	376985.1	28.31	1.29	6.96	0.98
02/09/2025 12:00	14.6	287715.1	30.58	1.15	8.96	0.90
02/09/2025 13:00	14.6	378296.4	29.33	1.31	7.31	0.98
02/09/2025 14:00	14.6	379838.1	30.74	1.22	7.18	1.04
02/09/2025 15:00	14.6	380617.5	26.55	1.25	7.26	0.94
02/09/2025 16:00	14.5	380990.1	25.11	1.57	7.47	0.96
02/09/2025 17:00	14.6	378211.1	25.87	1.51	8.08	1.05
02/09/2025 18:00	14.6	377317.9	26.68	1.69	9.42	1.16
02/09/2025 19:00	14.5	376714.9	25.94	1.81	10.05	1.09
02/09/2025 20:00	14.6	374561.7	26.33	1.58	10.22	1.21
02/09/2025 21:00	14.5	370024.8	25.33	1.61	10.54	1.16
02/09/2025 22:00	14.5	371808.3	25.10	1.76	11.29	1.11
02/09/2025 23:00	14.5	371000.4	26.14	1.59	10.52	1.00
03/09/2025 00:00	14.4	342863.2	25.74	1.88	11.80	0.96
03/09/2025 01:00	14.4	352164.5	24.97	1.91	11.05	1.03
03/09/2025 02:00	14.4	351260.0	25.25	1.67	10.99	1.05
03/09/2025 03:00	14.4	349712.6	25.12	1.76	9.87	1.03
03/09/2025 04:00	14.5	350014.1	25.28	1.92	9.35	1.06
03/09/2025 05:00	14.5	345369.1	24.78	1.70	9.31	1.10
03/09/2025 06:00	14.4	344407.7	23.98	1.80	9.57	1.12
03/09/2025 07:00	14.5	349837.8	24.04	1.66	10.71	1.14
03/09/2025 08:00	14.5	339239.3	27.36	1.53	9.56	1.03
03/09/2025 09:00	14.6	377585.3	28.35	1.26	7.80	1.02
03/09/2025 10:00	14.6	375474.7	28.33	1.46	6.98	0.99
03/09/2025 11:00	14.6	375341.0	28.60	1.26	7.08	1.00
03/09/2025 12:00	14.6	287589.9	30.72	1.22	8.75	0.91
03/09/2025 13:00	14.7	378654.8	29.31	0.96	7.38	0.98
03/09/2025 14:00	14.6	379004.7	30.22	0.93	7.68	1.02
03/09/2025 15:00	14.6	378154.2	30.90	1.17	7.49	1.04
03/09/2025 16:00	14.6	377588.2	30.81	1.40	7.49	1.04
03/09/2025 17:00	14.6	379292.0	26.68	1.32	7.13	0.97

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
03/09/2025 18:00	14.5	374137.8	24.94	1.55	7.30	1.01
03/09/2025 19:00	14.6	379081.5	27.14	1.63	7.93	0.99
03/09/2025 20:00	14.6	376200.1	27.29	1.58	8.31	1.12
03/09/2025 21:00	14.6	370644.9	26.62	1.77	9.00	0.96
03/09/2025 22:00	14.5	369711.9	25.94	1.65	10.11	0.95
03/09/2025 23:00	14.5	367240.1	25.90	1.77	10.86	0.97
04/09/2025 00:00	14.4	342484.9	25.46	1.91	10.36	0.95
04/09/2025 01:00	14.4	351865.8	25.03	1.59	10.53	1.01
04/09/2025 02:00	14.4	352525.8	24.52	1.74	10.36	1.01
04/09/2025 03:00	14.4	350526.1	24.80	1.48	10.45	1.05
04/09/2025 04:00	14.4	349539.1	24.52	1.73	10.67	1.03
04/09/2025 05:00	14.4	345420.3	24.65	1.54	9.92	1.09
04/09/2025 06:00	14.4	345224.1	24.15	1.73	9.63	1.05
04/09/2025 07:00	14.4	346293.6	24.00	1.80	9.12	1.12
04/09/2025 08:00	14.5	337618.0	27.15	1.75	9.16	0.96
04/09/2025 09:00	14.6	378762.9	26.95	1.38	8.06	1.01
04/09/2025 10:00	14.6	380182.3	27.32	1.71	8.19	1.03
04/09/2025 11:00	14.6	376202.9	27.45	1.49	7.91	1.01
04/09/2025 12:00	14.6	286847.5	29.90	1.25	9.62	0.92
04/09/2025 13:00	14.6	379997.4	27.23	1.39	7.79	0.97
04/09/2025 14:00	14.6	381058.4	28.04	1.22	7.69	0.99
04/09/2025 15:00	14.6	380159.5	27.87	1.26	7.65	0.99
04/09/2025 16:00	14.6	380102.6	27.45	1.31	7.63	0.95
04/09/2025 17:00	14.6	378481.3	27.16	1.37	7.92	0.97
04/09/2025 18:00	14.6	372843.6	26.22	1.60	9.72	0.99
04/09/2025 19:00	14.5	372778.2	27.25	1.29	15.32	0.98
04/09/2025 20:00	14.5	373315.8	26.64	1.64	10.02	1.03
04/09/2025 21:00	14.5	369871.2	25.75	1.75	9.71	1.05
04/09/2025 22:00	14.5	370824.1	25.56	1.79	9.76	0.96
04/09/2025 23:00	14.5	369589.6	25.43	1.76	9.98	0.96
05/09/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
05/09/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
05/09/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
05/09/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
05/09/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
05/09/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
05/09/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
05/09/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
05/09/2025 08:00	14.5	278444.1	26.67	1.44	10.48	1.13
05/09/2025 09:00	14.5	378902.3	28.00	1.44	10.48	1.13
05/09/2025 10:00	14.5	375392.3	28.76	1.33	8.52	1.01
05/09/2025 11:00	14.6	373085.4	28.81	1.18	7.84	1.03
05/09/2025 12:00	14.6	285698.4	29.73	1.27	10.34	0.90
05/09/2025 13:00	14.6	376023.7	28.94	1.12	8.22	1.03
05/09/2025 14:00	14.6	377323.6	30.24	1.08	8.05	1.08
05/09/2025 15:00	14.6	377352.1	30.54	1.08	7.40	1.08
05/09/2025 16:00	14.6	377266.7	29.61	1.10	7.47	1.06
05/09/2025 17:00	14.6	372599.0	28.39	1.23	7.89	1.10
05/09/2025 18:00	14.5	367453.4	26.93	1.43	8.71	1.09
05/09/2025 19:00	14.5	369308.0	26.57	1.59	9.57	1.01
05/09/2025 20:00	14.5	370374.6	27.20	1.36	11.83	1.08
05/09/2025 21:00	14.5	367444.9	26.27	1.77	10.41	1.03
05/09/2025 22:00	14.5	368983.7	26.46	1.79	10.23	1.04
05/09/2025 23:00	14.5	367863.0	27.20	1.75	11.83	0.97
06/09/2025 00:00	14.4	339845.2	25.11	1.73	12.15	1.03
06/09/2025 01:00	14.4	347428.5	25.40	1.86	10.65	1.15
06/09/2025 02:00	14.4	346387.4	25.61	1.54	10.64	1.20
06/09/2025 03:00	14.4	344754.7	25.21	1.54	10.62	1.14
06/09/2025 04:00	14.4	342041.1	25.04	1.69	9.58	1.15
06/09/2025 05:00	14.4	338010.6	24.21	1.71	11.79	1.20
06/09/2025 06:00	14.4	336224.3	24.08	1.60	10.97	1.22
06/09/2025 07:00	14.5	347172.5	25.24	1.59	9.59	1.16
06/09/2025 08:00	14.5	366503.3	27.71	1.56	9.13	1.11
06/09/2025 09:00	14.5	373039.9	27.60	1.37	8.24	1.07
06/09/2025 10:00	14.5	374354.0	28.08	1.11	8.07	1.05
06/09/2025 11:00	14.5	374095.2	28.11	1.07	8.11	1.09

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
06/09/2025 12:00	14.6	286312.8	28.37	1.10	9.98	0.99
06/09/2025 13:00	14.6	374843.3	27.80	1.28	7.76	1.03
06/09/2025 14:00	14.6	375941.2	28.86	1.26	7.58	1.06
06/09/2025 15:00	14.6	376575.5	28.79	1.21	7.70	1.06
06/09/2025 16:00	14.5	372866.4	28.04	1.39	8.98	1.07
06/09/2025 17:00	14.5	368645.2	27.39	1.41	9.77	1.07
06/09/2025 18:00	14.5	365888.9	27.19	1.35	9.94	1.11
06/09/2025 19:00	14.5	369325.0	26.89	1.47	9.39	1.06
06/09/2025 20:00	14.5	367262.8	26.92	1.47	9.58	1.04
06/09/2025 21:00	14.4	363348.9	26.06	1.81	11.21	1.05
06/09/2025 22:00	14.5	363744.3	26.03	1.92	10.65	1.03
06/09/2025 23:00	14.5	362606.5	26.18	1.85	10.37	1.03
07/09/2025 00:00	14.4	337131.6	25.34	1.63	10.18	1.09
07/09/2025 01:00	14.4	343753.5	24.94	1.69	9.65	1.11
07/09/2025 02:00	14.4	343247.2	24.70	1.58	9.74	1.13
07/09/2025 03:00	14.4	340286.1	24.43	1.71	9.52	1.11
07/09/2025 04:00	14.4	338673.3	24.15	1.64	9.36	1.15
07/09/2025 05:00	14.4	331880.8	23.91	1.40	9.52	1.17
07/09/2025 06:00	14.3	325645.8	23.15	1.63	9.65	1.16
07/09/2025 07:00	14.3	320002.4	22.57	1.46	9.67	1.16
07/09/2025 08:00	14.3	315536.6	22.15	1.48	9.37	1.16
07/09/2025 09:00	14.4	313397.6	22.30	1.15	8.79	1.17
07/09/2025 10:00	14.4	311528.8	22.08	1.34	8.20	1.08
07/09/2025 11:00	14.4	310720.9	22.29	1.17	8.34	1.04
07/09/2025 12:00	14.4	311380.9	22.65	0.92	8.22	1.05
07/09/2025 13:00	14.4	319501.8	22.59	1.25	8.48	1.04
07/09/2025 14:00	14.3	320778.9	22.95	1.23	9.28	1.08
07/09/2025 15:00	14.3	320719.2	22.66	1.50	9.96	1.10
07/09/2025 16:00	14.4	319023.9	22.96	1.38	10.76	1.12
07/09/2025 17:00	14.5	291990.1	28.02	1.59	11.79	0.96
07/09/2025 18:00	14.4	343872.9	23.15	1.78	12.54	1.10
07/09/2025 19:00	14.4	346848.3	24.19	1.73	10.87	1.09
07/09/2025 20:00	14.4	348216.4	24.51	1.69	10.22	1.07
07/09/2025 21:00	14.4	348316.0	25.06	1.58	10.02	1.05
07/09/2025 22:00	14.4	347991.7	25.33	1.44	9.97	1.05
07/09/2025 23:00	14.4	330566.6	24.84	1.66	10.15	1.00
08/09/2025 00:00	14.3	325156.5	23.24	1.42	9.87	1.10
08/09/2025 01:00	14.3	325070.4	22.81	1.71	11.26	1.12
08/09/2025 02:00	14.3	323973.2	22.42	1.98	15.06	1.10
08/09/2025 03:00	14.3	322619.3	22.46	1.86	17.87	1.12
08/09/2025 04:00	14.3	323063.0	22.71	1.48	15.86	1.16
08/09/2025 05:00	14.3	319723.6	22.27	1.50	17.42	1.16
08/09/2025 06:00	14.3	322952.1	22.42	1.79	19.30	1.14
08/09/2025 07:00	14.4	345394.7	24.27	1.69	18.48	1.16
08/09/2025 08:00	14.5	337282.4	27.06	1.45	13.16	1.08
08/09/2025 09:00	14.5	374015.5	26.59	1.34	10.59	1.10
08/09/2025 10:00	14.5	373466.6	27.19	1.24	10.17	1.06
08/09/2025 11:00	14.5	371193.8	28.30	1.07	9.43	1.03
08/09/2025 12:00	14.6	287257.1	29.11	1.05	9.98	0.92
08/09/2025 13:00	14.5	374399.5	28.10	1.36	12.34	0.95
08/09/2025 14:00	14.5	371973.2	27.52	1.66	11.34	1.03
08/09/2025 15:00	14.5	368295.3	26.66	1.53	11.34	1.03
08/09/2025 16:00	14.5	370070.3	26.87	1.38	12.34	1.04
08/09/2025 17:00	14.5	369123.1	26.59	1.51	12.13	1.06
08/09/2025 18:00	14.5	366116.5	26.68	1.51	13.12	1.08
08/09/2025 19:00	14.5	368838.6	28.45	1.35	10.56	1.00
08/09/2025 20:00	14.5	370167.0	27.93	1.60	10.74	1.06
08/09/2025 21:00	14.5	365499.3	27.41	1.43	11.76	1.12
08/09/2025 22:00	14.5	366887.3	27.09	1.71	12.93	1.10
08/09/2025 23:00	14.5	365698.4	27.11	1.38	15.17	1.21
09/09/2025 00:00	14.4	343091.3	25.27	1.52	11.28	1.20
09/09/2025 01:00	14.4	350674.0	25.19	1.56	20.78	1.11
09/09/2025 02:00	14.4	349698.4	25.04	1.80	18.93	1.11
09/09/2025 03:00	14.4	347454.1	25.17	1.56	20.05	1.18
09/09/2025 04:00	14.4	346993.3	24.78	1.60	22.84	1.20
09/09/2025 05:00	14.4	341642.9	24.20	1.75	16.92	1.15

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
09/09/2025 06:00	14.4	340414.1	24.07	1.66	18.21	1.17
09/09/2025 07:00	14.4	351780.5	24.90	1.50	16.50	1.14
09/09/2025 08:00	14.5	336753.3	27.37	1.43	11.90	1.02
09/09/2025 09:00	14.5	375161.8	25.84	1.45	10.30	1.04
09/09/2025 10:00	14.6	374988.3	28.33	1.23	9.22	1.05
09/09/2025 11:00	14.6	375386.6	29.74	1.08	7.81	0.99
09/09/2025 12:00	14.6	287985.3	29.36	1.03	9.20	0.90
09/09/2025 13:00	14.5	377155.8	26.74	1.47	8.01	0.93
09/09/2025 14:00	14.5	378248.1	28.35	1.40	9.08	1.03
09/09/2025 15:00	14.6	379434.2	30.09	1.45	8.42	0.99
09/09/2025 16:00	14.6	378231.0	30.47	1.19	8.50	1.04
09/09/2025 17:00	14.6	374763.6	29.44	1.38	8.70	0.99
09/09/2025 18:00	14.5	368690.7	28.34	1.56	9.68	0.93
09/09/2025 19:00	14.5	370960.6	28.23	1.55	11.87	0.93
09/09/2025 20:00	14.5	369871.2	27.97	1.66	11.63	0.95
09/09/2025 21:00	14.5	365669.9	27.43	1.51	12.35	1.01
09/09/2025 22:00	14.5	367726.5	27.04	1.75	17.16	1.04
09/09/2025 23:00	14.5	366028.3	26.94	1.68	18.40	1.06
10/09/2025 00:00	14.4	341674.2	25.61	1.83	13.38	1.10
10/09/2025 01:00	14.4	351589.9	25.51	1.50	20.07	1.31
10/09/2025 02:00	14.4	351518.8	25.78	1.29	17.08	1.27
10/09/2025 03:00	14.4	348011.6	25.54	1.37	18.23	1.22
10/09/2025 04:00	14.4	346942.1	25.45	1.48	11.25	1.05
10/09/2025 05:00	14.4	341782.3	25.05	1.49	19.20	1.07
10/09/2025 06:00	14.4	341884.7	24.87	1.71	16.97	1.07
10/09/2025 07:00	14.4	351254.3	25.67	1.61	18.35	1.12
10/09/2025 08:00	14.5	369344.9	27.48	1.28	16.28	1.13
10/09/2025 09:00	14.5	374584.4	28.34	1.17	11.68	1.09
10/09/2025 10:00	14.5	374641.3	28.56	1.13	10.57	1.09
10/09/2025 11:00	14.5	373438.1	28.80	1.18	10.47	1.03
10/09/2025 12:00	14.6	288156.0	30.34	1.23	12.08	0.94
10/09/2025 13:00	14.6	377662.1	29.16	1.18	10.24	1.05
10/09/2025 14:00	14.6	377986.4	29.24	1.01	10.05	1.09
10/09/2025 15:00	14.5	375853.0	28.81	1.09	10.29	1.07
10/09/2025 16:00	14.5	375799.0	29.00	1.07	10.01	1.05
10/09/2025 17:00	14.5	374422.3	28.78	1.20	9.83	1.09
10/09/2025 18:00	14.5	372050.0	28.37	1.33	10.15	1.11
10/09/2025 19:00	14.5	374254.5	28.67	1.42	9.32	1.18
10/09/2025 20:00	14.5	372806.6	28.34	1.46	9.50	1.26
10/09/2025 21:00	14.5	368238.5	27.91	1.35	9.81	1.26
10/09/2025 22:00	14.5	368594.0	27.52	1.39	10.56	1.24
10/09/2025 23:00	14.5	367393.7	27.02	1.41	10.96	1.25
11/09/2025 00:00	14.5	344888.4	25.86	1.55	10.88	1.19
11/09/2025 01:00	14.5	353808.6	26.66	1.36	9.33	0.95
11/09/2025 02:00	14.4	352448.9	26.71	1.80	19.47	0.96
11/09/2025 03:00	14.4	346563.8	26.49	1.56	9.27	1.01
11/09/2025 04:00	14.4	344791.7	25.71	1.77	14.65	1.02
11/09/2025 05:00	14.4	338912.3	25.28	1.60	10.94	1.15
11/09/2025 06:00	14.4	337529.8	25.24	1.45	14.18	1.13
11/09/2025 07:00	14.4	345699.1	25.84	1.40	12.80	1.14
11/09/2025 08:00	14.5	334622.8	29.28	1.57	11.57	0.96
11/09/2025 09:00	14.5	373449.5	28.24	1.40	9.59	1.01
11/09/2025 10:00	14.6	373978.6	28.68	1.31	8.19	0.94
11/09/2025 11:00	14.6	372764.0	29.45	0.92	7.29	0.97
11/09/2025 12:00	14.6	286210.4	31.86	1.13	9.73	0.86
11/09/2025 13:00	14.6	376427.6	30.07	1.04	7.48	0.97
11/09/2025 14:00	14.6	377827.1	30.89	0.99	7.67	0.99
11/09/2025 15:00	14.6	377002.2	30.64	1.00	7.63	1.00
11/09/2025 16:00	14.6	377636.5	30.86	1.06	7.74	1.04
11/09/2025 17:00	14.6	376584.1	30.17	1.17	7.68	1.02
11/09/2025 18:00	14.6	374587.3	29.63	1.15	7.73	1.06
11/09/2025 19:00	14.6	377434.6	29.39	1.39	7.89	1.04
11/09/2025 20:00	14.6	375284.2	28.22	1.47	8.45	1.20
11/09/2025 21:00	14.5	368067.8	26.78	1.70	9.59	1.20
11/09/2025 22:00	14.5	370258.0	27.28	1.44	9.41	1.20
11/09/2025 23:00	14.5	367493.2	27.84	1.44	8.61	1.02

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
12/09/2025 00:00	14.5	342575.9	26.89	1.53	9.23	0.95
12/09/2025 01:00	14.5	351905.7	26.29	1.62	8.94	1.08
12/09/2025 02:00	14.5	352158.8	25.67	1.57	9.16	1.10
12/09/2025 03:00	14.4	350890.2	25.20	1.66	9.21	1.05
12/09/2025 04:00	14.4	350739.4	25.13	1.64	9.19	1.08
12/09/2025 05:00	14.4	344717.8	25.18	1.35	9.05	1.16
12/09/2025 06:00	14.4	342908.7	25.20	1.29	9.00	1.14
12/09/2025 07:00	14.4	343275.6	24.96	1.31	8.66	1.10
12/09/2025 08:00	14.5	335868.7	26.63	1.32	9.13	1.04
12/09/2025 09:00	14.5	376083.4	26.28	1.32	8.19	1.02
12/09/2025 10:00	14.6	378034.7	28.39	1.45	8.20	0.99
12/09/2025 11:00	14.6	375804.7	28.77	1.32	7.63	1.01
12/09/2025 12:00	14.6	287271.3	28.95	1.17	9.91	0.88
12/09/2025 13:00	14.5	376695.0	25.76	1.24	7.36	0.93
12/09/2025 14:00	14.5	377989.2	26.21	1.22	7.33	0.98
12/09/2025 15:00	14.5	374831.9	27.00	1.15	6.96	1.00
12/09/2025 16:00	14.5	370263.7	27.41	1.53	8.37	1.04
12/09/2025 17:00	14.5	369845.6	29.31	1.33	9.79	1.09
12/09/2025 18:00	14.5	367942.6	28.30	1.46	9.49	1.13
12/09/2025 19:00	14.5	370778.6	27.63	1.41	9.53	1.20
12/09/2025 20:00	14.5	372749.8	27.65	1.59	11.16	1.20
12/09/2025 21:00	14.5	368704.9	26.89	1.45	11.28	1.06
12/09/2025 22:00	14.5	370255.2	26.80	1.60	10.15	1.00
12/09/2025 23:00	14.5	368949.6	26.70	1.43	9.32	1.06
13/09/2025 00:00	14.5	344717.8	25.75	1.51	9.95	1.14
13/09/2025 01:00	14.5	354761.5	26.01	1.40	9.89	1.06
13/09/2025 02:00	14.4	352483.1	25.76	1.51	10.84	1.03
13/09/2025 03:00	14.4	350793.5	25.33	1.74	10.29	1.14
13/09/2025 04:00	14.4	349823.5	25.23	1.54	9.82	1.12
13/09/2025 05:00	14.4	344504.4	24.68	1.67	9.45	1.18
13/09/2025 06:00	14.4	342527.5	24.51	1.45	9.39	1.22
13/09/2025 07:00	14.4	345178.6	24.77	1.44	9.47	1.27
13/09/2025 08:00	14.5	338303.5	26.41	1.50	9.50	1.15
13/09/2025 09:00	14.5	375210.2	26.07	1.54	7.84	1.04
13/09/2025 10:00	14.5	375540.2	28.13	1.18	8.09	1.05
13/09/2025 11:00	14.6	374154.9	28.30	1.25	7.81	1.07
13/09/2025 12:00	14.6	287962.6	28.62	1.12	10.55	0.95
13/09/2025 13:00	14.6	378034.7	29.84	1.12	7.47	1.05
13/09/2025 14:00	14.6	379488.3	30.08	1.03	7.52	1.07
13/09/2025 15:00	14.5	376188.7	26.50	1.34	7.50	1.04
13/09/2025 16:00	14.5	375477.6	27.60	1.57	7.74	1.05
13/09/2025 17:00	14.5	368906.9	28.08	1.50	8.57	1.07
13/09/2025 18:00	14.5	367339.6	28.02	1.53	9.88	1.16
13/09/2025 19:00	14.5	371000.4	28.11	1.37	10.15	1.18
13/09/2025 20:00	14.5	371051.6	28.06	1.39	10.24	1.20
13/09/2025 21:00	14.5	367976.8	27.17	1.48	10.62	1.22
13/09/2025 22:00	14.5	367789.0	27.04	1.19	11.19	1.19
13/09/2025 23:00	14.5	367083.6	27.04	1.45	10.69	1.15
14/09/2025 00:00	14.5	341352.8	25.97	1.40	11.53	1.12
14/09/2025 01:00	14.4	349533.4	24.84	1.52	11.75	1.22
14/09/2025 02:00	14.4	349433.8	25.50	1.36	10.65	1.18
14/09/2025 03:00	14.4	346908.0	24.95	1.48	9.55	1.22
14/09/2025 04:00	14.4	346720.3	24.58	1.46	10.23	1.29
14/09/2025 05:00	14.4	338804.2	23.86	1.45	11.85	1.30
14/09/2025 06:00	14.4	335533.0	23.11	1.53	12.50	1.29
14/09/2025 07:00	14.4	335501.8	23.19	1.55	11.14	1.28
14/09/2025 08:00	14.4	334278.6	23.76	1.51	11.09	1.19
14/09/2025 09:00	14.4	332361.5	23.87	1.32	9.80	1.22
14/09/2025 10:00	14.4	325347.1	23.79	1.04	8.63	1.24
14/09/2025 11:00	14.4	337754.6	24.90	1.10	7.86	1.12
14/09/2025 12:00	14.4	332040.1	24.24	1.34	8.70	1.09
14/09/2025 13:00	14.4	335612.7	24.80	1.01	8.80	1.09
14/09/2025 14:00	14.4	340263.3	24.73	1.31	8.39	1.09
14/09/2025 15:00	14.4	336153.1	24.48	1.26	9.08	1.16
14/09/2025 16:00	14.4	333248.9	24.08	1.20	9.61	1.20
14/09/2025 17:00	14.5	303331.1	27.93	0.93	12.14	1.08

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
14/09/2025 18:00	14.4	354431.5	24.49	1.33	10.29	1.14
14/09/2025 19:00	14.5	358553.1	25.68	1.41	11.37	1.15
14/09/2025 20:00	14.5	361298.0	26.50	1.43	11.37	1.13
14/09/2025 21:00	14.5	362367.5	26.63	1.32	11.69	1.19
14/09/2025 22:00	14.5	361261.0	25.88	1.53	12.95	1.19
14/09/2025 23:00	14.4	342587.3	25.97	1.48	13.00	1.25
15/09/2025 00:00	14.4	338957.8	23.93	1.55	15.35	1.79
15/09/2025 01:00	14.4	338597.4	23.88	1.36	19.68	1.41
15/09/2025 02:00	14.4	337342.1	24.14	1.40	16.35	1.21
15/09/2025 03:00	14.4	332492.3	24.00	1.55	13.92	1.19
15/09/2025 04:00	14.4	332213.6	23.92	1.57	13.75	1.19
15/09/2025 05:00	14.4	328006.6	23.79	1.72	10.93	1.12
15/09/2025 06:00	14.4	330046.1	24.21	1.64	11.48	1.13
15/09/2025 07:00	14.4	347892.2	25.73	1.53	10.89	1.10
15/09/2025 08:00	14.5	340243.4	29.70	1.42	11.54	0.98
15/09/2025 09:00	14.5	377949.4	28.50	1.35	9.14	1.13
15/09/2025 10:00	14.6	374317.0	28.52	1.47	8.62	1.09
15/09/2025 11:00	14.6	374968.4	29.18	1.12	7.97	1.12
15/09/2025 12:00	14.6	289239.7	29.27	1.14	10.23	0.97
15/09/2025 13:00	14.6	377832.8	29.36	1.08	8.56	1.08
15/09/2025 14:00	14.6	380478.1	29.36	1.12	8.75	1.05
15/09/2025 15:00	14.5	376951.0	28.67	1.20	8.82	1.07
15/09/2025 16:00	14.6	376165.9	29.36	1.19	8.76	1.10
15/09/2025 17:00	14.6	374146.4	28.63	1.30	9.05	1.14
15/09/2025 18:00	14.6	371890.7	28.57	1.36	8.93	1.12
15/09/2025 19:00	14.5	373463.7	28.67	1.36	9.97	1.16
15/09/2025 20:00	14.5	373537.7	28.06	1.46	10.45	1.20
15/09/2025 21:00	14.5	369933.8	27.30	1.54	10.42	1.24
15/09/2025 22:00	14.5	370687.5	27.69	1.17	10.27	1.24
15/09/2025 23:00	14.5	369438.8	27.63	1.37	10.45	1.17
16/09/2025 00:00	14.4	343955.4	25.88	1.44	11.25	1.18
16/09/2025 01:00	14.5	354716.0	26.78	1.34	11.32	1.19
16/09/2025 02:00	14.5	353396.2	26.57	1.28	12.43	1.08
16/09/2025 03:00	14.4	349778.0	26.44	1.36	12.89	1.03
16/09/2025 04:00	14.4	347004.7	25.81	1.50	20.97	1.05
16/09/2025 05:00	14.4	336147.4	25.37	1.58	11.21	1.04
16/09/2025 06:00	14.4	339936.3	25.40	1.65	13.86	0.99
16/09/2025 07:00	14.5	350116.5	26.27	1.64	11.64	0.99
16/09/2025 08:00	14.6	337546.9	30.32	1.36	11.51	0.94
16/09/2025 09:00	14.6	375298.4	29.01	1.18	9.71	0.96
16/09/2025 10:00	14.6	374078.1	29.07	1.12	8.76	0.94
16/09/2025 11:00	14.6	372684.3	29.54	1.04	8.26	0.95
16/09/2025 12:00	14.6	287779.1	32.76	1.08	10.78	0.82
16/09/2025 13:00	14.6	375013.9	29.68	1.02	8.15	0.97
16/09/2025 14:00	14.7	377096.1	30.58	0.93	8.72	0.98
16/09/2025 15:00	14.7	376714.9	30.99	0.94	8.75	0.96
16/09/2025 16:00	14.7	379439.9	30.29	0.91	9.10	0.96
16/09/2025 17:00	14.7	378037.6	31.14	0.80	9.34	1.00
16/09/2025 18:00	14.6	374789.2	30.81	1.08	9.03	1.02
16/09/2025 19:00	14.6	378341.9	30.45	1.02	9.26	1.10
16/09/2025 20:00	14.6	375369.5	28.46	1.42	9.85	1.09
16/09/2025 21:00	14.5	369404.7	28.67	1.31	10.77	1.07
16/09/2025 22:00	14.5	370277.9	28.21	1.29	10.45	1.09
16/09/2025 23:00	14.5	370522.6	27.91	1.44	9.56	1.09
17/09/2025 00:00	14.5	371759.9	28.41	1.27	9.67	1.13
17/09/2025 01:00	14.5	379363.1	28.19	1.29	10.04	1.18
17/09/2025 02:00	14.5	379616.3	27.76	1.55	9.38	1.05
17/09/2025 03:00	14.5	378586.6	28.59	1.37	9.51	1.00
17/09/2025 04:00	14.5	377335.0	28.93	1.52	10.12	1.02
17/09/2025 05:00	14.5	378012.0	28.10	1.41	10.03	1.15
17/09/2025 06:00	14.5	378848.3	27.45	1.52	9.64	1.11
17/09/2025 07:00	14.5	364025.8	26.91	1.45	9.22	1.21
17/09/2025 08:00	14.5	337381.9	26.67	1.56	9.34	1.02
17/09/2025 09:00	14.5	377977.8	26.02	1.35	8.05	0.96
17/09/2025 10:00	14.5	377013.6	26.58	1.26	7.45	0.93
17/09/2025 11:00	14.5	373674.2	26.58	1.11	7.54	0.93

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
17/09/2025 12:00	14.5	285962.9	31.08	1.07	10.46	0.83
17/09/2025 13:00	14.5	375298.4	26.36	1.09	7.59	0.92
17/09/2025 14:00	14.6	381055.5	31.57	0.97	7.90	0.99
17/09/2025 15:00	14.6	379912.1	31.15	1.11	7.83	1.00
17/09/2025 16:00	14.6	379923.4	32.15	1.17	7.61	0.99
17/09/2025 17:00	14.6	380537.8	31.51	1.28	7.57	0.99
17/09/2025 18:00	14.6	376925.4	28.74	1.34	8.37	1.12
17/09/2025 19:00	14.6	375346.7	29.00	1.29	9.68	0.99
17/09/2025 20:00	14.5	373839.2	28.39	1.50	10.13	0.94
17/09/2025 21:00	14.5	369091.8	27.21	1.56	10.58	0.98
17/09/2025 22:00	14.5	370036.2	28.04	1.24	10.24	1.00
17/09/2025 23:00	14.5	367729.3	27.47	1.43	10.40	0.96
18/09/2025 00:00	14.5	361212.7	28.69	1.37	10.87	0.98
18/09/2025 01:00	14.5	378765.8	27.73	1.59	10.40	1.04
18/09/2025 02:00	14.5	378589.4	27.71	1.61	10.55	1.09
18/09/2025 03:00	14.5	378040.4	27.54	1.72	10.72	1.35
18/09/2025 04:00	14.5	377573.9	27.47	1.70	12.62	1.35
18/09/2025 05:00	14.5	378148.5	27.82	1.50	13.29	1.13
18/09/2025 06:00	14.5	378299.3	27.41	1.48	14.44	1.17
18/09/2025 07:00	14.5	364267.6	26.40	1.51	12.99	1.25
18/09/2025 08:00	14.5	335285.6	27.28	1.39	11.35	1.04
18/09/2025 09:00	14.5	376430.5	26.45	1.41	8.81	0.96
18/09/2025 10:00	14.5	372829.4	26.45	1.26	8.22	0.96
18/09/2025 11:00	14.6	373768.1	29.08	1.01	7.72	0.97
18/09/2025 12:00	14.6	286162.0	32.33	0.91	10.78	0.88
18/09/2025 13:00	14.5	373037.0	26.21	0.96	7.83	0.89
18/09/2025 14:00	14.7	378341.9	29.82	1.07	8.47	0.98
18/09/2025 15:00	14.7	377983.5	29.96	1.09	8.22	0.96
18/09/2025 16:00	14.7	379474.0	30.09	1.09	8.10	0.98
18/09/2025 17:00	14.7	378723.1	29.49	1.09	8.43	1.00
18/09/2025 18:00	14.6	377127.3	28.84	1.41	8.68	1.06
18/09/2025 19:00	14.6	376006.6	28.57	1.25	8.93	1.06
18/09/2025 20:00	14.6	375312.6	28.22	1.38	9.57	0.96
18/09/2025 21:00	14.5	370770.0	27.67	1.53	9.65	0.94
18/09/2025 22:00	14.5	371356.0	27.91	1.48	9.45	1.00
18/09/2025 23:00	14.5	369965.0	27.39	1.44	9.32	1.00
19/09/2025 00:00	14.5	362083.1	28.06	1.40	9.88	0.96
19/09/2025 01:00	14.5	378879.5	27.23	1.50	9.55	1.04
19/09/2025 02:00	14.5	378304.9	27.19	1.50	10.99	1.11
19/09/2025 03:00	14.5	377810.0	26.56	1.59	14.66	1.24
19/09/2025 04:00	14.5	377596.7	26.65	1.50	9.40	1.13
19/09/2025 05:00	14.5	377554.0	26.59	1.52	9.28	1.13
19/09/2025 06:00	14.5	378535.3	26.41	1.67	9.82	1.15
19/09/2025 07:00	14.5	364611.8	25.73	1.60	17.01	1.19
19/09/2025 08:00	14.5	333593.1	27.78	1.44	15.21	1.09
19/09/2025 09:00	14.5	376697.8	25.82	1.24	11.86	1.13
19/09/2025 10:00	14.5	376640.9	26.51	1.15	10.87	1.13
19/09/2025 11:00	14.6	375173.2	28.55	0.97	9.88	1.17
19/09/2025 12:00	14.6	287874.4	30.15	1.14	11.52	0.99
19/09/2025 13:00	14.5	376723.4	26.38	1.18	8.48	1.01
19/09/2025 14:00	14.6	378128.6	29.60	1.20	8.29	0.98
19/09/2025 15:00	14.6	380483.8	30.56	1.10	7.89	0.99
19/09/2025 16:00	14.6	377633.7	29.15	1.15	8.57	1.04
19/09/2025 17:00	14.6	372755.4	28.86	1.10	8.59	1.08
19/09/2025 18:00	14.6	370440.1	28.35	1.25	8.78	1.10
19/09/2025 19:00	14.6	373167.9	27.89	1.44	9.54	1.03
19/09/2025 20:00	14.6	374317.0	28.22	1.32	10.24	1.03
19/09/2025 21:00	14.5	370701.8	27.45	1.29	10.67	1.03
19/09/2025 22:00	14.5	371290.6	26.93	1.44	11.12	0.98
19/09/2025 23:00	14.5	369552.6	26.48	1.48	12.10	1.04
20/09/2025 00:00	14.5	364085.6	26.41	1.48	12.55	1.09
20/09/2025 01:00	14.5	380276.2	27.15	1.42	11.37	1.13
20/09/2025 02:00	14.5	379206.6	27.65	1.46	10.04	1.18
20/09/2025 03:00	14.5	379010.4	26.80	1.63	10.72	1.22
20/09/2025 04:00	14.5	379135.5	26.86	1.46	11.76	1.22
20/09/2025 05:00	14.5	379488.3	27.30	1.44	11.78	1.24

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
20/09/2025 06:00	14.5	379010.4	27.19	1.42	11.94	1.33
20/09/2025 07:00	14.5	367012.5	26.39	1.41	12.43	1.34
20/09/2025 08:00	14.5	334400.9	26.76	1.24	13.01	1.17
20/09/2025 09:00	14.6	379491.1	28.35	1.21	10.62	1.10
20/09/2025 10:00	14.6	376211.4	29.19	1.17	8.89	0.99
20/09/2025 11:00	14.6	371976.1	28.61	1.28	9.39	0.99
20/09/2025 12:00	14.6	285954.4	31.20	0.93	11.50	0.90
20/09/2025 13:00	14.7	375537.3	30.60	0.93	8.41	0.98
20/09/2025 14:00	14.7	376732.0	30.78	1.00	8.53	1.00
20/09/2025 15:00	14.7	375557.2	30.85	0.98	8.36	1.02
20/09/2025 16:00	14.7	376037.9	30.38	0.98	8.29	1.02
20/09/2025 17:00	14.6	371734.3	29.28	1.33	8.59	1.02
20/09/2025 18:00	14.6	370021.9	28.73	1.21	8.99	1.01
20/09/2025 19:00	14.6	372263.3	28.26	1.41	9.22	1.03
20/09/2025 20:00	14.6	373034.2	28.09	1.38	9.41	1.07
20/09/2025 21:00	14.5	369228.3	27.34	1.31	9.93	1.11
20/09/2025 22:00	14.5	368366.5	26.80	1.31	10.63	1.09
20/09/2025 23:00	14.5	367129.1	27.10	1.35	10.46	1.02
21/09/2025 00:00	14.5	342573.0	26.11	1.45	10.63	1.02
21/09/2025 01:00	14.5	351689.5	25.53	1.47	10.05	1.02
21/09/2025 02:00	14.5	350437.9	25.61	1.47	9.46	1.10
21/09/2025 03:00	14.5	349214.8	25.61	1.60	9.55	1.10
21/09/2025 04:00	14.5	346031.9	25.85	1.45	9.36	1.17
21/09/2025 05:00	14.4	336682.2	24.84	1.55	9.43	1.14
21/09/2025 06:00	14.4	330535.3	24.19	1.48	9.49	1.24
21/09/2025 07:00	14.4	323580.7	23.87	1.37	9.28	1.22
21/09/2025 08:00	14.4	316779.6	23.64	1.31	9.30	1.16
21/09/2025 09:00	14.4	312945.3	23.76	1.18	8.85	1.07
21/09/2025 10:00	14.4	313497.1	23.87	1.12	8.89	1.07
21/09/2025 11:00	14.4	309460.9	23.67	1.08	8.95	1.05
21/09/2025 12:00	14.5	314916.5	23.99	1.16	8.84	1.03
21/09/2025 13:00	14.5	317004.3	24.39	1.06	9.07	1.06
21/09/2025 14:00	14.5	317268.9	24.26	1.06	9.43	1.08
21/09/2025 15:00	14.5	320668.0	24.77	1.00	9.18	1.08
21/09/2025 16:00	14.5	325745.3	25.03	1.04	9.05	1.08
21/09/2025 17:00	14.5	325751.0	25.02	1.14	9.11	1.08
21/09/2025 18:00	14.5	387094.3	27.95	1.50	8.45	0.93
21/09/2025 19:00	14.5	382682.6	28.04	1.45	9.12	0.97
21/09/2025 20:00	14.5	352736.3	23.94	1.49	9.61	1.01
21/09/2025 21:00	14.5	354792.8	25.11	1.32	9.69	1.04
21/09/2025 22:00	14.5	353373.4	25.63	1.26	9.45	1.15
21/09/2025 23:00	14.5	347013.2	27.21	1.55	9.86	1.11
22/09/2025 00:00	14.6	381965.8	28.57	1.36	9.37	1.08
22/09/2025 01:00	14.6	379779.6	28.11	1.36	9.54	1.14
22/09/2025 02:00	14.6	379255.0	27.82	1.49	9.33	1.12
22/09/2025 03:00	14.6	379166.8	28.37	1.38	9.30	1.12
22/09/2025 04:00	14.6	379428.5	28.35	1.29	9.57	1.12
22/09/2025 05:00	14.6	379257.8	28.04	1.49	9.63	1.18
22/09/2025 06:00	14.6	379482.6	28.04	1.58	9.24	1.20
22/09/2025 07:00	14.5	365254.6	28.00	1.49	8.85	1.20
22/09/2025 08:00	14.5	338067.4	26.91	1.29	8.88	1.03
22/09/2025 09:00	14.6	377178.6	28.84	1.24	7.79	0.99
22/09/2025 10:00	14.7	377568.3	30.65	1.02	7.83	1.02
22/09/2025 11:00	14.7	376359.3	30.69	0.93	7.45	0.98
22/09/2025 12:00	14.6	286329.8	32.97	0.84	10.60	0.91
22/09/2025 13:00	14.6	378353.3	30.26	1.02	7.91	1.00
22/09/2025 14:00	14.6	379203.8	30.06	1.09	8.04	0.93
22/09/2025 15:00	14.7	379883.6	30.11	1.11	8.23	0.96
22/09/2025 16:00	14.6	379883.6	29.57	1.04	8.22	0.95
22/09/2025 17:00	14.5	371831.0	27.39	1.30	9.61	0.95
22/09/2025 18:00	14.5	370323.4	26.95	1.59	11.14	1.00
22/09/2025 19:00	14.5	375087.9	27.47	1.51	10.47	0.98
22/09/2025 20:00	14.6	375187.4	27.38	1.58	9.96	0.94
22/09/2025 21:00	14.6	371191.0	27.69	1.27	9.78	0.99
22/09/2025 22:00	14.6	371301.9	27.95	1.36	10.09	0.96
22/09/2025 23:00	14.6	370405.9	27.91	1.42	10.13	0.96

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
23/09/2025 00:00	14.5	361235.4	28.15	1.31	10.60	1.03
23/09/2025 01:00	14.6	380944.6	28.68	1.16	10.01	1.03
23/09/2025 02:00	14.6	379337.5	28.33	1.14	10.42	1.12
23/09/2025 03:00	14.6	378922.2	28.22	1.20	10.13	1.12
23/09/2025 04:00	14.5	378819.8	28.00	1.42	10.18	1.09
23/09/2025 05:00	14.6	379172.5	28.02	1.55	10.07	1.09
23/09/2025 06:00	14.6	379548.0	28.00	1.47	9.95	1.07
23/09/2025 07:00	14.5	363434.2	26.57	1.62	10.46	1.12
23/09/2025 08:00	14.5	335749.2	28.11	1.46	12.05	1.13
23/09/2025 09:00	14.6	382523.3	28.33	1.10	9.90	1.12
23/09/2025 10:00	14.6	373563.3	27.54	1.38	9.14	1.07
23/09/2025 11:00	14.6	375813.2	28.31	1.26	9.20	1.01
23/09/2025 12:00	14.6	286713.8	31.03	1.04	11.23	0.91
23/09/2025 13:00	14.6	378046.1	30.06	0.91	8.39	0.98
23/09/2025 14:00	14.6	380335.9	30.55	0.82	8.16	0.98
23/09/2025 15:00	14.6	379516.7	29.84	1.11	8.17	0.98
23/09/2025 16:00	14.6	380281.8	30.09	1.07	8.30	0.95
23/09/2025 17:00	14.6	377935.2	29.26	1.31	8.65	0.93
23/09/2025 18:00	14.6	375639.7	29.06	1.26	8.85	0.93
23/09/2025 19:00	14.6	377684.9	29.19	1.26	9.19	0.97
23/09/2025 20:00	14.6	376228.5	28.81	1.39	9.34	0.93
23/09/2025 21:00	14.6	369891.1	28.33	1.38	9.22	0.94
23/09/2025 22:00	14.6	370460.0	28.13	1.40	9.19	0.99
23/09/2025 23:00	14.6	369765.9	28.19	1.25	9.14	1.01
24/09/2025 00:00	14.6	363255.0	28.48	1.49	9.87	1.05
24/09/2025 01:00	14.6	380389.9	29.57	1.37	9.35	0.99
24/09/2025 02:00	14.6	380222.1	29.81	1.32	9.49	0.97
24/09/2025 03:00	14.6	379340.3	29.21	1.47	9.83	1.03
24/09/2025 04:00	14.6	379226.6	28.96	1.38	9.68	1.14
24/09/2025 05:00	14.6	379144.1	28.24	1.60	9.62	1.18
24/09/2025 06:00	14.6	378771.4	27.73	1.53	9.57	1.25
24/09/2025 07:00	14.5	363897.8	27.76	1.53	10.12	1.24
24/09/2025 08:00	14.6	331727.2	29.18	1.38	10.15	1.03
24/09/2025 09:00	14.6	377667.8	27.93	1.28	9.02	1.01
24/09/2025 10:00	14.7	378919.3	30.20	1.25	8.50	1.02
24/09/2025 11:00	14.6	377246.8	31.06	0.98	7.86	0.98
24/09/2025 12:00	14.6	286847.5	32.02	1.15	11.07	0.88
24/09/2025 13:00	14.6	375079.3	28.15	1.05	8.12	0.94
24/09/2025 14:00	14.6	379283.4	30.20	1.04	8.28	0.98
24/09/2025 15:00	14.6	379252.2	31.09	1.09	8.26	0.95
24/09/2025 16:00	14.6	379906.4	31.05	0.84	8.37	1.02
24/09/2025 17:00	14.6	379539.4	29.82	1.09	8.53	0.98
24/09/2025 18:00	14.6	375821.8	29.61	1.28	8.63	0.95
24/09/2025 19:00	14.6	377394.7	29.53	1.26	9.01	0.95
24/09/2025 20:00	14.6	376760.4	29.21	1.37	8.91	0.97
24/09/2025 21:00	14.6	369953.7	28.06	1.43	9.30	1.06
24/09/2025 22:00	14.6	371051.6	28.15	1.71	9.27	0.99
24/09/2025 23:00	14.6	369888.3	28.50	1.52	9.52	1.03
25/09/2025 00:00	14.6	370900.9	29.21	1.41	9.84	1.12
25/09/2025 01:00	14.6	379109.9	28.99	1.45	9.52	1.12
25/09/2025 02:00	14.6	379277.8	29.28	1.43	9.25	1.08
25/09/2025 03:00	14.6	379132.7	29.21	1.63	9.23	1.04
25/09/2025 04:00	14.6	379175.3	29.17	1.41	9.47	1.08
25/09/2025 05:00	14.6	379257.8	29.01	1.54	9.74	1.01
25/09/2025 06:00	14.6	379328.9	28.92	1.63	9.94	1.01
25/09/2025 07:00	14.5	364318.8	28.54	1.40	10.10	1.05
25/09/2025 08:00	14.6	337933.8	29.36	1.28	10.10	0.95
25/09/2025 09:00	14.6	379365.9	29.91	1.26	8.40	1.00
25/09/2025 10:00	14.6	375770.6	29.82	1.18	8.02	0.95
25/09/2025 11:00	14.6	373944.4	30.13	0.98	7.73	0.98
25/09/2025 12:00	14.6	287089.3	32.27	0.86	10.49	0.91
25/09/2025 13:00	14.6	378660.5	30.60	1.02	7.95	0.93
25/09/2025 14:00	14.6	379306.2	31.52	0.97	8.12	1.00
25/09/2025 15:00	14.6	379567.9	31.57	1.13	8.14	0.98
25/09/2025 16:00	14.6	379971.8	32.15	1.08	8.07	0.99
25/09/2025 17:00	14.6	379889.3	29.69	1.27	8.62	1.00

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
25/09/2025 18:00	14.6	375739.3	29.11	1.35	8.85	1.02
25/09/2025 19:00	14.6	376794.6	28.50	1.17	9.21	1.04
25/09/2025 20:00	14.6	376569.8	28.02	1.52	9.41	1.03
25/09/2025 21:00	14.6	373122.4	28.28	1.21	9.39	1.03
25/09/2025 22:00	14.6	372892.0	28.02	1.32	9.31	1.05
25/09/2025 23:00	14.6	371455.5	28.24	1.45	9.22	1.01
26/09/2025 00:00	14.6	370750.1	28.96	1.38	9.60	0.99
26/09/2025 01:00	14.6	379727.2	29.32	1.52	9.49	1.01
26/09/2025 02:00	14.6	379872.3	29.25	1.52	9.69	1.01
26/09/2025 03:00	14.6	379781.2	29.23	1.47	9.79	1.01
26/09/2025 04:00	14.6	379513.8	29.03	1.45	9.74	1.03
26/09/2025 05:00	14.6	379613.4	28.88	1.30	9.60	1.05
26/09/2025 06:00	14.6	379263.5	28.55	1.54	9.57	1.10
26/09/2025 07:00	14.5	365103.9	28.15	1.31	9.82	1.16
26/09/2025 08:00	14.5	337319.3	27.91	1.36	9.88	1.07
26/09/2025 09:00	14.5	377670.6	27.08	1.13	8.49	1.00
26/09/2025 10:00	14.5	375386.6	26.71	1.16	7.98	0.92
26/09/2025 11:00	14.6	376092.0	28.42	0.99	8.02	0.97
26/09/2025 12:00	14.6	286483.4	32.32	1.08	10.72	0.86
26/09/2025 13:00	14.6	374948.5	26.31	1.14	7.90	0.90
26/09/2025 14:00	14.6	380535.0	30.18	1.00	8.04	0.98
26/09/2025 15:00	14.7	378009.1	29.69	0.98	8.32	0.96
26/09/2025 16:00	14.6	357480.8	27.98	0.95	8.46	0.97
26/09/2025 17:00	14.6	367717.9	28.35	1.06	8.40	0.95
26/09/2025 18:00	14.6	366972.7	27.65	1.28	8.77	0.99
26/09/2025 19:00	14.6	370952.1	27.89	1.43	9.13	0.97
26/09/2025 20:00	14.6	375099.3	27.91	1.39	8.59	0.99
26/09/2025 21:00	14.6	371444.2	27.38	1.32	8.61	0.99
26/09/2025 22:00	14.5	371904.9	26.42	1.51	8.59	1.09
26/09/2025 23:00	14.5	370579.4	26.19	1.42	8.95	1.20
27/09/2025 00:00	14.5	363550.8	27.10	1.42	9.55	1.14
27/09/2025 01:00	14.6	382102.3	27.82	1.36	8.98	1.10
27/09/2025 02:00	14.6	380034.4	27.58	1.62	9.36	0.99
27/09/2025 03:00	14.5	376985.1	26.33	1.47	14.33	1.13
27/09/2025 04:00	14.5	376512.9	26.52	1.56	9.23	1.10
27/09/2025 05:00	14.5	376800.3	27.45	1.47	11.75	1.08
27/09/2025 06:00	14.5	376985.1	27.17	1.45	11.04	1.15
27/09/2025 07:00	14.5	363058.7	26.44	1.64	10.60	1.14
27/09/2025 08:00	14.5	335624.1	27.93	1.24	11.07	1.11
27/09/2025 09:00	14.5	375582.8	27.39	1.37	9.59	1.00
27/09/2025 10:00	14.5	372732.7	26.73	1.42	9.08	0.98
27/09/2025 11:00	14.6	375119.2	27.30	1.25	8.97	1.01
27/09/2025 12:00	14.5	287880.1	30.05	1.40	12.33	0.94
27/09/2025 13:00	14.5	373378.4	26.71	1.42	10.84	1.01
27/09/2025 14:00	14.6	374880.4	27.25	1.14	10.23	1.01
27/09/2025 15:00	14.6	372820.9	27.51	1.12	12.21	0.96
27/09/2025 16:00	14.6	372254.8	28.28	1.14	11.02	0.97
27/09/2025 17:00	14.6	369598.1	27.67	1.16	10.41	1.01
27/09/2025 18:00	14.5	365570.4	26.71	1.36	9.88	1.01
27/09/2025 19:00	14.5	369219.8	26.84	1.44	9.66	1.03
27/09/2025 20:00	14.5	369825.7	26.66	1.53	9.73	1.14
27/09/2025 21:00	14.5	368335.2	26.82	1.44	9.86	1.00
27/09/2025 22:00	14.5	367160.4	26.82	1.44	10.46	1.02
27/09/2025 23:00	14.5	365877.6	26.86	1.28	10.27	1.00
28/09/2025 00:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/09/2025 01:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/09/2025 02:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/09/2025 03:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/09/2025 04:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/09/2025 05:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/09/2025 06:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/09/2025 07:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/09/2025 08:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/09/2025 09:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/09/2025 10:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/09/2025 11:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/09/2025 00:00-30/09/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
28/09/2025 12:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/09/2025 13:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/09/2025 14:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/09/2025 15:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/09/2025 16:00	shutdown	shutdown	shutdown	shutdown	shutdown	shutdown
28/09/2025 17:00	15.5	248856.2	48.24	2.00	17.05	1.44
28/09/2025 18:00	14.5	353663.5	25.20	1.19	9.72	1.21
28/09/2025 19:00	14.5	357401.1	26.56	1.31	9.23	1.18
28/09/2025 20:00	14.5	359443.4	26.17	1.39	9.25	1.24
28/09/2025 21:00	14.5	359767.7	26.26	1.33	9.44	1.33
28/09/2025 22:00	14.5	358891.6	25.16	1.54	9.14	1.36
28/09/2025 23:00	14.5	347724.3	27.36	1.44	9.79	1.15
29/09/2025 00:00	14.5	376891.3	28.48	1.46	9.51	1.03
29/09/2025 01:00	14.5	374846.2	28.65	1.29	9.83	1.11
29/09/2025 02:00	14.5	374914.4	28.65	1.39	10.00	1.11
29/09/2025 03:00	14.5	374410.9	28.50	1.52	9.88	1.13
29/09/2025 04:00	14.5	374672.6	28.80	1.20	9.65	1.15
29/09/2025 05:00	14.5	375554.4	29.24	1.39	9.65	1.09
29/09/2025 06:00	14.5	374874.6	29.35	1.46	9.88	1.11
29/09/2025 07:00	14.5	361571.1	28.97	1.26	10.09	1.15
29/09/2025 08:00	14.5	334116.5	28.98	1.24	10.43	1.09
29/09/2025 09:00	14.5	375016.8	29.75	1.29	9.46	1.09
29/09/2025 10:00	Calibrate	373108.3	Calibrate	Calibrate	Calibrate	Calibrate
29/09/2025 11:00	14.6	371156.9	31.07	1.15	8.43	1.01
29/09/2025 12:00	14.6	282885.2	32.74	1.00	10.47	0.93
29/09/2025 13:00	14.6	372530.7	30.65	1.13	8.42	1.02
29/09/2025 14:00	14.6	374760.8	32.17	1.17	8.27	1.04
29/09/2025 15:00	14.6	374917.2	31.87	1.15	8.12	1.04
29/09/2025 16:00	14.5	374061.0	27.47	1.11	8.03	1.03
29/09/2025 17:00	14.6	374152.1	29.36	1.19	8.95	1.01
29/09/2025 18:00	14.6	370295.0	28.81	1.34	9.28	1.05
29/09/2025 19:00	14.6	372280.4	29.18	1.23	9.54	1.03
29/09/2025 20:00	14.5	371646.1	29.18	1.20	9.59	1.03
29/09/2025 21:00	14.5	366676.9	28.87	1.51	9.56	1.00
29/09/2025 22:00	14.5	368127.5	29.50	1.36	9.70	1.03
29/09/2025 23:00	14.5	366449.3	29.57	1.27	9.86	1.05
30/09/2025 00:00	14.5	358629.9	28.97	1.13	10.42	1.17
30/09/2025 01:00	14.5	376029.4	28.56	1.32	10.25	1.17
30/09/2025 02:00	14.5	375281.3	28.08	1.44	10.25	1.26
30/09/2025 03:00	14.5	375602.7	28.19	1.37	11.03	1.20
30/09/2025 04:00	14.5	376131.8	29.06	1.37	10.63	1.09
30/09/2025 05:00	14.5	376191.5	29.00	1.44	10.87	1.11
30/09/2025 06:00	14.5	375915.6	28.61	1.46	11.50	1.07
30/09/2025 07:00	14.5	361699.1	28.02	1.32	11.89	1.08
30/09/2025 08:00	14.5	336064.9	27.21	1.34	11.51	1.00
30/09/2025 09:00	14.5	374140.7	28.00	1.27	9.95	1.00
30/09/2025 10:00	14.6	373532.0	30.23	1.26	9.30	0.99
30/09/2025 11:00	14.6	374840.4	30.94	0.99	8.64	1.02
30/09/2025 12:00	14.6	285359.9	32.15	0.91	10.43	0.93
30/09/2025 13:00	14.5	371791.2	27.60	1.05	8.50	0.96
30/09/2025 14:00	14.6	375147.6	31.08	1.11	8.76	1.02
30/09/2025 15:00	14.6	376993.7	31.16	1.20	8.59	1.02
30/09/2025 16:00	14.6	374254.5	30.15	1.19	8.89	1.01
30/09/2025 17:00	14.6	374501.9	30.33	1.21	8.83	1.01
30/09/2025 18:00	14.6	370496.9	29.73	1.21	8.92	1.07
30/09/2025 19:00	14.6	371765.6	29.46	1.09	10.29	1.05
30/09/2025 20:00	14.5	371594.9	29.09	1.31	10.54	1.05
30/09/2025 21:00	14.5	367055.2	28.24	1.42	10.72	1.05
30/09/2025 22:00	14.5	367979.6	27.95	1.41	10.96	1.07
30/09/2025 23:00	14.5	366585.8	27.73	1.39	11.34	1.11
Minimum	14.28	248,856.20	18.87	0.80	6.74	0.82
Maximum	15.48	387,094.30	48.24	2.00	22.84	1.79
Avg	14.52	360,253.57	27.44	1.37	10.06	1.06
SUM						
STD			STD = 60	STD = 6	STD = 28	STD = 690

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
01/10/2025 00:00	shut down	shut down	shut down	shut down	shut down	shut down
01/10/2025 01:00	shut down	shut down	shut down	shut down	shut down	shut down
01/10/2025 02:00	shut down	shut down	shut down	shut down	shut down	shut down
01/10/2025 03:00	shut down	shut down	shut down	shut down	shut down	shut down
01/10/2025 04:00	shut down	shut down	shut down	shut down	shut down	shut down
01/10/2025 05:00	shut down	shut down	shut down	shut down	shut down	shut down
01/10/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
01/10/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
01/10/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
01/10/2025 09:00	15.0	307651.2	50.48	0.26	13.01	2.23
01/10/2025 10:00	15.0	356078.5	49.65	0.26	9.67	1.60
01/10/2025 11:00	15.0	353077.6	48.22	0.16	8.34	1.43
01/10/2025 12:00	14.9	284704.3	50.16	0.19	8.14	1.30
01/10/2025 13:00	14.9	332899.8	48.93	0.30	8.30	1.21
01/10/2025 14:00	14.9	356377.1	48.20	0.61	7.92	1.16
01/10/2025 15:00	14.9	358610.0	47.85	0.86	8.03	1.16
01/10/2025 16:00	15.0	359747.8	48.30	1.19	8.73	1.05
01/10/2025 17:00	15.0	358226.0	48.30	1.59	8.52	0.98
01/10/2025 18:00	15.0	355145.5	45.81	1.82	8.15	1.19
01/10/2025 19:00	15.0	356345.8	45.43	2.11	7.97	1.03
01/10/2025 20:00	15.0	356533.6	44.30	2.23	7.62	1.03
01/10/2025 21:00	14.9	349874.7	40.56	2.42	8.10	0.91
01/10/2025 22:00	14.9	349365.6	39.79	2.49	8.34	0.91
01/10/2025 23:00	14.9	332445.1	39.35	2.72	8.21	0.86
02/10/2025 00:00	14.9	334327.0	35.06	2.79	8.48	0.90
02/10/2025 01:00	14.9	335601.3	34.70	2.92	9.62	0.87
02/10/2025 02:00	14.9	333283.1	34.46	3.03	8.32	0.94
02/10/2025 03:00	14.8	331496.8	33.57	3.14	8.27	0.98
02/10/2025 04:00	14.8	328680.8	32.82	3.13	8.35	1.03
02/10/2025 05:00	14.8	322235.3	31.58	3.12	9.12	1.07
02/10/2025 06:00	14.8	323378.7	31.15	3.24	10.35	1.07
02/10/2025 07:00	14.9	333055.5	33.25	3.22	9.76	0.99
02/10/2025 08:00	14.9	336761.8	35.03	3.15	8.32	0.86
02/10/2025 09:00	14.9	316835.4	41.26	3.03	7.53	0.79
02/10/2025 10:00	15.0	355040.3	40.97	3.04	7.61	0.77
02/10/2025 11:00	15.0	355560.8	41.44	3.32	7.25	0.75
02/10/2025 12:00	14.9	282634.0	42.02	3.26	7.24	0.76
02/10/2025 13:00	14.8	332840.0	36.72	3.15	7.80	0.66
02/10/2025 14:00	14.8	362660.5	37.62	3.28	7.55	0.64
02/10/2025 15:00	14.9	361491.4	38.70	3.20	8.30	0.71
02/10/2025 16:00	14.9	359306.9	41.26	3.31	8.93	0.83
02/10/2025 17:00	14.9	355031.7	37.87	3.42	9.65	0.85
02/10/2025 18:00	14.9	350290.0	36.31	3.31	10.59	0.85
02/10/2025 19:00	14.9	352434.7	36.69	3.53	10.78	0.95
02/10/2025 20:00	14.9	352466.0	36.52	3.70	10.01	0.90
02/10/2025 21:00	14.9	348765.4	36.33	3.68	9.96	0.86
02/10/2025 22:00	14.9	348651.6	35.49	3.69	9.19	0.92
02/10/2025 23:00	14.9	331125.2	35.81	3.60	10.21	0.92
03/10/2025 00:00	14.8	332415.5	30.68	3.75	10.10	0.98
03/10/2025 01:00	14.8	333297.3	30.93	3.65	9.59	1.10
03/10/2025 02:00	14.8	333539.1	30.81	3.70	9.24	1.30
03/10/2025 03:00	14.8	331434.2	29.87	3.91	9.65	1.32
03/10/2025 04:00	14.8	328359.3	31.66	3.77	13.95	0.73
03/10/2025 05:00	14.8	318176.3	33.09	4.09	12.72	0.75
03/10/2025 06:00	14.8	319197.4	32.29	4.06	13.67	0.77
03/10/2025 07:00	14.8	328109.0	31.76	3.84	12.67	0.82
03/10/2025 08:00	14.9	332210.7	32.56	3.77	10.63	0.78
03/10/2025 09:00	14.9	321209.4	37.95	3.68	10.36	0.85
03/10/2025 10:00	14.9	353194.2	36.10	3.56	12.79	0.80
03/10/2025 11:00	14.9	350489.1	33.92	3.66	11.09	0.62
03/10/2025 12:00	14.9	279365.3	37.89	3.69	10.25	0.62
03/10/2025 13:00	14.9	329372.5	36.96	3.70	9.46	0.58
03/10/2025 14:00	14.9	354832.6	37.91	3.58	8.91	0.60
03/10/2025 15:00	14.9	354935.0	39.39	3.65	9.24	0.62
03/10/2025 16:00	14.9	355879.3	39.25	3.68	9.78	0.60
03/10/2025 17:00	14.9	352793.1	38.49	3.42	11.15	0.67

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
03/10/2025 18:00	14.9	349800.8	37.24	3.52	10.27	0.69
03/10/2025 19:00	14.9	353344.9	38.03	3.50	9.49	0.67
03/10/2025 20:00	14.9	353637.9	39.03	3.81	10.04	0.65
03/10/2025 21:00	14.9	348964.5	36.06	3.79	12.03	0.67
03/10/2025 22:00	14.9	351305.5	36.05	3.85	11.26	0.70
03/10/2025 23:00	14.9	331448.3	35.00	3.66	10.22	0.74
04/10/2025 00:00	14.9	332372.9	32.72	4.07	10.02	0.78
04/10/2025 01:00	14.8	334019.8	34.40	4.08	10.53	0.85
04/10/2025 02:00	14.8	334122.2	34.43	4.11	10.21	0.80
04/10/2025 03:00	14.8	330452.9	33.15	3.89	10.13	0.75
04/10/2025 04:00	14.8	328817.3	31.91	3.86	10.61	0.84
04/10/2025 05:00	14.8	323791.2	29.71	4.07	12.51	0.93
04/10/2025 06:00	14.8	323216.6	28.96	3.99	15.24	1.04
04/10/2025 07:00	14.8	334546.0	30.47	3.91	17.38	0.96
04/10/2025 08:00	14.9	342476.3	32.20	3.94	15.10	0.88
04/10/2025 09:00	14.9	315711.8	34.96	4.25	11.87	0.74
04/10/2025 10:00	14.9	357258.9	34.28	4.03	9.47	0.65
04/10/2025 11:00	14.9	354605.0	34.69	4.14	10.66	0.53
04/10/2025 12:00	14.8	285283.9	39.70	4.13	11.38	0.55
04/10/2025 13:00	14.9	334483.2	38.53	4.11	11.81	0.64
04/10/2025 14:00	14.8	354351.9	35.24	4.35	9.41	0.55
04/10/2025 15:00	14.8	349940.2	34.84	4.23	10.61	0.62
04/10/2025 16:00	14.8	351137.7	35.37	4.06	9.93	0.64
04/10/2025 17:00	14.8	348700.0	33.95	4.13	10.78	0.67
04/10/2025 18:00	14.8	345750.3	32.91	4.10	11.04	0.69
04/10/2025 19:00	14.9	348247.7	34.24	4.19	10.68	0.74
04/10/2025 20:00	14.9	348307.4	33.80	4.04	12.13	0.85
04/10/2025 21:00	14.9	345980.7	34.04	4.03	11.09	0.85
04/10/2025 22:00	14.9	346518.3	36.42	4.03	9.27	0.78
04/10/2025 23:00	14.8	326594.1	35.07	4.17	9.31	0.76
05/10/2025 00:00	14.8	324721.3	30.73	4.02	9.83	0.86
05/10/2025 01:00	14.8	324479.5	30.36	3.85	11.77	0.98
05/10/2025 02:00	14.8	324937.5	29.93	3.90	13.27	1.00
05/10/2025 03:00	14.8	324215.0	29.00	3.98	16.32	0.97
05/10/2025 04:00	14.7	322417.3	28.77	3.88	11.91	1.06
05/10/2025 05:00	14.7	313053.4	30.68	3.96	11.06	1.08
05/10/2025 06:00	14.7	305874.0	31.98	3.94	13.59	1.15
05/10/2025 07:00	14.7	298438.6	33.68	3.78	11.96	0.99
05/10/2025 08:00	14.7	293642.9	34.38	3.96	9.80	0.77
05/10/2025 09:00	14.7	289976.4	35.32	3.87	8.72	0.68
05/10/2025 10:00	14.8	289521.3	36.28	3.44	8.16	0.68
05/10/2025 11:00	14.8	292277.6	35.46	3.47	7.98	0.66
05/10/2025 12:00	14.8	297391.9	34.59	3.48	7.90	0.66
05/10/2025 13:00	14.8	294797.8	34.61	3.76	7.99	0.61
05/10/2025 14:00	14.7	293227.6	35.77	3.54	7.97	0.63
05/10/2025 15:00	14.7	297599.5	33.04	3.67	8.84	0.70
05/10/2025 16:00	14.7	298620.7	32.25	3.66	10.19	0.67
05/10/2025 17:00	14.7	293736.7	33.35	3.46	10.76	0.72
05/10/2025 18:00	14.9	285772.0	34.00	3.64	11.89	0.55
05/10/2025 19:00	14.8	325566.1	28.07	3.97	13.54	0.68
05/10/2025 20:00	14.8	324991.5	28.34	3.79	17.10	0.77
05/10/2025 21:00	14.8	325239.0	28.39	3.82	18.54	0.84
05/10/2025 22:00	14.8	307169.2	31.18	3.81	18.60	0.91
05/10/2025 23:00	14.7	302366.8	31.46	3.77	18.55	0.86
06/10/2025 00:00	14.7	301559.0	31.45	3.76	19.46	0.74
06/10/2025 01:00	14.7	302280.3	31.09	3.90	18.95	0.70
06/10/2025 02:00	14.7	301004.3	33.55	3.95	9.91	0.54
06/10/2025 03:00	14.7	298791.3	33.88	4.08	10.23	0.56
06/10/2025 04:00	14.8	299158.3	34.48	3.87	10.78	0.59
06/10/2025 05:00	14.8	298361.8	34.60	4.24	9.68	0.57
06/10/2025 06:00	14.8	303316.9	33.74	4.21	9.21	0.59
06/10/2025 07:00	14.9	326615.7	30.96	4.26	9.59	0.55
06/10/2025 08:00	14.9	334053.9	32.01	4.40	8.94	0.49
06/10/2025 09:00	15.0	314652.5	39.74	3.89	8.45	0.40
06/10/2025 10:00	14.9	353606.6	38.53	2.18	8.13	1.29
06/10/2025 11:00	14.8	353174.3	41.11	1.21	7.84	1.71

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
06/10/2025 12:00	14.8	281891.2	42.27	1.27	7.75	1.68
06/10/2025 13:00	14.7	328438.1	35.56	1.29	7.79	1.63
06/10/2025 14:00	14.7	355939.1	39.93	1.21	8.05	1.73
06/10/2025 15:00	14.7	355193.8	40.55	1.39	7.77	1.75
06/10/2025 16:00	14.7	355045.9	41.57	1.19	8.03	1.82
06/10/2025 17:00	14.7	354209.7	34.17	1.12	7.49	1.74
06/10/2025 18:00	14.8	356163.8	37.37	1.43	7.55	1.84
06/10/2025 19:00	14.8	358029.8	38.45	1.00	7.63	1.93
06/10/2025 20:00	14.8	356911.9	37.51	1.11	7.87	1.89
06/10/2025 21:00	14.8	349971.4	35.00	1.27	8.58	1.79
06/10/2025 22:00	14.7	350278.6	34.32	1.24	8.96	1.76
06/10/2025 23:00	14.7	330940.5	33.28	1.35	9.03	1.75
07/10/2025 00:00	14.7	330794.2	30.35	1.48	9.09	1.77
07/10/2025 01:00	14.7	331508.2	30.94	1.35	9.21	1.82
07/10/2025 02:00	14.7	329588.2	30.60	1.52	9.00	1.77
07/10/2025 03:00	14.7	326840.4	30.41	1.32	8.94	1.81
07/10/2025 04:00	14.7	326775.0	29.74	1.58	8.99	1.78
07/10/2025 05:00	14.7	321714.7	29.03	1.67	9.16	1.76
07/10/2025 06:00	14.7	322223.9	28.85	1.63	9.08	1.78
07/10/2025 07:00	14.7	331852.3	30.92	1.32	9.05	1.86
07/10/2025 08:00	14.7	330125.8	31.67	1.37	8.47	1.87
07/10/2025 09:00	14.8	312082.7	35.76	1.29	8.43	1.72
07/10/2025 10:00	14.8	352400.6	34.15	1.09	7.55	1.68
07/10/2025 11:00	14.8	353134.5	37.46	1.10	7.74	1.69
07/10/2025 12:00	14.8	281705.2	39.79	1.21	7.58	1.68
07/10/2025 13:00	14.8	332160.1	38.66	1.25	8.21	1.66
07/10/2025 14:00	14.8	356234.9	38.47	1.47	8.43	1.65
07/10/2025 15:00	14.7	356522.2	40.87	1.56	8.08	1.67
07/10/2025 16:00	14.8	357694.1	41.59	1.18	7.78	1.72
07/10/2025 17:00	14.8	357694.1	39.76	1.44	8.26	1.73
07/10/2025 18:00	14.8	353768.8	37.34	1.42	8.58	1.76
07/10/2025 19:00	14.8	354696.1	36.15	1.57	8.42	1.64
07/10/2025 20:00	14.8	352036.5	35.32	1.52	9.64	1.68
07/10/2025 21:00	14.8	346265.1	33.29	1.65	9.88	1.70
07/10/2025 22:00	14.8	348267.6	32.92	1.83	10.03	1.70
07/10/2025 23:00	14.7	328310.8	32.73	1.62	9.24	1.76
08/10/2025 00:00	14.7	329895.3	29.41	1.79	8.77	1.79
08/10/2025 01:00	14.7	329610.9	29.59	1.70	8.71	1.84
08/10/2025 02:00	14.7	327585.7	28.54	1.74	10.63	1.98
08/10/2025 03:00	14.7	325847.7	27.58	1.89	16.79	1.91
08/10/2025 04:00	14.6	325304.4	26.85	1.98	19.92	1.91
08/10/2025 05:00	14.6	319567.2	26.80	1.95	17.68	1.93
08/10/2025 06:00	14.6	320170.2	26.36	2.04	11.08	1.93
08/10/2025 07:00	14.7	331741.4	27.26	2.08	12.85	1.94
08/10/2025 08:00	14.7	332367.2	30.00	1.51	10.73	1.93
08/10/2025 09:00	14.8	310320.3	35.16	2.00	8.20	1.79
08/10/2025 10:00	14.8	355156.9	34.46	2.19	8.24	1.67
08/10/2025 11:00	14.8	349692.7	36.72	1.77	8.46	1.71
08/10/2025 12:00	14.9	278611.4	41.88	1.66	8.03	1.63
08/10/2025 13:00	14.8	329187.7	39.64	1.49	8.92	1.65
08/10/2025 14:00	14.9	353057.7	38.82	1.59	9.00	1.66
08/10/2025 15:00	14.9	356692.9	40.60	1.29	8.77	1.68
08/10/2025 16:00	14.9	358035.4	40.69	1.52	9.13	1.66
08/10/2025 17:00	14.9	355996.0	40.02	1.22	9.22	1.75
08/10/2025 18:00	14.9	352409.1	36.97	1.40	8.62	1.79
08/10/2025 19:00	14.9	354610.7	36.78	1.31	7.97	1.91
08/10/2025 20:00	14.9	353128.8	36.04	1.40	8.10	1.96
08/10/2025 21:00	14.8	347840.9	33.82	1.35	9.46	2.06
08/10/2025 22:00	14.8	347380.2	31.83	1.46	11.01	1.98
08/10/2025 23:00	14.8	328984.8	32.82	1.35	14.11	1.83
09/10/2025 00:00	14.8	328180.2	30.07	1.43	14.35	1.70
09/10/2025 01:00	14.7	328404.9	29.70	1.62	14.26	1.67
09/10/2025 02:00	14.7	325241.8	30.36	1.39	14.21	1.71
09/10/2025 03:00	14.7	321544.1	30.36	1.48	14.19	1.82
09/10/2025 04:00	14.7	322957.8	28.99	1.68	14.17	1.77
09/10/2025 05:00	14.7	317769.5	30.02	1.66	12.09	1.81

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
09/10/2025 06:00	14.7	316674.4	30.02	1.70	13.34	1.79
09/10/2025 07:00	14.8	327013.9	29.61	1.65	12.84	1.85
09/10/2025 08:00	14.8	326888.8	30.61	1.59	19.43	1.77
09/10/2025 09:00	14.8	313159.3	37.00	1.40	11.54	1.74
09/10/2025 10:00	14.9	353674.9	35.58	1.40	10.75	1.68
09/10/2025 11:00	14.9	349376.9	35.46	1.20	9.30	1.73
09/10/2025 12:00	14.9	282073.5	38.78	1.31	8.18	1.70
09/10/2025 13:00	14.8	333852.6	37.73	1.40	8.26	1.63
09/10/2025 14:00	14.9	357989.9	37.79	1.22	8.59	1.68
09/10/2025 15:00	14.9	357304.4	38.21	1.13	8.36	1.70
09/10/2025 16:00	14.8	355532.3	37.43	1.24	8.40	1.72
09/10/2025 17:00	14.8	351296.9	35.71	1.12	8.92	1.81
09/10/2025 18:00	14.8	348094.1	33.63	1.28	9.75	1.85
09/10/2025 19:00	14.8	349829.2	33.22	1.44	10.14	1.94
09/10/2025 20:00	14.8	350278.6	33.49	1.55	10.17	1.81
09/10/2025 21:00	14.8	346344.8	33.10	1.39	9.90	1.92
09/10/2025 22:00	14.8	347351.7	33.57	1.47	9.69	1.99
09/10/2025 23:00	14.8	327828.8	31.55	1.82	9.04	1.91
10/10/2025 00:00	14.8	324385.7	28.77	1.54	8.16	2.03
10/10/2025 01:00	14.7	324129.7	27.58	1.41	8.71	2.20
10/10/2025 02:00	14.7	323210.9	27.60	1.62	8.75	2.27
10/10/2025 03:00	14.7	320181.6	26.45	1.98	8.53	2.11
10/10/2025 04:00	14.7	318577.3	27.55	1.45	11.55	2.15
10/10/2025 05:00	14.7	312504.4	29.00	1.52	15.97	2.12
10/10/2025 06:00	14.7	312066.4	29.07	1.65	15.80	2.12
10/10/2025 07:00	14.7	317815.0	28.34	1.67	10.13	1.99
10/10/2025 08:00	14.8	317180.7	30.23	1.38	8.39	1.97
10/10/2025 09:00	14.9	310845.0	39.07	1.18	7.54	1.75
10/10/2025 10:00	14.9	349362.7	37.01	1.13	8.01	1.75
10/10/2025 11:00	14.9	347804.0	37.32	1.39	7.83	1.71
10/10/2025 12:00	14.9	279055.1	41.05	1.48	7.09	1.66
10/10/2025 13:00	14.9	327921.8	39.62	1.41	7.50	1.66
10/10/2025 14:00	14.9	353689.1	40.06	1.34	7.42	1.71
10/10/2025 15:00	14.8	349587.4	36.85	1.38	13.15	1.66
10/10/2025 16:00	14.8	347215.2	34.60	1.68	10.01	1.66
10/10/2025 17:00	14.8	343909.9	34.98	1.49	9.33	1.74
10/10/2025 18:00	14.8	341773.8	32.89	1.71	9.52	1.89
10/10/2025 19:00	14.8	345039.2	32.78	1.74	9.88	1.87
10/10/2025 20:00	14.8	346094.5	33.34	1.60	10.14	1.99
10/10/2025 21:00	14.8	341418.2	32.68	1.63	9.78	1.97
10/10/2025 22:00	14.8	340621.8	32.23	1.72	9.73	1.90
10/10/2025 23:00	14.8	317379.4	31.86	1.62	10.21	2.07
11/10/2025 00:00	14.7	308234.9	29.32	1.70	10.54	2.11
11/10/2025 01:00	14.7	306033.3	29.27	1.70	10.93	2.28
11/10/2025 02:00	14.7	302739.4	30.25	1.61	10.15	2.03
11/10/2025 03:00	14.7	299920.6	30.68	1.78	9.04	1.99
11/10/2025 04:00	14.7	296948.2	31.28	1.94	9.22	2.00
11/10/2025 05:00	14.7	291017.5	32.56	1.67	9.21	2.02
11/10/2025 06:00	14.7	290883.8	32.34	1.80	8.81	2.09
11/10/2025 07:00	14.7	295676.7	31.67	1.77	8.62	2.10
11/10/2025 08:00	14.7	295033.8	31.52	1.84	7.89	2.02
11/10/2025 09:00	14.8	291399.8	32.89	1.42	7.71	1.86
11/10/2025 10:00	14.8	325523.4	29.46	1.44	8.07	1.82
11/10/2025 11:00	14.8	324493.8	30.46	1.55	7.76	1.77
11/10/2025 12:00	14.9	264430.3	37.04	1.47	7.52	1.65
11/10/2025 13:00	14.8	301193.8	30.81	1.49	7.81	1.77
11/10/2025 14:00	14.7	330558.1	29.40	1.40	9.00	1.81
11/10/2025 15:00	14.7	327861.6	29.92	1.62	8.24	1.71
11/10/2025 16:00	14.7	324661.6	27.87	2.02	10.87	1.73
11/10/2025 17:00	14.7	321199.9	27.17	2.09	8.62	1.73
11/10/2025 18:00	14.7	320329.5	27.55	1.94	8.94	1.78
11/10/2025 19:00	14.7	322138.6	27.98	1.81	13.61	1.81
11/10/2025 20:00	14.8	321714.7	28.05	1.83	13.38	1.81
11/10/2025 21:00	14.8	319410.7	28.21	1.83	9.38	1.83
11/10/2025 22:00	14.8	319786.2	28.23	1.79	9.21	1.81
11/10/2025 23:00	14.8	300501.8	30.94	1.94	10.10	1.83

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
12/10/2025 00:00	14.7	291526.6	33.14	1.97	11.35	1.83
12/10/2025 01:00	14.7	292422.6	33.34	1.94	12.18	1.81
12/10/2025 02:00	14.7	292277.6	32.91	2.07	11.36	1.85
12/10/2025 03:00	14.7	291444.2	33.30	1.83	12.34	1.87
12/10/2025 04:00	14.6	287655.3	34.15	1.84	15.48	1.91
12/10/2025 05:00	14.6	281519.9	35.55	1.75	13.88	1.93
12/10/2025 06:00	14.6	281303.7	34.75	2.07	15.79	1.98
12/10/2025 07:00	14.7	278783.5	35.07	1.85	12.47	2.07
12/10/2025 08:00	14.7	278567.3	36.32	1.73	8.95	1.97
12/10/2025 09:00	14.8	273154.4	36.48	1.83	8.41	1.90
12/10/2025 10:00	14.8	273174.3	36.90	1.79	7.90	1.86
12/10/2025 11:00	14.8	273175.7	36.97	1.63	7.79	1.83
12/10/2025 12:00	14.8	270127.9	35.96	1.97	7.93	1.74
12/10/2025 13:00	14.7	272119.0	36.02	1.91	7.66	1.77
12/10/2025 14:00	14.7	276826.6	36.10	1.85	7.78	1.78
12/10/2025 15:00	14.7	277355.6	35.78	1.85	8.45	1.80
12/10/2025 16:00	14.7	277782.3	36.37	1.94	8.66	1.78
12/10/2025 17:00	14.7	274286.5	37.41	1.98	8.94	1.77
12/10/2025 18:00	14.9	276346.8	35.09	2.13	9.55	1.64
12/10/2025 19:00	14.7	310207.4	29.94	1.94	10.40	1.81
12/10/2025 20:00	14.8	310604.3	30.15	1.88	9.88	1.90
12/10/2025 21:00	14.8	310490.6	29.70	2.01	9.33	1.90
12/10/2025 22:00	14.8	288934.6	32.62	1.98	8.76	1.89
12/10/2025 23:00	14.7	276021.6	35.89	2.05	8.00	1.91
13/10/2025 00:00	14.7	274388.9	35.35	2.14	8.25	1.94
13/10/2025 01:00	14.7	274519.8	34.38	2.09	9.48	2.07
13/10/2025 02:00	14.7	273674.9	33.86	2.31	8.83	2.13
13/10/2025 03:00	14.7	273003.6	34.77	2.25	8.68	2.00
13/10/2025 04:00	14.7	271072.3	35.68	2.12	8.38	1.96
13/10/2025 05:00	14.8	267127.0	36.78	2.34	8.55	1.95
13/10/2025 06:00	14.8	265943.7	38.80	2.26	8.49	1.89
13/10/2025 07:00	14.8	264467.2	39.13	2.18	8.37	1.88
13/10/2025 08:00	14.9	264630.7	38.51	2.34	8.25	1.84
13/10/2025 09:00	14.9	311532.2	37.37	2.09	8.53	1.81
13/10/2025 10:00	15.0	358797.8	36.47	2.17	9.23	1.78
13/10/2025 11:00	14.9	354858.2	36.37	2.03	7.99	1.75
13/10/2025 12:00	14.9	275839.8	38.95	1.93	7.29	1.70
13/10/2025 13:00	14.8	292386.1	31.46	1.90	7.18	1.78
13/10/2025 14:00	14.8	314296.4	27.78	2.19	7.07	1.74
13/10/2025 15:00	14.7	313107.4	29.72	1.96	8.76	1.74
13/10/2025 16:00	14.7	311230.1	30.11	2.20	11.41	1.73
13/10/2025 17:00	14.7	308985.8	30.25	2.36	9.84	1.75
13/10/2025 18:00	14.7	309344.3	30.66	2.41	14.10	1.73
13/10/2025 19:00	14.7	309241.8	30.53	2.52	18.29	1.76
13/10/2025 20:00	14.7	309284.5	30.60	2.41	16.20	1.76
13/10/2025 21:00	14.7	310234.6	29.49	2.55	14.01	1.74
13/10/2025 22:00	14.7	311210.2	29.02	2.48	11.26	1.78
13/10/2025 23:00	14.8	288340.1	32.26	2.64	12.65	1.77
14/10/2025 00:00	14.8	270921.5	35.84	2.47	14.22	1.90
14/10/2025 01:00	14.8	270605.8	35.17	2.80	12.77	1.99
14/10/2025 02:00	14.8	270429.4	35.63	2.74	9.58	1.95
14/10/2025 03:00	14.8	270008.4	35.60	2.69	9.67	1.90
14/10/2025 04:00	14.7	270497.7	35.27	2.66	12.16	1.94
14/10/2025 05:00	14.8	270725.2	36.23	2.64	14.96	1.88
14/10/2025 06:00	14.7	276431.2	35.52	2.43	14.93	1.89
14/10/2025 07:00	14.7	292559.2	32.70	2.61	11.25	1.87
14/10/2025 08:00	14.8	310223.2	29.05	2.63	8.95	1.79
14/10/2025 09:00	14.9	298654.8	32.54	2.34	8.81	1.64
14/10/2025 10:00	14.9	335490.4	31.21	2.03	8.37	1.68
14/10/2025 11:00	14.9	336747.6	31.65	2.24	10.10	1.66
14/10/2025 12:00	15.0	271703.6	36.05	2.20	8.92	1.52
14/10/2025 13:00	14.9	317625.0	31.61	2.60	8.71	1.54
14/10/2025 14:00	14.8	339233.7	30.91	2.70	9.92	1.60
14/10/2025 15:00	14.8	335422.1	30.17	2.66	8.96	1.66
14/10/2025 16:00	14.8	333675.6	28.50	3.02	8.65	1.66
14/10/2025 17:00	14.8	332998.6	28.46	2.84	8.26	1.71

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
14/10/2025 18:00	14.8	332355.8	28.98	2.64	9.98	1.71
14/10/2025 19:00	14.8	335939.8	29.51	2.70	8.73	1.69
14/10/2025 20:00	14.8	336505.8	28.97	3.10	8.69	1.63
14/10/2025 21:00	14.8	333644.3	28.69	2.94	9.04	1.72
14/10/2025 22:00	14.8	334887.3	28.72	2.80	8.74	1.74
14/10/2025 23:00	14.8	315374.2	29.17	3.03	8.27	1.75
15/10/2025 00:00	14.8	311272.8	28.30	2.80	9.90	1.85
15/10/2025 01:00	14.7	312441.8	27.57	2.93	8.62	1.87
15/10/2025 02:00	14.7	311360.9	27.98	2.87	8.55	2.08
15/10/2025 03:00	14.8	309850.6	28.48	2.94	15.50	1.81
15/10/2025 04:00	14.8	309987.1	28.37	2.87	16.84	1.83
15/10/2025 05:00	14.7	306431.5	28.57	3.09	16.68	1.83
15/10/2025 06:00	14.8	306707.4	29.34	2.85	15.57	1.88
15/10/2025 07:00	14.8	317985.7	26.93	2.96	12.87	1.85
15/10/2025 08:00	14.8	321945.1	27.41	2.70	9.98	1.85
15/10/2025 09:00	14.9	311270.4	34.02	2.53	9.14	1.72
15/10/2025 10:00	14.9	346970.6	33.70	2.45	8.61	1.66
15/10/2025 11:00	14.9	342254.5	32.89	2.67	8.32	1.63
15/10/2025 12:00	15.0	274044.6	36.72	2.48	7.78	1.59
15/10/2025 13:00	15.0	323995.1	35.98	2.66	7.92	1.61
15/10/2025 14:00	15.0	350315.6	36.84	2.57	7.92	1.64
15/10/2025 15:00	14.9	351410.7	35.34	2.77	8.01	1.61
15/10/2025 16:00	14.9	350574.5	34.72	2.68	8.20	1.75
15/10/2025 17:00	14.9	348142.5	34.01	2.84	8.60	1.60
15/10/2025 18:00	14.9	344518.6	31.36	3.09	9.84	1.59
15/10/2025 19:00	14.9	346666.2	31.64	3.08	16.65	1.57
15/10/2025 20:00	14.9	346461.4	32.19	2.98	13.85	1.67
15/10/2025 21:00	14.9	341807.9	31.45	3.07	15.67	1.60
15/10/2025 22:00	14.9	342226.0	32.10	2.84	17.04	1.63
15/10/2025 23:00	shut down	shut down	shut down	shut down	shut down	shut down
16/10/2025 00:00	shut down	shut down	shut down	shut down	shut down	shut down
16/10/2025 01:00	shut down	shut down	shut down	shut down	shut down	shut down
16/10/2025 02:00	shut down	shut down	shut down	shut down	shut down	shut down
16/10/2025 03:00	shut down	shut down	shut down	shut down	shut down	shut down
16/10/2025 04:00	shut down	shut down	shut down	shut down	shut down	shut down
16/10/2025 05:00	shut down	shut down	shut down	shut down	shut down	shut down
16/10/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
16/10/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
16/10/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
16/10/2025 09:00	14.9	294028.0	37.55	2.47	12.31	3.82
16/10/2025 10:00	14.9	349024.3	37.55	2.45	9.98	2.75
16/10/2025 11:00	14.9	347727.2	37.36	2.48	9.05	2.25
16/10/2025 12:00	14.9	279110.7	39.98	2.51	8.54	2.00
16/10/2025 13:00	14.9	329386.8	39.64	2.59	8.66	1.88
16/10/2025 14:00	14.9	352690.7	41.45	2.45	8.33	1.83
16/10/2025 15:00	14.9	354522.6	38.70	2.59	8.40	1.78
16/10/2025 16:00	14.9	352776.1	37.42	2.59	8.90	1.78
16/10/2025 17:00	14.9	349172.2	35.10	2.75	8.68	1.75
16/10/2025 18:00	14.9	345847.0	33.00	2.81	9.14	1.73
16/10/2025 19:00	14.9	350093.8	33.41	2.79	10.90	1.73
16/10/2025 20:00	14.9	351484.7	33.72	2.73	12.95	1.73
16/10/2025 21:00	14.9	346012.0	32.60	2.84	11.01	1.66
16/10/2025 22:00	14.9	347021.8	32.16	2.96	12.10	1.62
16/10/2025 23:00	shut down	shut down	shut down	shut down	shut down	shut down
17/10/2025 00:00	shut down	shut down	shut down	shut down	shut down	shut down
17/10/2025 01:00	shut down	shut down	shut down	shut down	shut down	shut down
17/10/2025 02:00	shut down	shut down	shut down	shut down	shut down	shut down
17/10/2025 03:00	shut down	shut down	shut down	shut down	shut down	shut down
17/10/2025 04:00	shut down	shut down	shut down	shut down	shut down	shut down
17/10/2025 05:00	shut down	shut down	shut down	shut down	shut down	shut down
17/10/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
17/10/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
17/10/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
17/10/2025 09:00	15.1	293809.0	52.32	2.64	9.42	3.74
17/10/2025 10:00	15.0	351692.3	40.36	2.72	8.34	2.61
17/10/2025 11:00	15.0	347010.4	40.32	2.53	8.09	2.20

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
17/10/2025 12:00	15.0	277011.3	42.68	2.53	7.49	1.94
17/10/2025 13:00	14.9	328128.1	41.84	2.82	8.36	1.82
17/10/2025 14:00	14.9	350127.9	37.39	2.51	8.14	1.68
17/10/2025 15:00	14.8	345337.8	36.70	2.66	10.30	1.61
17/10/2025 16:00	14.9	346816.9	36.65	2.74	14.04	1.64
17/10/2025 17:00	14.9	343972.5	34.23	2.96	13.83	1.72
17/10/2025 18:00	14.9	341344.3	33.22	2.94	10.41	1.70
17/10/2025 19:00	14.9	346398.8	34.31	3.05	11.06	1.75
17/10/2025 20:00	14.9	347892.2	34.21	3.10	11.93	1.76
17/10/2025 21:00	14.9	344404.9	32.83	3.14	12.86	1.75
17/10/2025 22:00	14.9	343912.8	33.35	3.01	13.04	1.80
17/10/2025 23:00	shut down	shut down	shut down	shut down	shut down	shut down
18/10/2025 00:00	shut down	shut down	shut down	shut down	shut down	shut down
18/10/2025 01:00	shut down	shut down	shut down	shut down	shut down	shut down
18/10/2025 02:00	shut down	shut down	shut down	shut down	shut down	shut down
18/10/2025 03:00	shut down	shut down	shut down	shut down	shut down	shut down
18/10/2025 04:00	shut down	shut down	shut down	shut down	shut down	shut down
18/10/2025 05:00	shut down	shut down	shut down	shut down	shut down	shut down
18/10/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
18/10/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
18/10/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
18/10/2025 09:00	15.1	292968.6	41.25	2.94	9.76	3.40
18/10/2025 10:00	15.0	349271.7	40.48	2.82	8.95	2.47
18/10/2025 11:00	15.0	345514.2	40.13	2.88	8.37	2.09
18/10/2025 12:00	15.0	275614.7	41.96	2.83	7.78	1.92
18/10/2025 13:00	14.9	325442.9	40.02	2.99	8.33	1.77
18/10/2025 14:00	14.9	348919.0	39.93	3.00	8.38	1.77
18/10/2025 15:00	14.9	349132.3	39.86	3.03	8.08	1.70
18/10/2025 16:00	14.9	350685.4	40.37	2.96	8.23	1.70
18/10/2025 17:00	14.9	344891.3	38.30	3.24	8.22	1.65
18/10/2025 18:00	14.9	343597.0	36.31	3.23	7.93	1.70
18/10/2025 19:00	14.9	347428.5	36.72	3.26	7.94	1.70
18/10/2025 20:00	14.9	345781.6	34.73	3.15	8.69	1.83
18/10/2025 21:00	14.9	342928.6	32.45	3.15	8.51	1.89
18/10/2025 22:00	14.9	342103.7	32.08	3.15	9.90	1.84
18/10/2025 23:00	14.8	322806.6	31.24	3.37	9.95	1.81
19/10/2025 00:00	14.8	321293.8	27.69	3.34	9.45	1.86
19/10/2025 01:00	14.8	323202.4	28.46	3.39	9.28	1.80
19/10/2025 02:00	14.8	321936.6	29.40	3.44	10.16	1.69
19/10/2025 03:00	14.8	319370.9	29.16	3.55	10.65	1.64
19/10/2025 04:00	14.8	318153.5	29.59	3.36	10.95	1.61
19/10/2025 05:00	14.8	309600.3	31.63	3.54	10.59	1.61
19/10/2025 06:00	14.8	305137.3	33.77	3.38	10.29	1.64
19/10/2025 07:00	14.8	301576.1	34.68	3.46	9.66	1.60
19/10/2025 08:00	14.8	297178.6	35.57	3.53	8.96	1.57
19/10/2025 09:00	14.8	292781.0	36.73	3.21	8.68	1.60
19/10/2025 10:00	14.8	288417.7	37.25	3.18	8.24	1.59
19/10/2025 11:00	14.8	286651.3	37.81	3.21	7.87	1.62
19/10/2025 12:00	14.8	287780.5	37.57	3.04	7.54	1.64
19/10/2025 13:00	14.8	290016.3	36.11	3.20	7.77	1.61
19/10/2025 14:00	14.8	299013.2	33.21	3.57	8.08	1.59
19/10/2025 15:00	14.8	300079.9	33.16	3.29	7.81	1.61
19/10/2025 16:00	14.8	303191.7	32.90	3.26	7.77	1.64
19/10/2025 17:00	14.8	300128.3	33.26	3.25	7.87	1.66
19/10/2025 18:00	14.9	292328.6	35.95	3.48	8.19	1.55
19/10/2025 19:00	14.9	333974.3	33.34	3.45	8.73	1.58
19/10/2025 20:00	14.9	335268.5	33.95	3.57	9.19	1.55
19/10/2025 21:00	14.9	334383.9	33.28	3.55	9.65	1.62
19/10/2025 22:00	shut down	shut down	shut down	shut down	shut down	shut down
19/10/2025 23:00	shut down	shut down	shut down	shut down	shut down	shut down
20/10/2025 00:00	shut down	shut down	shut down	shut down	shut down	shut down
20/10/2025 01:00	shut down	shut down	shut down	shut down	shut down	shut down
20/10/2025 02:00	shut down	shut down	shut down	shut down	shut down	shut down
20/10/2025 03:00	shut down	shut down	shut down	shut down	shut down	shut down
20/10/2025 04:00	shut down	shut down	shut down	shut down	shut down	shut down
20/10/2025 05:00	shut down	shut down	shut down	shut down	shut down	shut down

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
20/10/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
20/10/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
20/10/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
20/10/2025 09:00	15.1	296418.7	42.59	3.74	12.51	3.71
20/10/2025 10:00	15.0	350705.3	41.94	3.49	7.91	2.64
20/10/2025 11:00	15.0	346652.0	40.39	3.40	7.51	2.23
20/10/2025 12:00	15.0	277443.7	43.18	3.28	6.99	1.97
20/10/2025 13:00	14.9	325209.7	38.16	3.24	7.41	1.78
20/10/2025 14:00	14.9	351516.0	41.98	3.52	7.59	1.58
20/10/2025 15:00	14.9	352010.9	41.37	3.59	7.59	1.56
20/10/2025 16:00	14.9	351479.0	38.71	3.61	9.34	1.62
20/10/2025 17:00	14.9	349448.1	37.56	3.75	8.57	1.77
20/10/2025 18:00	14.9	347090.0	35.55	3.64	8.28	1.79
20/10/2025 19:00	14.9	352005.2	36.60	3.66	8.85	1.77
20/10/2025 20:00	14.9	352892.7	36.20	3.68	9.31	1.91
20/10/2025 21:00	14.9	348378.6	34.97	3.63	9.41	1.89
20/10/2025 22:00	14.9	348580.5	34.12	3.84	9.37	1.81
20/10/2025 23:00	shut down	shut down	shut down	shut down	shut down	shut down
21/10/2025 00:00	shut down	shut down	shut down	shut down	shut down	shut down
21/10/2025 01:00	shut down	shut down	shut down	shut down	shut down	shut down
21/10/2025 02:00	shut down	shut down	shut down	shut down	shut down	shut down
21/10/2025 03:00	shut down	shut down	shut down	shut down	shut down	shut down
21/10/2025 04:00	shut down	shut down	shut down	shut down	shut down	shut down
21/10/2025 05:00	shut down	shut down	shut down	shut down	shut down	shut down
21/10/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
21/10/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
21/10/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
21/10/2025 09:00	15.0	301828.0	37.17	3.73	7.54	3.73
21/10/2025 10:00	14.9	347687.3	36.80	3.56	7.21	2.56
21/10/2025 11:00	15.0	348108.3	41.51	3.45	7.36	2.22
21/10/2025 12:00	15.0	278922.8	45.23	3.68	7.00	1.96
21/10/2025 13:00	15.0	329346.9	44.01	3.79	7.44	1.84
21/10/2025 14:00	15.0	354747.3	46.44	0.42	7.61	1.63
21/10/2025 15:00	15.0	355572.2	46.36	0.33	7.70	1.60
21/10/2025 16:00	15.0	355410.0	45.17	0.21	7.81	1.63
21/10/2025 17:00	15.0	353433.1	43.37	0.05	7.87	1.65
21/10/2025 18:00	15.0	349354.2	40.69	0.16	8.03	1.70
21/10/2025 19:00	15.0	349920.3	40.00	0.19	8.25	1.72
21/10/2025 20:00	15.0	350693.9	39.23	0.26	8.53	1.79
21/10/2025 21:00	15.0	346811.3	38.17	0.14	8.63	1.74
21/10/2025 22:00	15.0	348170.9	38.17	0.21	8.77	1.72
21/10/2025 23:00	shut down	shut down	shut down	shut down	shut down	shut down
22/10/2025 00:00	shut down	shut down	shut down	shut down	shut down	shut down
22/10/2025 01:00	shut down	shut down	shut down	shut down	shut down	shut down
22/10/2025 02:00	shut down	shut down	shut down	shut down	shut down	shut down
22/10/2025 03:00	shut down	shut down	shut down	shut down	shut down	shut down
22/10/2025 04:00	shut down	shut down	shut down	shut down	shut down	shut down
22/10/2025 05:00	shut down	shut down	shut down	shut down	shut down	shut down
22/10/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
22/10/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
22/10/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
22/10/2025 09:00	15.1	304675.4	45.57	0.14	9.00	1.60
22/10/2025 10:00	15.1	349755.3	45.57	0.21	8.48	1.60
22/10/2025 11:00	14.9	344879.7	43.88	0.58	7.94	1.51
22/10/2025 12:00	14.9	277907.3	46.91	0.53	7.72	1.51
22/10/2025 13:00	15.0	328452.3	45.46	0.35	7.99	1.54
22/10/2025 14:00	14.9	350969.8	43.11	1.20	7.90	1.41
22/10/2025 15:00	14.9	349641.5	45.40	0.58	7.78	1.44
22/10/2025 16:00	15.0	352195.8	45.61	0.54	7.79	1.45
22/10/2025 17:00	14.9	349755.3	44.41	0.33	7.81	1.47
22/10/2025 18:00	14.9	345380.5	41.58	0.30	7.93	1.53
22/10/2025 19:00	14.9	347445.6	40.91	0.37	8.04	1.56
22/10/2025 20:00	14.9	347164.0	39.89	0.42	8.18	1.60
22/10/2025 21:00	14.9	343238.6	37.68	0.32	8.21	1.69
22/10/2025 22:00	14.9	343921.3	37.51	0.46	8.32	1.64
22/10/2025 23:00	shut down	shut down	shut down	shut down	shut down	shut down

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
23/10/2025 00:00	shut down	shut down	shut down	shut down	shut down	shut down
23/10/2025 01:00	shut down	shut down	shut down	shut down	shut down	shut down
23/10/2025 02:00	shut down	shut down	shut down	shut down	shut down	shut down
23/10/2025 03:00	shut down	shut down	shut down	shut down	shut down	shut down
23/10/2025 04:00	shut down	shut down	shut down	shut down	shut down	shut down
23/10/2025 05:00	shut down	shut down	shut down	shut down	shut down	shut down
23/10/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
23/10/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
23/10/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
23/10/2025 09:00	15.0	303072.4	42.69	0.42	7.68	3.42
23/10/2025 10:00	15.0	347877.9	42.55	0.33	7.23	2.39
23/10/2025 11:00	15.0	345448.8	41.84	0.21	6.99	1.99
23/10/2025 12:00	14.9	279106.6	46.15	0.40	6.66	1.75
23/10/2025 13:00	14.9	329230.3	44.17	0.23	6.82	1.70
23/10/2025 14:00	14.9	348779.6	42.17	0.37	6.87	1.65
23/10/2025 15:00	14.9	347815.3	41.54	0.44	6.80	1.58
23/10/2025 16:00	14.9	346495.5	40.68	0.49	6.78	1.60
23/10/2025 17:00	14.9	345408.9	39.13	0.39	6.82	1.57
23/10/2025 18:00	14.9	342644.2	37.85	0.42	7.02	1.55
23/10/2025 19:00	14.9	346637.8	38.93	0.44	7.10	1.58
23/10/2025 20:00	14.9	348466.7	39.27	0.47	7.11	1.54
23/10/2025 21:00	14.9	344265.5	38.11	0.54	7.14	1.52
23/10/2025 22:00	14.9	345343.5	38.35	0.44	7.38	1.54
23/10/2025 23:00	shut down	shut down	shut down	shut down	shut down	shut down
24/10/2025 00:00	shut down	shut down	shut down	shut down	shut down	shut down
24/10/2025 01:00	shut down	shut down	shut down	shut down	shut down	shut down
24/10/2025 02:00	shut down	shut down	shut down	shut down	shut down	shut down
24/10/2025 03:00	shut down	shut down	shut down	shut down	shut down	shut down
24/10/2025 04:00	shut down	shut down	shut down	shut down	shut down	shut down
24/10/2025 05:00	shut down	shut down	shut down	shut down	shut down	shut down
24/10/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
24/10/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
24/10/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
24/10/2025 09:00	15.0	299531.0	50.18	0.42	10.72	3.58
24/10/2025 10:00	14.9	345866.9	36.67	0.55	7.63	2.44
24/10/2025 11:00	14.9	345903.9	40.05	0.61	7.68	2.05
24/10/2025 12:00	15.0	278328.3	45.04	0.40	7.22	1.87
24/10/2025 13:00	15.0	327674.4	42.71	0.47	7.84	1.71
24/10/2025 14:00	14.9	349806.5	40.93	0.61	7.73	1.65
24/10/2025 15:00	14.9	350230.3	40.79	0.58	7.67	1.60
24/10/2025 16:00	14.9	351786.2	40.68	0.86	7.71	1.54
24/10/2025 17:00	14.9	347846.6	39.33	0.65	7.92	1.54
24/10/2025 18:00	14.9	346125.8	38.28	0.58	8.21	1.51
24/10/2025 19:00	14.9	349106.7	37.78	0.95	8.70	1.49
24/10/2025 20:00	14.9	349923.1	38.21	0.84	9.02	1.49
24/10/2025 21:00	14.9	347687.3	37.24	0.81	9.12	1.53
24/10/2025 22:00	14.9	348620.3	36.84	0.95	9.36	1.51
24/10/2025 23:00	shut down	shut down	shut down	shut down	shut down	shut down
25/10/2025 00:00	shut down	shut down	shut down	shut down	shut down	shut down
25/10/2025 01:00	shut down	shut down	shut down	shut down	shut down	shut down
25/10/2025 02:00	shut down	shut down	shut down	shut down	shut down	shut down
25/10/2025 03:00	shut down	shut down	shut down	shut down	shut down	shut down
25/10/2025 04:00	shut down	shut down	shut down	shut down	shut down	shut down
25/10/2025 05:00	shut down	shut down	shut down	shut down	shut down	shut down
25/10/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
25/10/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
25/10/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
25/10/2025 09:00	15.1	301772.3	43.96	0.48	12.52	3.50
25/10/2025 10:00	15.0	349200.6	43.59	0.47	8.21	2.45
25/10/2025 11:00	15.0	344262.6	41.72	0.47	8.10	2.04
25/10/2025 12:00	15.0	278321.3	45.12	0.70	7.71	1.76
25/10/2025 13:00	14.9	327650.3	41.72	0.82	8.14	1.61
25/10/2025 14:00	14.9	346188.3	38.68	1.02	8.54	1.55
25/10/2025 15:00	14.9	348128.3	39.40	0.93	8.58	1.53
25/10/2025 16:00	14.9	348333.0	39.42	0.88	8.61	1.51
25/10/2025 17:00	14.9	343688.1	38.28	0.46	8.51	1.53

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
25/10/2025 18:00	14.9	340527.9	37.03	0.56	8.62	1.53
25/10/2025 19:00	14.9	344521.5	36.56	1.00	8.83	1.51
25/10/2025 20:00	14.9	344751.9	36.59	0.86	9.02	1.53
25/10/2025 21:00	14.9	342857.5	36.28	0.86	9.06	1.54
25/10/2025 22:00	14.9	342206.1	35.46	0.86	9.21	1.55
25/10/2025 23:00	14.9	320734.4	34.44	0.99	9.08	1.57
26/10/2025 00:00	14.8	319800.4	30.04	1.01	9.26	1.53
26/10/2025 01:00	14.8	320440.4	30.50	0.89	9.33	1.53
26/10/2025 02:00	14.8	319461.9	30.47	0.96	9.22	1.55
26/10/2025 03:00	14.8	317038.5	30.51	1.05	9.30	1.55
26/10/2025 04:00	14.8	314609.3	31.26	1.09	9.28	1.50
26/10/2025 05:00	14.8	305868.3	33.29	1.13	9.27	1.52
26/10/2025 06:00	14.8	300970.2	34.68	1.02	9.60	1.52
26/10/2025 07:00	14.8	297073.3	35.96	0.93	9.34	1.52
26/10/2025 08:00	14.8	293369.8	36.70	1.16	8.58	1.48
26/10/2025 09:00	14.8	290442.9	38.52	0.66	7.99	1.50
26/10/2025 10:00	14.8	287370.9	39.02	0.77	7.72	1.48
26/10/2025 11:00	14.8	286335.5	39.36	0.77	7.56	1.50
26/10/2025 12:00	14.8	288059.3	37.69	1.09	7.44	1.45
26/10/2025 13:00	14.8	299388.7	34.34	1.11	7.54	1.41
26/10/2025 14:00	14.8	292655.9	36.29	0.88	7.61	1.45
26/10/2025 15:00	14.8	299778.4	34.56	1.04	7.69	1.43
26/10/2025 16:00	14.8	296507.3	35.48	0.84	7.81	1.45
26/10/2025 17:00	14.9	289438.6	37.16	0.84	8.06	1.33
26/10/2025 18:00	14.9	326857.5	32.41	0.88	8.34	1.45
26/10/2025 19:00	14.9	330939.3	32.56	1.25	8.56	1.48
26/10/2025 20:00	14.9	332657.3	32.59	1.11	8.51	1.50
26/10/2025 21:00	14.9	333115.3	33.45	1.14	8.39	1.56
26/10/2025 22:00	shut down	shut down	shut down	shut down	shut down	shut down
26/10/2025 23:00	shut down	shut down	shut down	shut down	shut down	shut down
27/10/2025 00:00	shut down	shut down	shut down	shut down	shut down	shut down
27/10/2025 01:00	shut down	shut down	shut down	shut down	shut down	shut down
27/10/2025 02:00	shut down	shut down	shut down	shut down	shut down	shut down
27/10/2025 03:00	shut down	shut down	shut down	shut down	shut down	shut down
27/10/2025 04:00	shut down	shut down	shut down	shut down	shut down	shut down
27/10/2025 05:00	shut down	shut down	shut down	shut down	shut down	shut down
27/10/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
27/10/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
27/10/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
27/10/2025 09:00	15.1	295904.2	41.53	1.28	18.56	4.13
27/10/2025 10:00	15.0	351897.1	40.61	0.90	8.90	2.69
27/10/2025 11:00	15.0	346993.3	39.15	1.01	8.40	2.08
27/10/2025 12:00	15.0	278856.0	42.00	1.26	8.06	1.82
27/10/2025 13:00	15.0	330453.4	41.26	1.10	8.07	1.68
27/10/2025 14:00	15.0	357130.9	40.69	1.45	8.05	1.52
27/10/2025 15:00	15.0	354923.6	40.46	0.84	8.27	1.57
27/10/2025 16:00	15.0	353518.5	39.48	0.96	8.43	1.47
27/10/2025 17:00	14.9	347328.9	37.70	1.19	8.50	1.44
27/10/2025 18:00	14.9	342530.4	36.12	1.07	8.83	1.46
27/10/2025 19:00	14.9	345807.2	36.10	1.16	8.93	1.44
27/10/2025 20:00	14.9	346711.7	35.75	1.52	9.07	1.38
27/10/2025 21:00	14.9	345144.4	36.03	1.17	9.07	1.42
27/10/2025 22:00	15.0	346447.2	36.35	1.28	9.04	1.38
27/10/2025 23:00	14.9	331088.3	38.03	1.21	8.90	1.42
28/10/2025 00:00	15.0	356317.4	37.98	1.38	9.03	1.38
28/10/2025 01:00	15.0	354562.4	37.71	1.43	9.09	1.40
28/10/2025 02:00	14.9	354090.2	36.53	1.72	9.31	1.37
28/10/2025 03:00	14.9	354218.2	37.10	1.44	9.27	1.37
28/10/2025 04:00	14.9	354653.4	37.30	1.61	9.15	1.33
28/10/2025 05:00	14.9	354474.2	37.14	1.49	10.20	1.37
28/10/2025 06:00	14.9	353862.6	35.52	1.74	12.34	1.42
28/10/2025 07:00	14.9	353561.1	35.56	1.46	10.79	1.49
28/10/2025 08:00	14.9	340800.9	36.61	1.46	10.09	1.42
28/10/2025 09:00	14.9	306445.0	36.27	1.32	8.70	1.32
28/10/2025 10:00	15.0	340078.5	34.57	1.21	8.74	1.35
28/10/2025 11:00	14.9	339336.1	33.89	1.56	8.56	1.33

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
28/10/2025 12:00	14.9	277167.8	38.63	1.68	8.10	1.30
28/10/2025 13:00	14.9	329172.0	38.32	1.54	8.03	1.26
28/10/2025 14:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
28/10/2025 15:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
28/10/2025 16:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
28/10/2025 17:00	14.7	349490.7	38.38	2.53	7.78	1.44
28/10/2025 18:00	14.8	345164.3	30.77	2.20	8.20	1.54
28/10/2025 19:00	14.8	346700.3	27.51	2.24	8.25	1.56
28/10/2025 20:00	14.8	347195.3	26.71	1.79	8.27	1.64
28/10/2025 21:00	14.8	344612.5	24.72	1.68	8.19	1.72
28/10/2025 22:00	14.8	345394.7	23.45	1.74	8.29	1.72
28/10/2025 23:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
29/10/2025 00:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
29/10/2025 01:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
29/10/2025 02:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
29/10/2025 03:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
29/10/2025 04:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
29/10/2025 05:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
29/10/2025 06:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
29/10/2025 07:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
29/10/2025 08:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
29/10/2025 09:00	14.9	306652.6	34.22	0.85	8.84	4.30
29/10/2025 10:00	14.9	354627.8	28.12	0.78	8.04	2.89
29/10/2025 11:00	14.8	352446.1	26.29	0.87	7.77	2.35
29/10/2025 12:00	14.8	281521.6	28.41	0.86	7.57	2.04
29/10/2025 13:00	14.8	331487.4	27.41	0.75	7.88	1.91
29/10/2025 14:00	14.8	355179.6	27.46	0.70	7.88	1.89
29/10/2025 15:00	14.8	355447.0	25.79	0.97	7.95	1.79
29/10/2025 16:00	14.8	357341.4	27.75	0.68	7.86	1.82
29/10/2025 17:00	14.8	352056.4	24.28	0.59	7.90	1.77
29/10/2025 18:00	14.8	348000.3	22.46	0.48	8.51	1.77
29/10/2025 19:00	14.8	350338.4	21.38	0.77	8.79	1.72
29/10/2025 20:00	14.8	350284.3	20.30	0.88	9.06	1.97
29/10/2025 21:00	14.7	346740.2	19.18	0.97	8.98	1.71
29/10/2025 22:00	14.7	347553.7	18.88	0.92	8.90	1.76
29/10/2025 23:00	14.7	332883.2	19.50	0.81	8.73	1.75
30/10/2025 00:00	14.8	359082.2	21.49	0.68	9.06	1.74
30/10/2025 01:00	14.8	358931.4	20.91	1.36	8.70	1.67
30/10/2025 02:00	14.7	358880.3	21.01	1.47	8.62	1.60
30/10/2025 03:00	14.8	358692.5	22.22	1.20	8.66	1.56
30/10/2025 04:00	14.7	359750.6	21.87	1.17	8.87	1.53
30/10/2025 05:00	14.7	358826.2	21.60	1.04	9.55	1.53
30/10/2025 06:00	14.7	358026.9	20.46	1.35	10.27	1.49
30/10/2025 07:00	14.7	358166.3	20.85	1.13	10.29	1.51
30/10/2025 08:00	14.7	344026.6	19.79	1.78	9.78	1.42
30/10/2025 09:00	14.7	319787.2	15.87	3.41	9.28	1.17
30/10/2025 10:00	14.7	352867.1	18.54	0.79	9.10	1.40
30/10/2025 11:00	14.8	350565.9	20.91	0.43	9.14	1.43
30/10/2025 12:00	14.7	282943.2	24.36	0.49	8.88	1.44
30/10/2025 13:00	14.7	332532.8	21.29	0.38	10.46	1.50
30/10/2025 14:00	14.7	352844.3	18.89	0.51	10.56	1.54
30/10/2025 15:00	14.7	351618.4	19.03	0.45	8.38	1.52
30/10/2025 16:00	14.7	353663.5	19.95	0.45	8.73	1.48
30/10/2025 17:00	14.7	348782.5	18.50	0.52	9.21	1.50
30/10/2025 18:00	14.7	343360.9	16.56	0.42	10.26	1.52
30/10/2025 19:00	14.7	346122.9	15.89	0.60	16.18	1.54
30/10/2025 20:00	14.7	345756.0	15.08	0.80	16.15	1.51
30/10/2025 21:00	14.7	343446.3	14.77	0.80	21.66	1.41
30/10/2025 22:00	14.7	345124.5	15.17	0.83	15.53	1.47
30/10/2025 23:00	shut down	shut down	shut down	shut down	shut down	shut down
31/10/2025 00:00	shut down	shut down	shut down	shut down	shut down	shut down
31/10/2025 01:00	shut down	shut down	shut down	shut down	shut down	shut down
31/10/2025 02:00	shut down	shut down	shut down	shut down	shut down	shut down
31/10/2025 03:00	shut down	shut down	shut down	shut down	shut down	shut down
31/10/2025 04:00	shut down	shut down	shut down	shut down	shut down	shut down
31/10/2025 05:00	shut down	shut down	shut down	shut down	shut down	shut down

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
31/10/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
31/10/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
31/10/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
31/10/2025 09:00	14.8	305726.8	26.37	0.39	12.47	4.61
31/10/2025 10:00	14.8	352938.2	18.69	0.43	7.53	3.07
31/10/2025 11:00	14.8	353583.9	20.84	0.20	7.73	2.56
31/10/2025 12:00	14.7	281511.9	22.39	0.29	7.48	2.16
31/10/2025 13:00	14.7	333757.5	21.50	0.22	7.62	1.98
31/10/2025 14:00	14.7	354940.7	19.23	0.36	7.69	1.73
31/10/2025 15:00	14.7	352266.9	18.97	0.22	8.03	1.70
31/10/2025 16:00	14.7	355950.5	19.76	0.16	8.02	1.62
31/10/2025 17:00	14.7	348873.5	17.01	0.40	8.56	1.52
31/10/2025 18:00	14.7	343150.5	11.90	2.05	12.03	1.36
31/10/2025 19:00	14.7	346805.6	15.60	0.61	8.97	1.55
31/10/2025 20:00	14.7	348065.7	15.81	0.47	8.93	1.55
31/10/2025 21:00	14.7	345087.5	13.45	0.99	9.23	1.46
31/10/2025 22:00	14.7	346558.1	12.67	1.37	14.19	1.48
31/10/2025 23:00	14.7	333382.6	13.39	0.49	14.30	1.58
Minimum	14.62	264,430.30	11.90	0.05	6.66	0.40
Maximum	15.14	362,660.50	52.32	4.40	21.66	4.61
Avg	14.83	327,875.69	34.19	2.07	9.66	1.60
SUM						
STD			STD = 60	STD = 6	STD = 28	STD = 690

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
01/10/2025 00:00	14.5	359986.7	28.08	1.15	12.42	1.17
01/10/2025 01:00	14.5	376709.2	28.26	1.26	12.31	1.13
01/10/2025 02:00	14.5	375048.1	27.86	1.28	17.45	1.10
01/10/2025 03:00	14.5	374846.1	28.34	1.43	13.99	1.06
01/10/2025 04:00	14.5	374854.6	28.19	1.49	19.33	1.02
01/10/2025 05:00	14.5	375312.6	28.28	1.54	10.15	1.06
01/10/2025 06:00	14.5	375636.9	28.26	1.63	10.17	1.11
01/10/2025 07:00	14.5	376029.4	28.32	1.48	16.03	1.11
01/10/2025 08:00	14.5	361713.3	27.54	1.38	13.04	1.12
01/10/2025 09:00	14.5	332483.8	28.13	1.11	13.25	1.07
01/10/2025 10:00	14.5	372522.2	28.11	1.18	10.87	1.07
01/10/2025 11:00	14.6	370775.7	28.00	1.23	9.46	1.03
01/10/2025 12:00	14.6	307037.4	30.28	1.03	11.47	0.96
01/10/2025 13:00	14.6	352685.0	29.91	0.92	10.07	1.03
01/10/2025 14:00	14.6	374868.9	29.99	0.93	8.99	1.10
01/10/2025 15:00	14.6	377292.3	29.79	0.99	9.20	1.15
01/10/2025 16:00	14.6	378174.1	29.65	0.99	9.85	1.14
01/10/2025 17:00	14.6	376060.7	29.69	1.03	10.08	1.19
01/10/2025 18:00	14.6	373435.3	29.05	1.16	9.78	1.38
01/10/2025 19:00	14.6	374965.6	29.14	1.53	9.65	1.23
01/10/2025 20:00	14.6	374345.5	28.90	1.38	9.10	1.25
01/10/2025 21:00	14.5	368201.5	27.71	1.35	9.50	1.15
01/10/2025 22:00	14.5	367686.6	27.73	1.22	9.55	1.15
01/10/2025 23:00	14.5	351726.5	27.76	1.39	9.77	1.11
02/10/2025 00:00	14.5	353700.5	26.20	1.41	9.59	1.15
02/10/2025 01:00	14.5	355020.3	26.15	1.41	9.63	1.17
02/10/2025 02:00	14.5	353174.3	26.44	1.39	9.20	1.26
02/10/2025 03:00	14.5	351430.6	26.16	1.38	9.47	1.32
02/10/2025 04:00	14.4	348347.3	25.73	1.46	9.77	1.31
02/10/2025 05:00	14.4	342066.7	25.40	1.31	10.49	1.37
02/10/2025 06:00	14.4	343409.3	25.16	1.39	10.49	1.39
02/10/2025 07:00	14.5	353202.7	26.24	1.08	10.76	1.30
02/10/2025 08:00	14.5	357819.3	26.67	1.37	9.73	1.20
02/10/2025 09:00	14.6	339114.2	29.73	1.30	10.19	1.08
02/10/2025 10:00	14.6	374544.6	29.32	1.06	8.58	1.17
02/10/2025 11:00	14.6	375073.7	29.57	1.06	7.81	1.13
02/10/2025 12:00	14.6	308087.0	30.21	0.97	10.25	1.10
02/10/2025 13:00	14.5	354138.6	26.80	0.96	9.21	1.03
02/10/2025 14:00	14.5	380606.1	27.01	1.00	8.25	1.07
02/10/2025 15:00	14.5	379237.9	26.39	1.22	8.86	1.11
02/10/2025 16:00	14.5	375756.3	26.34	1.28	9.23	1.17
02/10/2025 17:00	14.5	372792.4	27.15	1.39	10.74	1.26
02/10/2025 18:00	14.5	368568.4	26.97	1.11	11.20	1.26
02/10/2025 19:00	14.5	370553.8	27.32	1.28	11.16	1.35
02/10/2025 20:00	14.5	370545.3	27.54	1.39	10.68	1.35
02/10/2025 21:00	14.5	367547.3	27.82	1.33	10.85	1.33
02/10/2025 22:00	14.5	367794.7	27.00	1.46	9.83	1.35
02/10/2025 23:00	14.5	350759.3	27.54	1.37	11.29	1.30
03/10/2025 00:00	14.5	352073.5	25.24	1.38	11.03	1.40
03/10/2025 01:00	14.5	353399.0	25.10	1.49	10.88	1.49
03/10/2025 02:00	14.5	353424.6	25.06	1.58	10.49	1.68
03/10/2025 03:00	14.5	351325.4	24.87	1.53	10.50	1.70
03/10/2025 04:00	14.4	348048.6	27.20	1.42	14.72	1.20
03/10/2025 05:00	14.4	338383.2	27.14	1.09	15.80	1.22
03/10/2025 06:00	14.4	339253.6	26.27	1.36	14.97	1.22
03/10/2025 07:00	14.4	348000.3	27.48	1.08	13.38	1.27
03/10/2025 08:00	14.5	352551.3	27.54	0.91	11.85	1.21
03/10/2025 09:00	14.5	341762.4	29.15	1.11	12.12	1.11
03/10/2025 10:00	14.5	371870.8	28.02	1.38	14.79	1.04
03/10/2025 11:00	14.5	368796.0	26.31	1.45	10.14	1.08
03/10/2025 12:00	14.6	303516.0	30.80	1.09	12.85	1.05
03/10/2025 13:00	14.6	350628.5	29.05	1.12	10.51	1.03
03/10/2025 14:00	14.6	374951.3	29.10	0.91	9.55	1.10
03/10/2025 15:00	14.6	374900.2	30.22	0.98	9.51	1.11
03/10/2025 16:00	14.6	375315.4	29.57	1.13	10.09	1.08
03/10/2025 17:00	14.6	372348.7	28.81	1.06	10.10	1.17

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
03/10/2025 18:00	14.6	368687.9	28.19	1.27	10.09	1.16
03/10/2025 19:00	14.5	372203.6	28.54	1.09	10.12	1.20
03/10/2025 20:00	14.6	371478.3	30.08	1.05	10.51	1.16
03/10/2025 21:00	14.5	367191.7	28.02	1.37	11.64	1.13
03/10/2025 22:00	14.5	369822.8	28.11	1.13	11.24	1.20
03/10/2025 23:00	14.5	351157.6	26.70	1.34	11.04	1.19
04/10/2025 00:00	14.5	352156.0	26.76	1.25	10.61	1.23
04/10/2025 01:00	14.5	353797.2	26.46	1.42	10.77	1.36
04/10/2025 02:00	14.5	353575.3	27.34	1.24	10.67	1.45
04/10/2025 03:00	14.5	349937.3	26.78	1.32	10.78	1.26
04/10/2025 04:00	14.5	348776.8	26.16	1.51	10.99	1.34
04/10/2025 05:00	14.4	342692.5	25.44	1.48	12.29	1.42
04/10/2025 06:00	14.4	342058.2	24.65	1.58	13.86	1.52
04/10/2025 07:00	14.5	353271.0	25.17	1.38	15.50	1.47
04/10/2025 08:00	14.5	361184.3	25.80	1.24	13.77	1.37
04/10/2025 09:00	14.5	336696.4	27.93	1.06	12.94	1.24
04/10/2025 10:00	14.5	375685.2	26.85	1.13	10.17	1.21
04/10/2025 11:00	14.5	372547.8	27.80	1.44	10.71	1.10
04/10/2025 12:00	14.5	308729.8	30.76	1.69	12.60	1.04
04/10/2025 13:00	14.5	354033.3	30.48	1.38	10.14	1.17
04/10/2025 14:00	14.5	372300.3	28.79	1.25	18.22	1.15
04/10/2025 15:00	14.5	369791.5	28.36	1.34	10.75	1.17
04/10/2025 16:00	14.5	370394.6	28.32	1.21	11.12	1.19
04/10/2025 17:00	14.5	367789.0	27.32	1.47	11.32	1.21
04/10/2025 18:00	14.5	364864.9	26.80	1.39	10.80	1.23
04/10/2025 19:00	14.5	367618.4	27.41	1.43	10.77	1.28
04/10/2025 20:00	14.5	367302.6	26.72	1.56	11.93	1.39
04/10/2025 21:00	14.5	365317.2	26.63	1.43	11.91	1.36
04/10/2025 22:00	14.5	365681.3	27.11	1.45	10.80	1.32
04/10/2025 23:00	14.5	346657.7	26.89	1.49	11.01	1.34
05/10/2025 00:00	14.4	345232.6	25.59	1.44	10.49	1.39
05/10/2025 01:00	14.4	344865.7	25.17	1.61	10.94	1.48
05/10/2025 02:00	14.4	344703.5	25.23	1.46	12.33	1.50
05/10/2025 03:00	14.4	344052.2	24.89	1.52	15.70	1.48
05/10/2025 04:00	14.4	343039.5	24.83	1.41	13.86	1.58
05/10/2025 05:00	14.4	333305.8	24.10	1.42	13.16	1.59
05/10/2025 06:00	14.3	325827.8	23.60	1.38	14.77	1.63
05/10/2025 07:00	14.4	320013.8	23.26	1.36	13.14	1.49
05/10/2025 08:00	14.4	315118.5	22.91	1.45	11.86	1.25
05/10/2025 09:00	14.4	311946.9	23.12	1.19	11.11	1.19
05/10/2025 10:00	14.4	311497.5	23.38	1.00	10.31	1.17
05/10/2025 11:00	14.4	314324.9	23.77	0.94	9.64	1.16
05/10/2025 12:00	14.4	318989.8	24.42	1.09	9.57	1.18
05/10/2025 13:00	14.4	316736.9	24.56	0.92	9.70	1.18
05/10/2025 14:00	14.4	315218.0	24.63	0.97	10.02	1.16
05/10/2025 15:00	14.4	319268.5	24.31	0.79	10.22	1.28
05/10/2025 16:00	14.4	319752.1	23.51	1.19	11.26	1.24
05/10/2025 17:00	14.4	314634.9	23.24	1.09	11.73	1.24
05/10/2025 18:00	14.5	308157.8	29.50	1.20	13.38	1.07
05/10/2025 19:00	14.4	345286.6	24.55	1.14	12.95	1.27
05/10/2025 20:00	14.4	344495.9	24.82	1.27	16.52	1.31
05/10/2025 21:00	14.4	344933.9	24.93	1.24	17.57	1.39
05/10/2025 22:00	14.4	327312.6	25.36	1.35	18.31	1.35
05/10/2025 23:00	14.3	322693.2	22.98	1.38	17.90	1.35
06/10/2025 00:00	14.3	321902.5	22.83	1.42	19.97	1.29
06/10/2025 01:00	14.3	322355.8	22.85	1.38	18.47	1.27
06/10/2025 02:00	14.3	321057.7	23.88	1.40	11.87	1.12
06/10/2025 03:00	14.3	319789.0	23.60	1.57	12.44	1.14
06/10/2025 04:00	14.3	319584.3	23.33	1.82	12.97	1.14
06/10/2025 05:00	14.4	319126.3	23.63	1.64	12.09	1.17
06/10/2025 06:00	14.4	324024.4	23.95	1.70	11.58	1.21
06/10/2025 07:00	14.5	347385.8	25.77	1.47	11.44	1.17
06/10/2025 08:00	14.5	355484.0	27.08	1.20	10.72	1.13
06/10/2025 09:00	14.6	336366.5	30.44	1.32	10.62	1.01
06/10/2025 10:00	14.6	373307.3	29.63	1.26	8.66	0.97
06/10/2025 11:00	14.6	373042.7	29.77	1.17	8.33	1.04

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
06/10/2025 12:00	14.6	306024.8	32.60	1.02	11.22	0.93
06/10/2025 13:00	14.6	349715.4	28.52	0.94	9.65	0.92
06/10/2025 14:00	14.6	377414.6	30.57	1.11	8.96	1.00
06/10/2025 15:00	14.7	376899.8	31.03	1.05	8.71	1.02
06/10/2025 16:00	14.7	377451.6	31.43	1.05	8.60	1.02
06/10/2025 17:00	14.6	378094.5	30.44	1.29	8.42	1.07
06/10/2025 18:00	14.6	375634.0	29.48	1.26	8.76	1.13
06/10/2025 19:00	14.6	377366.3	28.86	1.54	9.16	1.17
06/10/2025 20:00	14.6	375642.6	28.53	1.39	9.19	1.15
06/10/2025 21:00	14.6	369268.2	28.26	1.09	9.87	1.09
06/10/2025 22:00	14.5	369248.3	27.52	1.33	10.17	1.05
06/10/2025 23:00	14.5	350927.2	26.89	1.48	10.38	1.02
07/10/2025 00:00	14.5	350651.3	26.22	1.43	10.15	1.04
07/10/2025 01:00	14.5	351325.4	26.61	1.41	10.14	1.09
07/10/2025 02:00	14.5	349524.9	27.02	1.41	10.08	1.06
07/10/2025 03:00	14.5	346762.9	26.78	1.54	10.13	1.08
07/10/2025 04:00	14.5	346760.1	26.57	1.54	10.18	1.08
07/10/2025 05:00	14.5	341654.3	26.52	1.38	10.33	1.06
07/10/2025 06:00	14.5	342439.3	26.59	1.39	10.35	1.08
07/10/2025 07:00	14.5	351968.3	26.97	1.39	10.09	1.11
07/10/2025 08:00	14.5	350907.3	27.15	1.26	9.67	1.13
07/10/2025 09:00	14.5	333724.0	28.98	1.20	10.16	0.96
07/10/2025 10:00	14.6	373631.5	28.46	1.17	8.36	0.95
07/10/2025 11:00	14.6	372755.4	29.95	1.06	8.12	1.00
07/10/2025 12:00	14.6	350899.6	32.68	1.00	10.86	0.95
07/10/2025 13:00	14.6	353143.0	31.29	0.89	9.55	0.93
07/10/2025 14:00	14.7	377352.1	30.25	1.00	9.07	0.96
07/10/2025 15:00	14.7	379067.3	31.21	1.07	8.73	0.98
07/10/2025 16:00	14.7	379519.5	30.96	1.11	8.61	1.00
07/10/2025 17:00	14.7	378131.4	30.40	1.18	9.10	1.09
07/10/2025 18:00	14.6	374499.1	29.04	1.52	9.35	1.08
07/10/2025 19:00	14.6	373870.5	28.85	1.32	8.94	0.99
07/10/2025 20:00	14.5	370960.6	28.65	1.33	10.68	1.00
07/10/2025 21:00	14.5	366179.1	27.73	1.34	12.10	1.00
07/10/2025 22:00	14.5	367811.8	27.37	1.37	12.36	1.06
07/10/2025 23:00	14.5	349476.5	26.46	1.64	12.11	1.06
08/10/2025 00:00	14.5	350688.3	25.69	1.51	11.31	1.12
08/10/2025 01:00	14.5	351134.8	25.97	1.25	11.31	1.16
08/10/2025 02:00	14.5	348051.4	25.69	1.23	12.07	1.29
08/10/2025 03:00	14.4	346444.3	25.23	1.35	17.07	1.22
08/10/2025 04:00	14.4	345849.8	25.01	1.52	21.30	1.29
08/10/2025 05:00	14.4	340769.7	24.61	1.48	17.97	1.29
08/10/2025 06:00	14.4	341364.2	24.16	1.75	13.17	1.26
08/10/2025 07:00	14.5	352642.4	24.99	1.60	13.36	1.30
08/10/2025 08:00	14.5	353820.0	25.63	1.41	11.97	1.24
08/10/2025 09:00	14.5	333143.7	29.00	1.38	10.97	1.11
08/10/2025 10:00	14.6	376165.9	28.22	2.12	8.91	1.03
08/10/2025 11:00	14.6	370937.8	29.32	2.05	8.84	1.17
08/10/2025 12:00	14.6	303470.5	33.46	1.87	11.37	1.09
08/10/2025 13:00	14.7	351029.6	30.81	1.60	10.27	1.16
08/10/2025 14:00	14.7	374664.1	29.54	1.72	9.65	1.16
08/10/2025 15:00	14.7	377790.1	29.47	1.63	9.93	1.20
08/10/2025 16:00	14.7	378526.8	29.53	1.65	9.85	1.20
08/10/2025 17:00	14.6	376396.3	29.35	1.42	9.24	1.24
08/10/2025 18:00	14.6	372277.6	28.13	1.61	9.09	1.28
08/10/2025 19:00	14.6	374197.6	27.87	1.65	9.43	1.37
08/10/2025 20:00	14.6	372965.9	27.82	1.69	9.63	1.41
08/10/2025 21:00	14.6	368101.9	26.92	1.58	10.94	1.53
08/10/2025 22:00	14.5	367396.5	25.75	1.66	11.76	1.44
08/10/2025 23:00	14.5	350110.8	26.58	1.79	11.59	1.26
09/10/2025 00:00	14.5	350614.3	25.89	1.63	13.10	1.13
09/10/2025 01:00	14.5	350679.7	25.32	1.60	8.89	1.21
09/10/2025 02:00	14.4	346489.8	26.34	1.59	9.18	1.20
09/10/2025 03:00	14.4	342180.5	26.41	1.46	9.38	1.48
09/10/2025 04:00	14.4	343062.3	25.96	1.56	10.69	1.29
09/10/2025 05:00	14.4	338562.4	25.70	1.52	15.74	1.30

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
09/10/2025 06:00	14.4	337785.8	25.70	1.46	15.57	1.31
09/10/2025 07:00	14.5	347835.3	26.74	1.40	14.50	1.34
09/10/2025 08:00	14.5	348617.5	26.39	1.41	14.49	1.28
09/10/2025 09:00	14.6	336025.1	28.92	1.32	13.11	1.21
09/10/2025 10:00	14.6	374820.5	27.87	1.54	12.18	1.19
09/10/2025 11:00	14.6	370892.3	27.78	1.61	11.27	1.21
09/10/2025 12:00	14.6	306590.8	31.18	1.46	12.93	1.15
09/10/2025 13:00	14.6	355216.6	29.55	1.46	10.93	1.15
09/10/2025 14:00	14.6	377673.5	28.31	1.55	10.12	1.20
09/10/2025 15:00	14.6	377448.8	28.35	1.51	9.89	1.22
09/10/2025 16:00	14.6	375528.8	28.09	1.51	9.56	1.22
09/10/2025 17:00	14.6	371947.6	27.21	1.45	9.60	1.28
09/10/2025 18:00	14.6	368750.5	26.29	1.53	10.22	1.34
09/10/2025 19:00	14.5	370599.3	26.25	1.46	10.75	1.40
09/10/2025 20:00	14.5	371304.8	26.38	1.46	10.62	1.33
09/10/2025 21:00	14.5	367103.5	26.34	1.48	10.98	1.44
09/10/2025 22:00	14.6	367348.2	26.71	1.62	11.12	1.49
09/10/2025 23:00	14.5	349263.2	25.44	1.52	10.95	1.43
10/10/2025 00:00	14.5	345858.4	25.22	1.56	10.20	1.52
10/10/2025 01:00	14.5	345662.1	24.09	1.62	10.84	1.66
10/10/2025 02:00	14.5	344712.1	24.80	1.53	10.81	1.75
10/10/2025 03:00	14.5	342055.3	24.52	1.49	10.49	1.62
10/10/2025 04:00	14.4	340436.9	24.12	1.53	10.91	1.64
10/10/2025 05:00	14.4	334196.2	23.97	1.43	17.84	1.58
10/10/2025 06:00	14.4	334031.2	23.87	1.54	12.33	1.59
10/10/2025 07:00	14.5	340459.6	24.71	1.53	11.37	1.47
10/10/2025 08:00	14.5	339586.4	25.43	1.56	11.12	1.43
10/10/2025 09:00	14.6	333715.4	30.32	1.53	10.89	1.20
10/10/2025 10:00	14.6	373097.4	28.84	1.47	9.64	1.24
10/10/2025 11:00	14.6	368528.6	28.89	1.55	9.53	1.22
10/10/2025 12:00	14.7	303396.5	32.95	1.34	12.43	1.14
10/10/2025 13:00	14.7	350631.3	30.78	1.28	10.41	1.21
10/10/2025 14:00	14.7	374570.2	29.61	1.34	8.92	1.23
10/10/2025 15:00	14.6	369911.0	29.25	1.32	11.53	1.18
10/10/2025 16:00	14.6	368704.9	27.87	1.40	11.16	1.18
10/10/2025 17:00	14.6	364953.1	28.48	1.21	10.97	1.25
10/10/2025 18:00	14.6	363317.6	27.14	1.36	11.14	1.45
10/10/2025 19:00	14.6	365704.1	26.86	1.47	11.20	1.38
10/10/2025 20:00	14.6	366656.9	27.16	1.38	11.42	1.47
10/10/2025 21:00	14.6	362492.7	27.08	1.43	11.24	1.47
10/10/2025 22:00	14.6	361389.0	27.05	1.56	11.16	1.38
10/10/2025 23:00	14.5	339105.7	26.62	1.55	12.16	1.53
11/10/2025 00:00	14.4	329562.6	23.83	1.50	12.03	1.70
11/10/2025 01:00	14.4	327176.1	23.75	1.18	12.27	1.71
11/10/2025 02:00	14.4	324195.1	23.47	1.33	12.14	1.54
11/10/2025 03:00	14.4	321242.6	23.07	1.39	12.04	1.50
11/10/2025 04:00	14.4	318594.4	23.12	1.35	11.95	1.50
11/10/2025 05:00	14.4	312973.8	22.15	1.39	12.32	1.51
11/10/2025 06:00	14.4	313329.3	22.02	1.47	12.07	1.56
11/10/2025 07:00	14.4	318500.5	22.33	1.67	11.38	1.56
11/10/2025 08:00	14.4	317940.2	22.37	1.65	10.77	1.48
11/10/2025 09:00	14.6	315818.2	28.39	1.60	11.18	1.32
11/10/2025 10:00	14.5	347903.5	24.98	1.57	10.08	1.31
11/10/2025 11:00	14.6	347394.4	26.00	1.54	9.79	1.30
11/10/2025 12:00	14.7	290378.7	34.49	1.40	13.18	1.13
11/10/2025 13:00	14.6	333394.0	25.90	1.29	10.38	1.40
11/10/2025 14:00	14.5	352207.2	24.38	1.24	10.51	1.31
11/10/2025 15:00	14.5	349695.5	25.69	1.33	10.27	1.26
11/10/2025 16:00	14.5	346492.7	24.68	1.45	11.04	1.26
11/10/2025 17:00	14.5	343568.6	24.70	1.41	10.35	1.32
11/10/2025 18:00	14.5	341446.6	24.98	1.43	10.93	1.32
11/10/2025 19:00	14.5	343605.6	24.96	1.49	11.65	1.32
11/10/2025 20:00	14.5	343173.2	24.88	1.36	11.15	1.34
11/10/2025 21:00	14.5	341187.8	24.84	1.38	10.92	1.34
11/10/2025 22:00	14.5	341725.4	24.81	1.47	10.39	1.34
11/10/2025 23:00	14.5	322679.0	25.25	1.36	11.14	1.34

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
12/10/2025 00:00	14.4	314154.2	22.13	1.39	11.47	1.36
12/10/2025 01:00	14.4	314762.9	22.29	1.43	12.60	1.35
12/10/2025 02:00	14.4	314370.4	22.16	1.37	12.11	1.39
12/10/2025 03:00	14.4	313406.1	21.83	1.45	12.62	1.39
12/10/2025 04:00	14.4	309921.7	21.66	1.40	13.64	1.45
12/10/2025 05:00	14.4	304659.4	20.89	1.45	12.35	1.45
12/10/2025 06:00	14.4	304050.7	20.49	1.47	14.60	1.51
12/10/2025 07:00	14.4	301075.4	19.84	1.22	13.73	1.56
12/10/2025 08:00	14.4	300899.1	20.57	1.14	12.55	1.48
12/10/2025 09:00	14.5	297027.8	20.32	1.34	12.54	1.38
12/10/2025 10:00	14.5	297525.6	20.49	1.11	11.47	1.37
12/10/2025 11:00	14.5	297477.2	20.59	1.26	10.73	1.35
12/10/2025 12:00	14.5	295215.9	20.04	1.29	10.87	1.29
12/10/2025 13:00	14.5	297238.3	20.35	1.22	11.37	1.31
12/10/2025 14:00	14.5	300853.6	21.29	1.41	11.20	1.32
12/10/2025 15:00	14.4	300455.3	20.86	1.37	11.97	1.33
12/10/2025 16:00	14.4	300458.2	21.17	1.29	12.03	1.36
12/10/2025 17:00	14.5	297628.0	22.11	1.32	12.84	1.32
12/10/2025 18:00	14.6	299513.3	31.36	1.26	13.79	1.22
12/10/2025 19:00	14.5	331237.9	23.77	1.27	12.07	1.36
12/10/2025 20:00	14.5	331220.9	24.05	1.31	12.07	1.42
12/10/2025 21:00	14.5	331730.0	24.07	1.31	11.62	1.44
12/10/2025 22:00	14.5	311799.0	25.05	1.23	11.95	1.41
12/10/2025 23:00	14.4	298873.8	20.11	1.18	11.49	1.40
13/10/2025 00:00	14.4	297790.1	19.31	1.35	11.52	1.40
13/10/2025 01:00	14.4	297714.3	18.94	1.29	12.01	1.54
13/10/2025 02:00	14.4	297354.9	18.81	1.33	11.82	1.65
13/10/2025 03:00	14.4	296493.0	19.69	1.33	11.94	1.51
13/10/2025 04:00	14.5	294874.6	21.85	1.40	11.98	1.44
13/10/2025 05:00	14.5	290937.8	26.37	1.45	12.36	1.45
13/10/2025 06:00	14.5	289805.8	28.69	1.35	12.81	1.39
13/10/2025 07:00	14.5	288750.5	29.46	1.36	12.96	1.31
13/10/2025 08:00	14.5	289100.3	28.85	1.31	12.44	1.33
13/10/2025 09:00	14.6	334423.7	28.79	1.30	10.99	1.35
13/10/2025 10:00	14.6	378984.8	28.07	1.35	9.10	1.31
13/10/2025 11:00	14.7	376265.5	28.27	1.33	8.30	1.29
13/10/2025 12:00	14.7	301233.0	33.71	1.10	10.91	1.28
13/10/2025 13:00	14.6	315969.8	27.67	1.19	9.91	1.45
13/10/2025 14:00	14.5	336713.5	24.72	1.29	8.53	1.37
13/10/2025 15:00	14.5	334361.1	25.09	1.24	10.39	1.34
13/10/2025 16:00	14.4	331471.2	24.54	1.27	11.78	1.33
13/10/2025 17:00	14.4	329437.4	24.36	1.37	11.79	1.35
13/10/2025 18:00	14.4	330262.3	24.74	1.37	16.13	1.31
13/10/2025 19:00	14.4	330427.3	24.74	1.37	21.10	1.35
13/10/2025 20:00	14.4	329451.6	24.85	1.32	17.25	1.37
13/10/2025 21:00	14.4	330541.0	24.68	1.30	13.90	1.37
13/10/2025 22:00	14.4	331903.5	24.44	1.37	11.98	1.41
13/10/2025 23:00	14.5	310126.5	25.75	1.45	14.05	1.36
14/10/2025 00:00	14.4	294049.7	23.20	1.46	15.73	1.44
14/10/2025 01:00	14.4	294174.8	23.11	1.31	13.90	1.53
14/10/2025 02:00	14.5	293916.0	22.95	1.36	12.59	1.51
14/10/2025 03:00	14.5	293475.1	23.53	1.34	12.52	1.47
14/10/2025 04:00	14.4	293830.6	23.11	1.31	13.10	1.48
14/10/2025 05:00	14.4	293756.7	23.80	1.31	15.04	1.42
14/10/2025 06:00	14.4	298910.8	20.25	1.26	15.55	1.43
14/10/2025 07:00	14.4	314452.9	22.04	1.37	12.58	1.43
14/10/2025 08:00	14.5	332259.1	23.55	1.55	10.95	1.40
14/10/2025 09:00	14.6	322542.5	28.24	1.47	12.25	1.21
14/10/2025 10:00	14.6	357702.6	25.29	1.32	10.07	1.28
14/10/2025 11:00	14.6	359378.0	26.04	1.32	10.51	1.30
14/10/2025 12:00	14.7	297204.2	32.42	1.41	13.30	1.12
14/10/2025 13:00	14.6	339936.3	26.74	1.45	11.43	1.21
14/10/2025 14:00	14.6	359992.4	26.14	1.29	11.12	1.31
14/10/2025 15:00	14.5	355142.6	26.39	1.43	13.21	1.34
14/10/2025 16:00	14.5	353490.0	26.03	1.25	11.67	1.38
14/10/2025 17:00	14.5	352716.3	25.98	1.43	12.19	1.38

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
14/10/2025 18:00	14.5	352335.2	26.24	1.52	17.02	1.34
14/10/2025 19:00	14.5	356482.4	26.19	1.41	15.81	1.33
14/10/2025 20:00	14.5	356698.6	26.38	1.42	16.04	1.31
14/10/2025 21:00	14.5	354283.6	26.06	1.35	15.31	1.37
14/10/2025 22:00	14.5	356206.5	25.69	1.41	14.49	1.39
14/10/2025 23:00	14.5	337091.8	25.27	1.43	17.01	1.41
15/10/2025 00:00	14.4	332572.0	23.40	1.48	14.26	1.54
15/10/2025 01:00	14.4	333459.4	23.24	1.41	14.89	1.56
15/10/2025 02:00	14.4	332919.0	23.25	1.46	15.47	1.80
15/10/2025 03:00	14.4	331027.4	23.38	1.48	15.68	1.46
15/10/2025 04:00	14.4	331334.6	23.30	1.50	17.12	1.46
15/10/2025 05:00	14.4	327528.8	23.05	1.41	16.81	1.52
15/10/2025 06:00	14.4	327952.6	23.18	1.39	15.46	1.54
15/10/2025 07:00	14.5	339717.2	23.79	1.49	13.17	1.51
15/10/2025 08:00	14.5	344157.4	24.41	1.50	11.73	1.46
15/10/2025 09:00	14.6	333951.5	27.91	1.39	12.40	1.34
15/10/2025 10:00	14.6	368147.4	27.25	1.28	10.19	1.35
15/10/2025 11:00	14.6	364230.6	27.47	1.37	10.04	1.29
15/10/2025 12:00	14.7	299311.9	32.66	1.30	12.53	1.21
15/10/2025 13:00	14.7	346873.8	30.01	1.10	10.73	1.25
15/10/2025 14:00	14.7	371893.6	28.94	1.16	9.69	1.30
15/10/2025 15:00	14.6	372308.9	27.73	1.42	9.21	1.31
15/10/2025 16:00	14.6	370898.0	27.60	1.33	9.47	1.42
15/10/2025 17:00	14.6	368978.0	27.80	1.24	10.05	1.30
15/10/2025 18:00	14.5	365052.7	26.51	1.27	10.75	1.33
15/10/2025 19:00	14.5	365180.7	27.30	1.26	14.46	1.32
15/10/2025 20:00	14.5	365849.1	27.23	1.31	11.74	1.39
15/10/2025 21:00	14.5	361286.6	27.19	1.33	16.73	1.33
15/10/2025 22:00	14.5	362432.9	27.34	1.24	17.88	1.31
15/10/2025 23:00	14.5	351999.5	27.73	1.31	17.08	1.37
16/10/2025 00:00	14.5	375528.8	27.76	1.44	15.84	1.41
16/10/2025 01:00	14.5	375796.2	27.08	1.44	16.58	1.39
16/10/2025 02:00	14.5	375807.5	27.06	1.44	13.75	1.37
16/10/2025 03:00	14.5	375736.4	27.17	1.40	12.22	1.40
16/10/2025 04:00	14.5	375867.3	27.41	1.42	9.83	1.40
16/10/2025 05:00	14.5	376726.3	27.10	1.42	9.75	1.44
16/10/2025 06:00	14.5	376458.9	26.86	1.49	10.51	1.44
16/10/2025 07:00	14.6	378233.8	26.92	1.53	18.61	1.45
16/10/2025 08:00	14.5	364483.8	26.32	1.44	14.58	1.46
16/10/2025 09:00	14.6	329946.6	27.45	1.49	14.71	1.32
16/10/2025 10:00	14.6	368542.8	26.70	1.24	11.38	1.32
16/10/2025 11:00	14.6	368790.3	27.00	1.48	10.60	1.28
16/10/2025 12:00	14.7	303342.5	31.19	1.38	13.10	1.20
16/10/2025 13:00	14.7	352343.7	29.09	1.23	11.20	1.27
16/10/2025 14:00	14.7	376271.2	29.34	1.16	10.07	1.30
16/10/2025 15:00	14.7	375565.8	28.11	1.31	9.93	1.31
16/10/2025 16:00	14.6	373998.5	27.76	1.35	10.68	1.38
16/10/2025 17:00	14.6	371196.7	26.96	1.28	9.94	1.39
16/10/2025 18:00	14.6	368175.9	25.93	1.39	10.22	1.37
16/10/2025 19:00	14.6	371486.8	25.71	1.39	10.71	1.36
16/10/2025 20:00	14.6	373537.7	25.97	1.30	12.84	1.39
16/10/2025 21:00	14.6	368082.0	26.07	1.36	12.12	1.32
16/10/2025 22:00	14.6	367991.0	25.89	1.32	12.26	1.34
16/10/2025 23:00	14.6	355509.6	26.11	1.31	12.74	1.36
17/10/2025 00:00	14.6	381849.1	26.79	1.52	10.97	1.34
17/10/2025 01:00	14.6	379897.8	27.07	1.39	11.32	1.32
17/10/2025 02:00	14.6	379240.8	27.34	1.37	11.43	1.32
17/10/2025 03:00	14.6	379047.3	27.49	1.39	11.76	1.32
17/10/2025 04:00	14.6	379158.3	27.47	1.39	12.03	1.32
17/10/2025 05:00	14.6	379465.5	27.65	1.41	12.69	1.34
17/10/2025 06:00	14.6	378137.1	27.65	1.32	13.09	1.39
17/10/2025 07:00	14.6	378447.2	27.27	1.28	12.73	1.50
17/10/2025 08:00	14.6	365604.5	27.34	1.23	11.88	1.43
17/10/2025 09:00	14.6	332879.2	28.22	1.19	11.83	1.32
17/10/2025 10:00	14.6	372596.2	27.91	1.22	9.70	1.33
17/10/2025 11:00	14.7	369640.8	28.40	1.40	9.38	1.31

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
17/10/2025 12:00	14.7	303254.3	32.14	1.28	12.42	1.23
17/10/2025 13:00	14.7	353066.2	30.91	1.16	10.63	1.28
17/10/2025 14:00	14.7	376982.3	29.89	1.17	9.24	1.30
17/10/2025 15:00	14.6	367638.3	28.59	1.21	12.78	1.25
17/10/2025 16:00	14.6	369578.2	28.63	1.23	12.38	1.30
17/10/2025 17:00	14.6	366622.8	27.19	1.30	11.51	1.36
17/10/2025 18:00	14.6	364981.6	26.46	1.36	11.53	1.36
17/10/2025 19:00	14.6	369242.6	27.05	1.28	11.79	1.45
17/10/2025 20:00	14.6	370420.2	26.79	1.27	12.21	1.47
17/10/2025 21:00	14.6	367555.8	26.27	1.12	12.54	1.49
17/10/2025 22:00	14.6	367629.8	26.18	1.32	13.97	1.49
17/10/2025 23:00	14.6	352943.9	26.51	1.42	19.77	1.47
18/10/2025 00:00	14.6	381445.2	26.08	1.50	18.34	1.52
18/10/2025 01:00	14.6	379456.9	26.46	1.39	13.48	1.47
18/10/2025 02:00	14.6	379383.0	27.12	1.30	11.90	1.37
18/10/2025 03:00	14.6	378805.6	27.84	1.28	11.74	1.30
18/10/2025 04:00	14.6	379619.1	27.98	1.35	11.78	1.30
18/10/2025 05:00	14.6	379775.5	28.00	1.43	11.87	1.28
18/10/2025 06:00	14.6	379516.7	28.13	1.43	11.87	1.30
18/10/2025 07:00	14.6	381422.5	28.29	1.37	11.64	1.28
18/10/2025 08:00	14.6	366088.1	28.02	1.34	11.79	1.34
18/10/2025 09:00	14.6	331567.9	28.31	1.30	11.62	1.26
18/10/2025 10:00	14.7	370272.3	28.33	1.36	10.25	1.27
18/10/2025 11:00	14.7	367737.8	28.89	1.20	9.59	1.29
18/10/2025 12:00	14.7	302028.3	32.84	1.14	12.44	1.21
18/10/2025 13:00	14.7	349550.5	29.14	1.05	10.75	1.27
18/10/2025 14:00	14.7	372675.8	29.01	0.94	9.79	1.32
18/10/2025 15:00	14.7	373398.3	29.15	0.97	9.38	1.33
18/10/2025 16:00	14.7	374703.9	29.12	1.08	9.25	1.32
18/10/2025 17:00	14.7	368963.8	28.38	1.39	8.98	1.34
18/10/2025 18:00	14.7	367754.9	27.31	1.27	8.93	1.43
18/10/2025 19:00	14.7	371125.6	27.89	1.23	9.09	1.43
18/10/2025 20:00	14.6	369728.9	26.08	1.41	9.82	1.52
18/10/2025 21:00	14.6	365877.6	25.19	1.36	10.00	1.60
18/10/2025 22:00	14.5	365143.7	25.22	1.33	10.91	1.55
18/10/2025 23:00	14.5	346634.9	25.31	1.35	11.09	1.55
19/10/2025 00:00	14.5	345659.3	23.76	1.30	10.35	1.56
19/10/2025 01:00	14.5	348094.1	24.38	1.31	10.14	1.50
19/10/2025 02:00	14.5	346438.6	25.29	1.33	10.83	1.44
19/10/2025 03:00	14.5	343400.8	25.49	1.20	11.57	1.42
19/10/2025 04:00	14.5	341850.6	25.80	0.89	11.70	1.42
19/10/2025 05:00	14.5	333044.2	25.59	1.00	11.69	1.43
19/10/2025 06:00	14.5	328074.9	25.33	1.13	11.73	1.41
19/10/2025 07:00	14.5	324544.9	25.09	1.17	11.67	1.41
19/10/2025 08:00	14.5	320631.0	24.79	1.17	11.25	1.37
19/10/2025 09:00	14.5	316674.4	24.39	1.19	11.16	1.35
19/10/2025 10:00	14.5	313076.2	24.13	1.17	10.88	1.37
19/10/2025 11:00	14.5	311571.4	24.34	1.11	10.75	1.37
19/10/2025 12:00	14.5	313056.3	24.61	1.00	10.39	1.40
19/10/2025 13:00	14.5	315593.5	24.65	0.94	11.15	1.38
19/10/2025 14:00	14.6	324303.2	25.19	1.12	10.87	1.38
19/10/2025 15:00	14.6	325341.4	25.23	1.14	10.37	1.40
19/10/2025 16:00	14.6	328325.2	25.76	1.12	10.12	1.41
19/10/2025 17:00	14.6	325199.2	25.28	1.16	10.24	1.43
19/10/2025 18:00	14.7	318298.6	29.67	1.27	11.52	1.29
19/10/2025 19:00	14.6	358109.4	26.51	1.11	9.93	1.37
19/10/2025 20:00	14.6	358436.5	27.47	1.04	10.64	1.37
19/10/2025 21:00	14.6	357859.1	26.72	1.15	11.12	1.41
19/10/2025 22:00	14.6	347593.5	27.82	1.23	12.14	1.43
19/10/2025 23:00	14.6	380099.8	26.96	1.21	11.28	1.43
20/10/2025 00:00	14.6	380219.3	27.58	1.30	10.83	1.43
20/10/2025 01:00	14.6	380130.0	28.04	1.30	11.09	1.41
20/10/2025 02:00	14.6	380441.1	28.40	1.22	11.24	1.44
20/10/2025 03:00	14.6	380074.2	28.40	1.22	11.13	1.44
20/10/2025 04:00	14.6	379530.9	28.04	1.28	11.14	1.37
20/10/2025 05:00	14.6	379656.1	28.40	1.24	11.12	1.37

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
20/10/2025 06:00	14.6	379420.0	28.84	1.31	11.22	1.37
20/10/2025 07:00	14.6	379693.0	29.22	1.29	11.11	1.40
20/10/2025 08:00	14.6	364873.5	28.59	1.15	11.45	1.45
20/10/2025 09:00	14.6	336215.7	29.15	1.22	11.84	1.35
20/10/2025 10:00	14.7	370295.0	29.21	1.18	9.27	1.36
20/10/2025 11:00	14.7	367845.9	29.05	0.96	8.36	1.41
20/10/2025 12:00	14.7	302329.8	33.01	1.01	11.30	1.30
20/10/2025 13:00	14.7	348324.5	28.51	0.98	9.67	1.31
20/10/2025 14:00	14.7	373964.3	28.81	0.96	8.65	1.36
20/10/2025 15:00	14.7	373406.8	28.58	1.12	8.59	1.34
20/10/2025 16:00	14.6	372502.3	27.53	1.13	10.51	1.39
20/10/2025 17:00	14.6	370852.5	27.38	1.15	9.28	1.51
20/10/2025 18:00	14.6	369569.7	27.05	0.91	9.11	1.53
20/10/2025 19:00	14.6	373563.3	27.31	1.02	9.80	1.55
20/10/2025 20:00	14.6	373782.3	26.69	1.33	10.43	1.68
20/10/2025 21:00	14.6	369652.2	26.41	1.21	10.61	1.63
20/10/2025 22:00	14.6	369876.9	26.32	1.15	10.64	1.61
20/10/2025 23:00	14.6	355731.4	25.79	1.18	10.59	1.58
21/10/2025 00:00	14.6	380091.3	25.43	1.18	9.41	1.51
21/10/2025 01:00	14.6	380276.2	25.78	1.21	9.44	1.52
21/10/2025 02:00	14.6	379781.2	26.00	1.28	9.50	1.54
21/10/2025 03:00	14.6	379832.4	25.58	1.45	9.71	1.41
21/10/2025 04:00	14.6	379400.1	26.85	1.30	9.89	1.54
21/10/2025 05:00	14.6	379311.9	28.07	1.24	10.17	1.50
21/10/2025 06:00	14.6	378714.6	28.24	1.13	10.89	1.48
21/10/2025 07:00	14.6	380008.8	28.91	1.17	10.91	1.46
21/10/2025 08:00	14.6	365570.4	28.70	1.08	10.72	1.50
21/10/2025 09:00	14.6	331895.0	26.64	1.08	10.83	1.43
21/10/2025 10:00	14.7	372030.1	28.71	1.20	8.31	1.40
21/10/2025 11:00	14.7	371290.6	30.63	1.12	8.32	1.44
21/10/2025 12:00	14.7	304767.5	34.73	0.92	11.52	1.37
21/10/2025 13:00	14.7	353561.1	32.43	0.83	9.66	1.40
21/10/2025 14:00	14.8	378415.9	31.28	0.90	8.84	1.45
21/10/2025 15:00	14.7	378939.3	31.55	0.88	8.94	1.42
21/10/2025 16:00	14.7	377929.5	31.48	0.99	9.03	1.42
21/10/2025 17:00	14.7	375824.6	31.06	1.08	9.13	1.46
21/10/2025 18:00	14.7	371543.7	30.15	1.05	9.49	1.52
21/10/2025 19:00	14.7	371941.9	29.86	1.12	9.77	1.54
21/10/2025 20:00	14.7	372021.6	29.40	1.18	10.09	1.60
21/10/2025 21:00	14.6	368955.3	28.98	1.13	10.24	1.51
21/10/2025 22:00	14.6	365959.3	29.15	1.04	10.46	1.51
21/10/2025 23:00	14.6	354980.5	28.46	1.19	11.23	1.61
22/10/2025 00:00	14.7	380879.2	29.80	1.07	10.76	1.53
22/10/2025 01:00	14.6	380199.3	29.71	1.18	10.81	1.53
22/10/2025 02:00	14.6	379900.7	29.49	1.20	10.84	1.51
22/10/2025 03:00	14.6	379360.3	29.80	0.98	11.04	1.53
22/10/2025 04:00	14.6	379164.0	29.62	1.11	10.91	1.53
22/10/2025 05:00	14.6	378233.8	29.53	1.17	11.13	1.48
22/10/2025 06:00	14.6	378088.8	29.75	1.17	11.44	1.48
22/10/2025 07:00	14.6	378572.3	30.06	1.07	11.26	1.49
22/10/2025 08:00	14.6	363971.8	29.55	1.15	11.45	1.50
22/10/2025 09:00	14.7	331806.8	32.03	1.16	11.48	1.45
22/10/2025 10:00	14.7	372638.8	30.68	1.20	9.88	1.47
22/10/2025 11:00	calibrate	calibrate	calibrate	calibrate	calibrate	calibrate
22/10/2025 12:00	14.6	304059.3	45.22	1.68	12.00	1.39
22/10/2025 13:00	14.7	352943.9	43.57	1.06	10.29	1.40
22/10/2025 14:00	14.8	375434.9	42.59	1.18	9.42	1.48
22/10/2025 15:00	14.8	374558.8	42.88	0.77	9.05	1.43
22/10/2025 16:00	14.8	376254.1	42.92	0.75	9.06	1.40
22/10/2025 17:00	14.7	373623.0	42.13	0.93	9.16	1.40
22/10/2025 18:00	14.7	369410.4	40.56	1.14	9.53	1.43
22/10/2025 19:00	14.7	370997.6	40.20	1.05	9.76	1.48
22/10/2025 20:00	14.7	370496.9	39.63	1.05	10.08	1.52
22/10/2025 21:00	14.7	366437.9	38.65	1.07	10.27	1.58
22/10/2025 22:00	14.7	367501.8	38.76	1.05	10.21	1.53
22/10/2025 23:00	14.6	361784.4	38.65	1.06	10.82	1.57

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
23/10/2025 00:00	14.7	379255.0	39.49	1.11	10.49	1.51
23/10/2025 01:00	14.7	378063.2	39.28	1.13	10.72	1.53
23/10/2025 02:00	14.6	378105.8	39.37	0.84	10.75	1.64
23/10/2025 03:00	14.6	377798.6	38.93	1.09	10.89	1.57
23/10/2025 04:00	14.6	377983.5	39.28	0.78	11.24	1.57
23/10/2025 05:00	14.6	377932.3	39.44	0.93	11.37	1.53
23/10/2025 06:00	14.6	378077.4	39.42	1.04	11.46	1.51
23/10/2025 07:00	14.6	378879.5	39.72	1.02	11.06	1.49
23/10/2025 08:00	14.6	363505.3	39.58	1.02	11.13	1.51
23/10/2025 09:00	14.7	330290.7	42.52	1.00	11.49	1.43
23/10/2025 10:00	14.7	368869.9	40.04	0.94	9.78	1.45
23/10/2025 11:00	14.7	367453.4	40.29	0.92	9.35	1.46
23/10/2025 12:00	14.7	304545.7	45.75	0.90	11.45	1.37
23/10/2025 13:00	14.7	351538.7	42.51	0.88	9.89	1.42
23/10/2025 14:00	14.7	371415.7	40.87	0.86	9.19	1.44
23/10/2025 15:00	14.7	379066.3	41.11	0.83	9.08	1.44
23/10/2025 16:00	14.7	369763.1	41.07	0.92	9.18	1.48
23/10/2025 17:00	14.7	368178.7	40.31	0.96	9.46	1.46
23/10/2025 18:00	14.7	365084.0	39.67	0.78	9.99	1.47
23/10/2025 19:00	14.7	368704.9	39.89	0.80	10.03	1.47
23/10/2025 20:00	14.7	370542.5	40.18	0.85	9.92	1.45
23/10/2025 21:00	14.7	367063.7	39.85	0.80	10.02	1.49
23/10/2025 22:00	14.7	367299.8	39.43	0.94	10.29	1.49
23/10/2025 23:00	14.6	363417.1	39.19	0.91	10.84	1.51
24/10/2025 00:00	14.7	379354.6	40.10	0.87	10.72	1.49
24/10/2025 01:00	14.7	378282.2	39.99	0.93	10.83	1.51
24/10/2025 02:00	14.6	378063.2	39.90	0.98	10.88	1.53
24/10/2025 03:00	14.6	378012.0	39.88	1.09	10.81	1.49
24/10/2025 04:00	14.6	378586.6	39.95	1.07	10.95	1.47
24/10/2025 05:00	14.6	378583.7	40.15	0.93	11.19	1.47
24/10/2025 06:00	14.6	378799.9	40.08	1.02	11.21	1.47
24/10/2025 07:00	14.7	378962.0	40.76	0.89	10.92	1.49
24/10/2025 08:00	14.6	365035.6	40.46	0.89	10.81	1.49
24/10/2025 09:00	14.6	329090.4	41.19	0.93	11.00	1.37
24/10/2025 10:00	14.6	367382.3	38.14	0.95	8.63	1.39
24/10/2025 11:00	14.7	368127.5	40.18	1.01	8.24	1.41
24/10/2025 12:00	14.7	303359.5	45.52	0.99	11.16	1.35
24/10/2025 13:00	14.8	350261.6	42.42	0.86	9.06	1.40
24/10/2025 14:00	14.7	372263.3	40.75	0.93	7.94	1.47
24/10/2025 15:00	14.8	373219.1	40.86	0.81	8.00	1.45
24/10/2025 16:00	14.7	373788.0	40.87	0.93	8.15	1.47
24/10/2025 17:00	14.7	369783.0	39.86	0.96	8.79	1.50
24/10/2025 18:00	14.7	366716.7	39.51	0.87	9.43	1.47
24/10/2025 19:00	14.7	369606.6	39.38	0.80	10.02	1.49
24/10/2025 20:00	14.7	370243.8	39.10	1.02	10.32	1.49
24/10/2025 21:00	14.6	367726.5	38.73	0.89	10.40	1.53
24/10/2025 22:00	14.6	368451.8	38.47	0.91	10.67	1.53
24/10/2025 23:00	14.6	355902.1	39.40	0.77	11.31	1.51
25/10/2025 00:00	14.7	381496.4	39.70	0.71	10.88	1.51
25/10/2025 01:00	14.6	379960.4	39.26	0.98	10.82	1.51
25/10/2025 02:00	14.6	380065.7	39.37	1.07	10.99	1.51
25/10/2025 03:00	14.6	379570.7	39.37	0.98	11.13	1.51
25/10/2025 04:00	14.6	379300.5	39.68	0.98	11.06	1.53
25/10/2025 05:00	14.7	379215.2	40.63	1.02	10.85	1.47
25/10/2025 06:00	14.7	379198.1	40.63	0.93	10.88	1.47
25/10/2025 07:00	14.7	379721.5	41.01	0.91	10.75	1.47
25/10/2025 08:00	14.6	364648.8	40.61	0.78	10.86	1.51
25/10/2025 09:00	14.7	329895.3	43.04	0.76	11.04	1.39
25/10/2025 10:00	14.7	369552.6	40.76	0.92	9.12	1.39
25/10/2025 11:00	14.7	366278.6	40.04	0.99	8.61	1.41
25/10/2025 12:00	14.7	303106.4	45.82	0.97	11.56	1.37
25/10/2025 13:00	14.7	349974.3	41.95	0.85	9.93	1.41
25/10/2025 14:00	14.7	368241.3	39.73	0.96	9.60	1.48
25/10/2025 15:00	14.7	370582.3	39.86	0.85	9.55	1.48
25/10/2025 16:00	14.7	370906.6	39.93	1.01	9.62	1.48
25/10/2025 17:00	14.7	366079.5	39.20	0.85	9.59	1.50

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
25/10/2025 18:00	14.7	363149.8	38.62	0.87	9.88	1.49
25/10/2025 19:00	14.7	366682.6	38.74	0.82	10.09	1.51
25/10/2025 20:00	14.7	367001.1	38.43	0.96	10.27	1.53
25/10/2025 21:00	14.7	364990.1	38.32	0.93	10.34	1.53
25/10/2025 22:00	14.6	363758.5	37.84	0.86	10.53	1.55
25/10/2025 23:00	14.6	343756.3	37.54	0.84	11.26	1.56
26/10/2025 00:00	14.6	343139.1	35.51	0.83	10.92	1.55
26/10/2025 01:00	14.6	343642.6	35.71	0.86	11.07	1.56
26/10/2025 02:00	14.6	342135.0	35.61	0.94	10.99	1.55
26/10/2025 03:00	14.5	339910.6	35.36	0.92	11.17	1.55
26/10/2025 04:00	14.5	337319.3	35.39	0.89	11.24	1.55
26/10/2025 05:00	14.5	328510.1	34.84	0.87	11.51	1.56
26/10/2025 06:00	14.5	323003.3	33.94	0.82	11.80	1.56
26/10/2025 07:00	14.5	319035.3	33.57	0.86	11.91	1.56
26/10/2025 08:00	14.5	316506.6	33.55	0.93	11.58	1.52
26/10/2025 09:00	14.5	313980.7	33.67	0.91	10.94	1.50
26/10/2025 10:00	14.5	310550.3	33.85	0.98	10.64	1.48
26/10/2025 11:00	14.5	310513.3	34.05	0.92	10.09	1.48
26/10/2025 12:00	14.5	311511.7	34.06	0.79	10.17	1.48
26/10/2025 13:00	14.6	322650.6	35.06	0.88	9.93	1.49
26/10/2025 14:00	14.5	316569.1	34.33	0.74	10.25	1.49
26/10/2025 15:00	14.6	323290.6	34.83	0.85	10.09	1.49
26/10/2025 16:00	14.5	320076.3	34.37	0.94	10.43	1.48
26/10/2025 17:00	14.7	313683.3	41.28	0.85	11.74	1.36
26/10/2025 18:00	14.6	349977.1	36.53	0.71	10.41	1.48
26/10/2025 19:00	14.6	354266.6	37.27	0.67	10.57	1.55
26/10/2025 20:00	14.6	355862.3	36.94	0.82	10.49	1.55
26/10/2025 21:00	14.6	356200.8	37.60	0.80	10.22	1.64
26/10/2025 22:00	14.6	350506.2	38.84	0.80	10.97	2.02
26/10/2025 23:00	14.7	379889.3	38.52	0.93	10.59	1.69
27/10/2025 00:00	14.6	379036.0	38.41	0.87	10.24	1.58
27/10/2025 01:00	14.6	379073.2	39.17	0.89	9.86	1.55
27/10/2025 02:00	14.7	378734.5	39.59	0.93	10.48	1.47
27/10/2025 03:00	14.6	378762.9	39.04	1.09	10.66	1.49
27/10/2025 04:00	14.6	379038.8	38.86	1.00	10.73	1.49
27/10/2025 05:00	14.6	378979.1	38.73	0.91	10.82	1.46
27/10/2025 06:00	14.6	378145.7	38.42	0.91	11.09	1.48
27/10/2025 07:00	14.6	378364.7	38.42	0.80	11.07	1.53
27/10/2025 08:00	14.6	367279.9	37.98	0.84	11.52	1.54
27/10/2025 09:00	14.6	338044.7	36.95	0.86	11.79	1.50
27/10/2025 10:00	14.7	373076.9	38.19	0.89	10.16	1.47
27/10/2025 11:00	14.7	370121.5	38.38	0.80	9.71	1.49
27/10/2025 12:00	14.7	304594.0	42.88	0.89	12.07	1.43
27/10/2025 13:00	14.7	353666.4	40.62	0.87	10.04	1.43
27/10/2025 14:00	14.7	379866.6	40.13	0.88	9.32	1.46
27/10/2025 15:00	14.7	377167.2	39.51	0.80	9.79	1.50
27/10/2025 16:00	14.7	375912.8	39.11	0.94	9.93	1.47
27/10/2025 17:00	14.7	370388.9	39.18	0.71	10.00	1.47
27/10/2025 18:00	14.6	366455.0	38.17	0.78	10.52	1.49
27/10/2025 19:00	14.6	369618.0	38.04	0.80	10.35	1.49
27/10/2025 20:00	14.6	370900.9	38.24	0.71	10.42	1.51
27/10/2025 21:00	14.6	369379.1	38.09	0.84	10.62	1.49
27/10/2025 22:00	14.6	369845.6	38.39	0.84	10.48	1.47
27/10/2025 23:00	shut down	shut down	shut down	shut down	shut down	shut down
28/10/2025 00:00	shut down	shut down	shut down	shut down	shut down	shut down
28/10/2025 01:00	shut down	shut down	shut down	shut down	shut down	shut down
28/10/2025 02:00	shut down	shut down	shut down	shut down	shut down	shut down
28/10/2025 03:00	shut down	shut down	shut down	shut down	shut down	shut down
28/10/2025 04:00	shut down	shut down	shut down	shut down	shut down	shut down
28/10/2025 05:00	shut down	shut down	shut down	shut down	shut down	shut down
28/10/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
28/10/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
28/10/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
28/10/2025 09:00	14.8	313981.2	52.79	1.11	12.88	1.52
28/10/2025 10:00	14.6	364096.9	38.52	0.93	10.30	1.48
28/10/2025 11:00	14.6	362558.1	38.73	1.04	10.23	1.46

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
28/10/2025 12:00	14.7	303294.1	42.97	1.09	12.32	1.36
28/10/2025 13:00	14.7	352252.7	41.01	1.29	10.32	1.40
28/10/2025 14:00	14.7	373606.2	35.85	3.12	9.68	1.36
28/10/2025 15:00	calibrate	calibrate	calibrate	calibrate	calibrate	calibrate
28/10/2025 16:00	14.6	375810.3	40.27	4.19	9.16	0.59
28/10/2025 17:00	14.7	371293.4	39.69	3.01	9.91	0.51
28/10/2025 18:00	14.6	366938.6	37.07	2.86	10.16	0.53
28/10/2025 19:00	14.6	368266.9	35.95	2.86	10.29	0.58
28/10/2025 20:00	14.6	369416.1	35.20	2.78	10.12	0.62
28/10/2025 21:00	14.6	367729.3	34.33	2.65	10.04	0.66
28/10/2025 22:00	14.6	367626.9	33.68	2.69	10.22	0.66
28/10/2025 23:00	14.6	352781.8	33.80	2.64	11.04	0.64
29/10/2025 00:00	14.6	379129.8	34.07	2.71	10.77	0.62
29/10/2025 01:00	14.6	378714.6	33.95	2.69	11.01	0.64
29/10/2025 02:00	14.6	376820.2	33.42	2.67	10.62	0.64
29/10/2025 03:00	14.6	376899.8	33.17	2.62	10.78	0.64
29/10/2025 04:00	14.6	377013.6	33.60	2.65	10.83	0.62
29/10/2025 05:00	14.6	376470.3	33.26	2.67	10.99	0.62
29/10/2025 06:00	14.6	376018.0	32.98	2.69	11.17	0.59
29/10/2025 07:00	14.6	375804.7	32.98	2.53	11.15	0.62
29/10/2025 08:00	14.6	362148.5	32.34	2.46	11.73	0.68
29/10/2025 09:00	14.6	331402.9	34.14	2.48	11.53	0.55
29/10/2025 10:00	14.7	372465.3	33.68	2.56	9.38	0.53
29/10/2025 11:00	14.7	370807.0	33.17	2.52	9.16	0.58
29/10/2025 12:00	14.7	305447.3	36.22	2.48	11.64	0.45
29/10/2025 13:00	14.7	353128.8	34.69	2.40	10.09	0.49
29/10/2025 14:00	14.7	375841.7	34.10	2.35	9.12	0.61
29/10/2025 15:00	14.7	375722.2	33.83	2.35	9.21	0.61
29/10/2025 16:00	14.7	377397.6	34.47	2.34	9.16	0.67
29/10/2025 17:00	14.7	371740.0	33.20	2.45	9.26	0.65
29/10/2025 18:00	14.6	368056.4	32.40	2.40	9.99	0.62
29/10/2025 19:00	14.6	369373.4	32.14	2.39	10.43	0.64
29/10/2025 20:00	14.6	369256.8	31.76	2.28	10.74	0.84
29/10/2025 21:00	14.6	366605.8	31.40	2.34	10.59	0.68
29/10/2025 22:00	14.6	367527.3	30.98	2.38	10.57	0.73
29/10/2025 23:00	shut down	shut down	shut down	shut down	shut down	shut down
30/10/2025 00:00	shut down	shut down	shut down	shut down	shut down	shut down
30/10/2025 01:00	shut down	shut down	shut down	shut down	shut down	shut down
30/10/2025 02:00	shut down	shut down	shut down	shut down	shut down	shut down
30/10/2025 03:00	shut down	shut down	shut down	shut down	shut down	shut down
30/10/2025 04:00	shut down	shut down	shut down	shut down	shut down	shut down
30/10/2025 05:00	shut down	shut down	shut down	shut down	shut down	shut down
30/10/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
30/10/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
30/10/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
30/10/2025 09:00	14.7	320766.6	30.90	2.27	13.25	0.49
30/10/2025 10:00	14.6	372601.8	30.08	2.30	10.70	0.46
30/10/2025 11:00	14.6	369592.4	30.84	2.38	10.82	0.46
30/10/2025 12:00	14.6	307080.1	34.48	2.35	12.84	0.42
30/10/2025 13:00	14.6	352286.8	31.43	2.27	12.45	0.53
30/10/2025 14:00	14.6	371833.8	30.08	2.37	11.99	0.57
30/10/2025 15:00	14.6	371051.6	30.18	2.38	9.93	0.55
30/10/2025 16:00	14.6	372203.6	30.55	2.34	10.35	0.53
30/10/2025 17:00	14.6	367831.7	30.15	2.29	11.11	0.59
30/10/2025 18:00	14.6	362637.8	29.00	2.30	11.80	0.59
30/10/2025 19:00	14.5	365260.3	28.72	2.24	18.54	0.61
30/10/2025 20:00	14.5	365852.0	28.67	2.18	11.22	0.61
30/10/2025 21:00	14.5	363565.0	28.52	2.28	11.51	0.48
30/10/2025 22:00	14.5	364773.9	28.91	2.24	14.82	0.54
30/10/2025 23:00	14.5	353993.5	28.72	2.31	12.22	0.61
31/10/2025 00:00	14.5	376845.8	29.48	2.40	11.34	0.57
31/10/2025 01:00	14.5	375634.0	29.26	2.38	11.26	0.57
31/10/2025 02:00	14.5	376171.6	29.06	2.37	11.55	0.57
31/10/2025 03:00	14.5	376410.6	29.50	2.25	12.09	0.57
31/10/2025 04:00	14.5	376114.7	29.00	2.37	13.70	0.61
31/10/2025 05:00	14.5	375540.2	28.76	2.37	14.97	0.65

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/10/2025 00:00-31/08/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
31/10/2025 06:00	14.5	375653.9	28.48	2.40	13.22	0.65
31/10/2025 07:00	14.5	375454.8	28.45	2.37	14.36	0.68
31/10/2025 08:00	14.5	361207.0	28.26	2.39	12.77	0.65
31/10/2025 09:00	14.6	329727.5	29.49	2.30	12.45	0.50
31/10/2025 10:00	14.5	370929.3	27.82	2.27	10.53	0.57
31/10/2025 11:00	14.6	373233.3	29.41	2.29	10.66	0.62
31/10/2025 12:00	14.6	305891.1	31.84	2.25	12.57	0.49
31/10/2025 13:00	14.6	354400.3	30.58	2.28	11.16	0.51
31/10/2025 14:00	14.6	375469.0	29.52	2.25	10.52	0.53
31/10/2025 15:00	14.6	373964.3	29.10	2.18	10.99	0.57
31/10/2025 16:00	14.6	375779.1	29.32	2.23	11.12	0.57
31/10/2025 17:00	14.6	369032.1	28.55	2.21	11.86	0.55
31/10/2025 18:00	14.5	363010.4	28.06	2.33	12.23	0.54
31/10/2025 19:00	14.5	366824.8	28.48	2.27	11.37	0.54
31/10/2025 20:00	14.5	368096.3	28.54	2.27	10.93	0.57
31/10/2025 21:00	14.5	365954.4	28.13	2.22	11.03	0.57
31/10/2025 22:00	14.5	367191.7	27.84	2.18	13.23	0.63
31/10/2025 23:00	14.5	354716.0	27.06	2.17	14.48	0.67
Minimum	14.33	288,750.50	18.81	0.67	7.81	0.42
Maximum	14.79	381,849.10	52.79	4.19	21.30	2.02
Avg	14.56	353,533.29	29.65	1.35	11.29	1.28
SUM						
STD			STD = 60	STD = 6	STD = 28	STD = 690

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
01/11/2025 00:00	14.6	324380.0	10.18	0.69	14.81	1.55
01/11/2025 01:00	14.6	323336.1	9.94	0.62	14.39	1.55
01/11/2025 02:00	14.6	323154.0	4.49	4.41	13.99	1.23
01/11/2025 03:00	14.6	320850.0	7.62	1.34	14.19	1.43
01/11/2025 04:00	14.6	320070.6	9.74	0.40	14.41	1.56
01/11/2025 05:00	14.6	316674.4	10.49	0.46	16.70	1.61
01/11/2025 06:00	14.6	315246.5	11.85	0.18	17.45	1.68
01/11/2025 07:00	14.7	324215.0	10.50	0.44	13.12	1.60
01/11/2025 08:00	14.7	332057.1	27.51	0.83	10.61	1.58
01/11/2025 09:00	14.7	324388.5	44.89	1.80	10.64	1.46
01/11/2025 10:00	14.7	321618.0	44.15	1.53	8.58	1.44
01/11/2025 11:00	14.7	317263.2	43.33	1.32	8.27	1.45
01/11/2025 12:00	14.6	314848.3	42.19	1.55	8.17	1.42
01/11/2025 13:00	14.7	361124.5	51.47	1.59	8.58	1.39
01/11/2025 14:00	14.7	363306.2	50.74	1.65	7.46	1.38
01/11/2025 15:00	14.7	362831.2	51.69	1.79	7.67	1.41
01/11/2025 16:00	14.7	363263.5	51.08	1.54	8.13	1.47
01/11/2025 17:00	14.7	362003.4	48.37	2.09	8.87	1.35
01/11/2025 18:00	14.7	358328.4	47.55	1.98	15.09	1.35
01/11/2025 19:00	14.8	363701.6	48.63	2.65	13.97	1.29
01/11/2025 20:00	14.8	364424.1	47.72	3.48	11.99	1.29
01/11/2025 21:00	14.8	365075.4	50.91	2.18	9.77	1.43
01/11/2025 22:00	14.8	369874.0	51.59	3.06	8.96	1.18
01/11/2025 23:00	14.6	320173.0	40.43	2.82	13.66	1.31
02/11/2025 00:00	14.6	317237.6	41.74	2.07	12.30	1.38
02/11/2025 01:00	14.6	316577.7	41.50	2.11	23.83	1.40
02/11/2025 02:00	14.6	316216.4	40.75	2.39	8.76	1.37
02/11/2025 03:00	14.6	314324.9	39.03	3.31	13.59	1.30
02/11/2025 04:00	14.6	310962.7	40.78	2.68	12.18	1.39
02/11/2025 05:00	14.6	303754.9	39.20	4.08	14.71	1.25
02/11/2025 06:00	14.6	299320.4	43.39	2.39	13.55	1.49
02/11/2025 07:00	14.6	292462.5	45.39	2.16	15.22	1.47
02/11/2025 08:00	14.6	287305.5	47.59	1.77	11.30	1.50
02/11/2025 09:00	14.6	280552.8	49.68	1.44	8.46	1.46
02/11/2025 10:00	14.6	282828.3	48.54	1.39	7.90	1.46
02/11/2025 11:00	14.6	279463.3	49.04	1.77	7.65	1.40
02/11/2025 12:00	14.6	279073.7	46.93	2.58	7.15	1.30
02/11/2025 13:00	14.6	280128.9	49.73	1.28	8.08	1.43
02/11/2025 14:00	14.6	279568.6	50.27	1.15	7.42	1.45
02/11/2025 15:00	14.6	285132.3	49.81	1.15	7.43	1.46
02/11/2025 16:00	14.6	291222.3	46.07	2.26	7.13	1.31
02/11/2025 17:00	14.7	309469.4	48.92	1.23	7.26	1.47
02/11/2025 18:00	14.7	363658.9	51.45	1.51	8.04	1.44
02/11/2025 19:00	14.8	365431.0	51.83	1.83	8.18	1.42
02/11/2025 20:00	14.8	367561.5	53.01	1.77	8.78	1.32
02/11/2025 21:00	14.8	351399.3	52.35	1.70	10.33	1.27
02/11/2025 22:00	14.7	295056.6	46.97	1.89	8.72	1.38
02/11/2025 23:00	14.6	295688.1	45.47	2.26	18.14	1.62
03/11/2025 00:00	14.6	295235.8	45.02	2.28	18.08	1.42
03/11/2025 01:00	14.6	294572.6	43.71	2.67	13.02	1.37
03/11/2025 02:00	14.6	294430.8	44.26	2.29	16.39	1.39
03/11/2025 03:00	14.6	292806.6	41.22	4.12	17.03	1.21
03/11/2025 04:00	14.6	293096.8	43.09	3.18	17.76	1.28
03/11/2025 05:00	14.6	292490.9	41.99	3.77	18.69	1.24
03/11/2025 06:00	14.6	299431.3	41.06	3.81	17.15	1.22
03/11/2025 07:00	14.7	317351.3	40.31	2.44	14.93	1.39
03/11/2025 08:00	14.7	325332.9	40.98	1.94	11.49	1.47
03/11/2025 09:00	14.7	302605.8	45.04	1.48	8.79	1.48
03/11/2025 10:00	14.7	291776.9	45.47	2.10	8.01	1.43
03/11/2025 11:00	14.7	292781.0	45.70	1.99	7.69	1.43
03/11/2025 12:00	14.7	297340.7	45.77	1.57	7.54	1.43
03/11/2025 13:00	14.8	364535.0	50.45	2.49	8.64	1.25
03/11/2025 14:00	14.7	364736.9	48.90	2.97	8.43	1.19
03/11/2025 15:00	14.7	364236.3	51.44	1.80	7.47	1.28
03/11/2025 16:00	14.7	364583.3	52.65	1.26	7.22	1.35
03/11/2025 17:00	14.8	365553.3	53.54	1.04	7.49	1.43

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
03/11/2025 18:00	14.8	365792.3	53.76	1.34	8.13	1.43
03/11/2025 19:00	14.8	365749.6	54.44	1.55	8.41	1.46
03/11/2025 20:00	14.8	366981.2	53.98	1.50	8.66	1.55
03/11/2025 21:00	14.8	366051.1	53.55	1.48	8.26	1.51
03/11/2025 22:00	14.8	367348.2	53.15	1.44	7.80	1.44
03/11/2025 23:00	14.7	321686.3	41.59	1.74	8.03	1.44
04/11/2025 00:00	14.7	321430.3	40.84	1.90	9.97	1.42
04/11/2025 01:00	14.7	321564.0	39.50	2.56	11.25	1.35
04/11/2025 02:00	14.7	319834.6	41.03	2.16	12.98	1.44
04/11/2025 03:00	14.7	320042.2	40.15	2.38	17.09	1.39
04/11/2025 04:00	14.7	318051.1	41.45	1.84	15.95	1.44
04/11/2025 05:00	14.7	313573.9	37.29	4.57	14.91	1.25
04/11/2025 06:00	14.7	314509.8	42.78	1.73	17.14	1.57
04/11/2025 07:00	14.8	325867.6	41.70	1.79	17.46	1.50
04/11/2025 08:00	14.8	331331.8	43.87	1.58	11.77	1.49
04/11/2025 09:00	14.8	330347.6	44.45	1.45	9.79	1.49
04/11/2025 10:00	14.8	326519.0	43.60	1.35	8.66	1.53
04/11/2025 11:00	14.8	324775.3	43.64	1.19	8.39	1.58
04/11/2025 12:00	14.8	320770.4	42.88	1.50	8.45	1.50
04/11/2025 13:00	14.8	364964.5	53.61	1.49	10.17	1.44
04/11/2025 14:00	14.8	364111.2	53.07	1.62	10.82	1.46
04/11/2025 15:00	14.8	366190.5	53.96	1.32	8.20	1.44
04/11/2025 16:00	14.8	365413.9	54.28	1.30	8.35	1.46
04/11/2025 17:00	14.8	367086.5	54.34	1.49	8.32	1.46
04/11/2025 18:00	14.9	367703.7	55.67	1.61	8.57	1.45
04/11/2025 19:00	14.9	369305.1	55.41	1.53	8.83	1.46
04/11/2025 20:00	14.9	368050.7	57.22	1.76	9.17	1.48
04/11/2025 21:00	14.9	370081.7	54.81	1.98	9.48	1.40
04/11/2025 22:00	14.9	368946.7	53.84	1.62	9.98	1.51
04/11/2025 23:00	14.8	322496.9	45.57	1.56	11.22	1.56
05/11/2025 00:00	14.8	320611.1	44.28	1.85	11.64	1.53
05/11/2025 01:00	14.8	321771.6	44.09	1.62	12.15	1.55
05/11/2025 02:00	14.8	321743.2	43.34	1.91	12.74	1.55
05/11/2025 03:00	14.8	319513.1	43.09	2.02	12.70	1.59
05/11/2025 04:00	14.8	318250.2	43.54	1.77	12.15	1.59
05/11/2025 05:00	14.8	313667.8	44.97	1.77	11.49	1.59
05/11/2025 06:00	14.8	315115.6	44.25	2.21	10.91	1.53
05/11/2025 07:00	14.9	323586.4	44.69	1.59	10.32	1.59
05/11/2025 08:00	14.9	327702.3	45.63	1.78	9.44	1.53
05/11/2025 09:00	14.9	319754.9	45.46	1.80	8.68	1.50
05/11/2025 10:00	14.9	320901.2	46.45	1.53	8.11	1.48
05/11/2025 11:00	14.9	322602.2	46.14	1.50	8.03	1.50
05/11/2025 12:00	14.9	316626.0	46.16	1.24	7.92	1.54
05/11/2025 13:00	14.9	363567.9	45.62	1.18	7.85	1.46
05/11/2025 14:00	14.9	366930.0	46.14	1.10	8.12	1.45
05/11/2025 15:00	14.9	366912.9	45.91	1.43	8.15	1.43
05/11/2025 16:00	14.9	366093.8	46.24	1.34	8.32	1.45
05/11/2025 17:00	14.9	366486.3	52.57	3.33	8.66	1.29
05/11/2025 18:00	14.9	365775.2	55.85	1.85	8.96	1.50
05/11/2025 19:00	14.9	367422.1	56.11	1.62	9.11	1.48
05/11/2025 20:00	14.9	366614.3	56.44	1.69	9.21	1.58
05/11/2025 21:00	14.9	368093.4	55.90	1.58	9.07	1.55
05/11/2025 22:00	14.9	367535.9	56.37	1.39	9.23	1.58
05/11/2025 23:00	14.9	324038.6	44.96	1.78	8.91	1.62
06/11/2025 00:00	14.9	324288.9	44.33	1.80	9.01	1.61
06/11/2025 01:00	14.9	325941.6	44.07	2.03	9.36	1.59
06/11/2025 02:00	14.9	323509.6	43.79	1.82	10.02	1.61
06/11/2025 03:00	14.8	322004.9	42.96	2.06	10.80	1.56
06/11/2025 04:00	14.9	321788.7	43.22	2.00	10.61	1.56
06/11/2025 05:00	14.8	315206.6	44.61	1.58	10.28	1.60
06/11/2025 06:00	14.8	313224.1	44.37	1.87	10.11	1.55
06/11/2025 07:00	14.9	326897.3	44.08	1.94	9.88	1.57
06/11/2025 08:00	15.0	333775.2	46.44	1.85	9.81	1.54
06/11/2025 09:00	15.0	331806.8	46.33	1.92	9.13	1.50
06/11/2025 10:00	14.9	320801.7	44.61	1.64	8.70	1.50
06/11/2025 11:00	14.6	321060.5	44.52	0.07	7.83	1.39

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
06/11/2025 12:00	14.5	318272.9	43.58	0.02	7.70	1.35
06/11/2025 13:00	14.6	361434.6	53.43	0.04	7.75	1.34
06/11/2025 14:00	14.5	364401.3	50.84	0.04	7.61	1.30
06/11/2025 15:00	14.5	365160.8	51.03	0.02	7.58	1.34
06/11/2025 16:00	14.5	364398.5	50.08	0.24	7.75	1.30
06/11/2025 17:00	14.5	364159.5	50.89	0.04	7.95	1.39
06/11/2025 18:00	14.5	364964.5	50.58	0.17	8.14	1.44
06/11/2025 19:00	14.5	364284.7	50.41	0.13	8.47	1.53
06/11/2025 20:00	14.5	365078.3	50.40	0.09	8.59	1.57
06/11/2025 21:00	14.6	365604.5	50.74	0.07	20.99	1.49
06/11/2025 22:00	14.6	366025.5	51.00	0.11	12.26	1.51
06/11/2025 23:00	14.5	326211.8	40.01	0.15	14.14	1.52
07/11/2025 00:00	14.5	326561.7	39.81	0.07	14.29	1.61
07/11/2025 01:00	14.5	328089.1	39.34	0.13	14.67	1.67
07/11/2025 02:00	14.5	326857.5	38.70	0.13	14.55	1.71
07/11/2025 03:00	14.5	324786.7	38.44	0.15	16.02	1.71
07/11/2025 04:00	14.5	324152.4	38.93	0.19	11.30	1.73
07/11/2025 05:00	14.5	318253.0	38.78	0.15	14.68	1.73
07/11/2025 06:00	14.5	316438.3	38.40	0.15	14.85	1.81
07/11/2025 07:00	14.5	324416.9	38.20	0.22	14.94	1.85
07/11/2025 08:00	14.6	333897.5	40.67	0.15	18.81	1.78
07/11/2025 09:00	14.6	333590.3	41.72	0.04	10.53	1.65
07/11/2025 10:00	14.6	331064.4	41.63	0.04	10.69	1.63
07/11/2025 11:00	14.6	329690.6	41.90	0.02	11.11	1.62
07/11/2025 12:00	14.6	326325.6	40.71	0.09	8.34	1.58
07/11/2025 13:00	14.6	362489.8	49.10	0.04	10.18	1.53
07/11/2025 14:00	14.5	362862.5	48.64	0.04	8.68	1.51
07/11/2025 15:00	14.5	363365.9	49.52	0.07	9.77	1.46
07/11/2025 16:00	14.5	363189.6	49.23	0.07	8.38	1.48
07/11/2025 17:00	14.5	362811.3	48.36	0.09	9.45	1.55
07/11/2025 18:00	14.5	363021.8	48.16	0.15	8.90	1.57
07/11/2025 19:00	14.6	363178.2	48.16	0.09	9.98	1.58
07/11/2025 20:00	14.6	363579.3	47.42	0.24	8.35	1.60
07/11/2025 21:00	14.6	364361.5	47.98	0.20	9.90	1.58
07/11/2025 22:00	14.6	366904.4	50.64	0.15	10.52	1.37
07/11/2025 23:00	14.5	321771.6	40.70	0.13	11.13	1.37
08/11/2025 00:00	14.5	320673.7	39.91	0.22	10.74	1.35
08/11/2025 01:00	14.5	322292.2	40.00	0.15	12.11	1.33
08/11/2025 02:00	14.5	321086.1	39.93	0.17	13.40	1.33
08/11/2025 03:00	14.5	319621.2	38.81	0.33	13.46	1.37
08/11/2025 04:00	14.5	318457.8	38.51	0.41	14.25	1.32
08/11/2025 05:00	14.5	313357.8	40.33	0.33	12.73	1.37
08/11/2025 06:00	14.5	311372.3	41.07	0.22	12.75	1.39
08/11/2025 07:00	14.6	322110.1	38.53	0.44	13.18	1.34
08/11/2025 08:00	14.6	323500.9	39.32	0.44	18.80	1.28
08/11/2025 09:00	14.6	329929.5	39.26	0.33	12.45	1.36
08/11/2025 10:00	14.6	322098.7	39.24	0.15	18.94	1.34
08/11/2025 11:00	14.6	320528.6	40.20	0.04	12.23	1.39
08/11/2025 12:00	14.6	312072.1	39.95	0.04	10.05	1.40
08/11/2025 13:00	14.6	363761.3	49.45	0.00	9.23	1.31
08/11/2025 14:00	14.6	364401.3	47.11	0.07	9.11	1.22
08/11/2025 15:00	14.6	363795.4	46.85	0.07	9.02	1.24
08/11/2025 16:00	14.6	363556.5	49.28	0.07	8.99	1.30
08/11/2025 17:00	14.7	363232.3	47.42	0.02	9.18	1.31
08/11/2025 18:00	14.7	362097.3	48.96	0.07	9.68	1.41
08/11/2025 19:00	14.7	362794.2	51.18	0.11	10.20	1.45
08/11/2025 20:00	14.7	363232.3	51.33	0.16	10.66	1.50
08/11/2025 21:00	14.7	363388.7	50.91	0.18	10.43	1.59
08/11/2025 22:00	14.7	365226.2	49.92	0.16	11.38	1.63
08/11/2025 23:00	14.6	322661.9	39.56	0.15	10.92	1.65
09/11/2025 00:00	14.6	321703.3	38.09	0.20	10.09	1.70
09/11/2025 01:00	14.6	321942.3	38.54	0.11	10.33	1.81
09/11/2025 02:00	14.6	321674.9	38.02	0.29	10.55	1.72
09/11/2025 03:00	14.6	319544.4	37.35	0.26	12.67	1.72
09/11/2025 04:00	14.6	317436.7	37.75	0.29	13.00	1.69
09/11/2025 05:00	14.6	310428.0	38.59	0.44	14.40	1.60

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
09/11/2025 06:00	14.5	304741.9	40.24	0.31	15.89	1.57
09/11/2025 07:00	14.6	302779.3	40.89	0.15	14.45	1.60
09/11/2025 08:00	14.6	299186.7	40.87	0.18	10.88	1.55
09/11/2025 09:00	14.6	298452.9	40.95	0.04	8.94	1.54
09/11/2025 10:00	14.6	296362.2	41.88	0.02	8.64	1.54
09/11/2025 11:00	14.6	296527.2	42.05	0.00	8.58	1.54
09/11/2025 12:00	14.6	301812.2	40.80	0.04	8.72	1.52
09/11/2025 13:00	14.6	296692.2	42.54	0.09	8.58	1.56
09/11/2025 14:00	14.6	302110.8	40.75	0.09	8.75	1.54
09/11/2025 15:00	14.6	303766.3	40.51	0.09	9.09	1.60
09/11/2025 16:00	14.6	305891.1	39.74	0.09	8.89	1.54
09/11/2025 17:00	14.6	316196.5	41.19	0.24	8.89	1.48
09/11/2025 18:00	14.7	362381.8	47.85	0.16	9.67	1.54
09/11/2025 19:00	14.7	361608.1	47.79	0.13	9.20	1.57
09/11/2025 20:00	14.7	362731.6	47.86	0.16	9.79	1.58
09/11/2025 21:00	14.7	350389.6	46.32	0.11	9.68	1.63
09/11/2025 22:00	14.6	314492.7	38.39	0.13	9.68	1.66
09/11/2025 23:00	14.6	314478.5	38.42	0.24	9.71	1.66
10/11/2025 00:00	14.6	313972.2	38.31	0.18	9.42	1.77
10/11/2025 01:00	14.6	313471.7	37.77	0.09	10.26	1.83
10/11/2025 02:00	14.6	312680.8	36.92	0.35	10.22	1.83
10/11/2025 03:00	14.6	310231.7	38.04	0.29	9.99	1.83
10/11/2025 04:00	14.6	307427.1	39.08	0.20	9.32	1.83
10/11/2025 05:00	14.6	303211.6	39.63	0.18	8.80	1.91
10/11/2025 06:00	14.6	307805.4	38.54	0.26	8.76	1.88
10/11/2025 07:00	14.7	325196.3	38.90	0.16	8.51	1.75
10/11/2025 08:00	14.7	332771.1	41.05	0.16	8.39	1.67
10/11/2025 09:00	14.8	326880.3	41.18	0.07	8.16	1.60
10/11/2025 10:00	14.7	327358.1	39.40	0.09	8.13	1.58
10/11/2025 11:00	14.7	317815.0	38.25	0.07	9.56	1.52
10/11/2025 12:00	14.7	315880.8	39.03	0.02	9.62	1.49
10/11/2025 13:00	14.7	360675.1	48.74	0.11	9.69	1.46
10/11/2025 14:00	14.7	362680.4	48.75	0.04	9.31	1.43
10/11/2025 15:00	14.7	362848.3	48.92	0.04	9.08	1.43
10/11/2025 16:00	14.7	363516.7	49.51	0.04	8.94	1.44
10/11/2025 17:00	14.7	363334.6	49.41	0.09	11.45	1.48
10/11/2025 18:00	14.7	364099.8	48.71	0.25	10.18	1.44
10/11/2025 19:00	14.7	364267.6	48.65	0.23	9.68	1.49
10/11/2025 20:00	14.8	364515.1	49.07	0.18	10.22	1.54
10/11/2025 21:00	14.7	364116.9	48.33	0.27	9.91	1.53
10/11/2025 22:00	14.7	365263.2	48.15	0.41	10.31	1.47
10/11/2025 23:00	14.7	326080.9	39.59	0.27	10.04	1.55
11/11/2025 00:00	14.7	325244.7	39.21	0.18	9.82	1.64
11/11/2025 01:00	14.7	326837.6	39.46	0.25	20.65	1.59
11/11/2025 02:00	14.7	324991.5	39.50	0.27	10.20	1.59
11/11/2025 03:00	14.7	323176.8	39.82	0.22	10.60	1.59
11/11/2025 04:00	14.7	320175.9	38.60	0.20	10.22	1.78
11/11/2025 05:00	14.7	316133.9	36.50	0.58	9.85	1.80
11/11/2025 06:00	14.7	317698.4	37.07	0.29	9.65	1.85
11/11/2025 07:00	14.7	327141.9	38.50	0.34	9.42	1.76
11/11/2025 08:00	14.8	333138.0	40.45	0.20	9.16	1.70
11/11/2025 09:00	14.8	335149.0	42.04	0.07	8.86	1.62
11/11/2025 10:00	14.8	334739.4	43.09	0.05	9.40	1.53
11/11/2025 11:00	14.8	324835.1	41.81	0.02	8.95	1.52
11/11/2025 12:00	14.8	323111.3	40.52	0.09	8.93	1.56
11/11/2025 13:00	14.8	362046.1	48.29	0.07	9.15	1.47
11/11/2025 14:00	14.8	361628.0	48.01	0.27	9.42	1.40
11/11/2025 15:00	14.8	363172.5	49.81	0.18	9.22	1.42
11/11/2025 16:00	14.8	363559.3	50.05	0.09	8.92	1.40
11/11/2025 17:00	14.8	363485.4	50.26	0.09	9.13	1.45
11/11/2025 18:00	14.8	363906.4	50.81	0.14	10.50	1.48
11/11/2025 19:00	14.8	364364.3	50.17	0.30	10.13	1.46
11/11/2025 20:00	14.8	364162.4	50.20	0.43	9.05	1.51
11/11/2025 21:00	14.8	363986.0	50.11	0.30	9.03	1.58
11/11/2025 22:00	14.8	362933.6	47.84	0.84	8.90	1.62
11/11/2025 23:00	14.8	328220.0	38.80	0.68	8.85	1.65

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
12/11/2025 00:00	14.8	327417.8	39.97	0.32	8.95	1.68
12/11/2025 01:00	14.8	328393.5	40.22	0.32	8.86	1.73
12/11/2025 02:00	14.8	329366.3	40.31	0.27	8.81	1.79
12/11/2025 03:00	14.8	326217.5	38.51	0.50	9.19	1.92
12/11/2025 04:00	14.7	323233.7	36.85	0.72	9.57	2.10
12/11/2025 05:00	14.7	318418.0	36.47	0.50	10.45	2.12
12/11/2025 06:00	14.7	318867.4	37.03	0.25	12.84	2.10
12/11/2025 07:00	14.8	328561.3	39.65	0.21	11.17	1.87
12/11/2025 08:00	14.8	333425.3	41.06	0.14	9.89	1.79
12/11/2025 09:00	14.8	329195.6	40.44	0.16	9.23	1.76
12/11/2025 10:00	14.9	334648.4	42.37	0.18	9.29	1.64
12/11/2025 11:00	14.9	330282.2	43.59	0.02	9.06	1.68
12/11/2025 12:00	14.8	325136.6	41.43	0.09	9.02	1.65
12/11/2025 13:00	14.8	357765.2	50.22	0.09	9.25	1.65
12/11/2025 14:00	14.8	361989.2	48.60	0.21	9.23	1.53
12/11/2025 15:00	14.8	361852.7	47.75	0.11	9.25	1.56
12/11/2025 16:00	14.8	362114.4	47.66	0.23	9.40	1.55
12/11/2025 17:00	14.8	362103.0	47.78	0.23	9.19	1.60
12/11/2025 18:00	14.8	362083.1	47.71	0.16	8.69	1.71
12/11/2025 19:00	14.8	362686.1	47.31	0.25	8.79	1.88
12/11/2025 20:00	14.9	362396.0	47.87	0.60	8.49	1.82
12/11/2025 21:00	14.9	364031.5	48.43	0.35	8.64	1.91
12/11/2025 22:00	14.9	364799.5	50.22	0.25	9.72	2.03
12/11/2025 23:00	14.8	326516.2	40.12	0.34	9.78	2.06
13/11/2025 00:00	14.8	325327.2	39.23	0.37	9.98	2.15
13/11/2025 01:00	14.8	328706.4	39.44	0.16	13.33	2.06
13/11/2025 02:00	14.8	328467.4	38.76	0.27	13.47	1.85
13/11/2025 03:00	14.8	323748.5	38.71	0.43	14.90	1.53
13/11/2025 04:00	14.8	319552.9	39.01	0.62	11.46	1.51
13/11/2025 05:00	14.8	314194.0	40.45	0.57	12.83	1.53
13/11/2025 06:00	14.8	315129.8	40.63	0.50	14.20	1.53
13/11/2025 07:00	14.9	329628.0	40.85	0.37	16.02	1.55
13/11/2025 08:00	14.9	336693.6	42.51	0.30	18.27	1.46
13/11/2025 09:00	14.9	326345.5	40.82	0.35	18.97	1.43
13/11/2025 10:00	14.9	324286.1	41.03	0.14	11.77	1.46
13/11/2025 11:00	14.9	318930.0	40.96	0.07	10.11	1.43
13/11/2025 12:00	14.9	325469.4	42.61	0.07	9.72	1.46
13/11/2025 13:00	14.9	364298.9	49.98	0.21	10.98	1.37
13/11/2025 14:00	14.9	362617.8	49.49	0.28	10.18	1.39
13/11/2025 15:00	14.9	363590.6	49.76	0.46	9.72	1.34
13/11/2025 16:00	14.9	365183.5	49.70	0.58	13.23	1.38
13/11/2025 17:00	14.9	364068.5	47.68	1.14	17.86	1.41
13/11/2025 18:00	14.9	362131.4	49.37	0.44	13.27	1.52
13/11/2025 19:00	15.0	364372.9	51.81	0.28	10.83	1.54
13/11/2025 20:00	15.0	364845.0	52.27	0.40	10.85	1.50
13/11/2025 21:00	15.0	364953.1	53.49	0.40	10.95	1.64
13/11/2025 22:00	15.0	367834.6	52.80	0.21	11.05	1.61
13/11/2025 23:00	14.9	326615.7	42.42	0.30	11.12	1.67
14/11/2025 00:00	14.9	324684.3	40.56	0.70	11.56	1.67
14/11/2025 01:00	14.9	324894.8	37.59	1.57	12.35	1.64
14/11/2025 02:00	14.9	325412.5	40.04	0.46	12.51	1.80
14/11/2025 03:00	14.9	323196.7	39.10	0.48	11.25	1.80
14/11/2025 04:00	14.9	321083.3	39.55	0.46	13.07	1.69
14/11/2025 05:00	14.9	315704.4	40.92	0.74	12.82	1.64
14/11/2025 06:00	14.9	314418.7	42.97	0.58	11.86	1.60
14/11/2025 07:00	14.9	319860.2	42.38	0.42	11.12	1.61
14/11/2025 08:00	15.0	327585.7	43.74	0.31	10.31	1.60
14/11/2025 09:00	15.0	322511.2	43.91	0.14	10.03	1.64
14/11/2025 10:00	15.0	318790.6	43.53	0.07	9.26	1.59
14/11/2025 11:00	15.0	313303.7	44.48	0.12	8.82	1.54
14/11/2025 12:00	14.9	309802.2	45.50	0.23	8.57	1.56
14/11/2025 13:00	15.0	367709.4	53.63	0.30	8.88	1.45
14/11/2025 14:00	15.0	365587.4	51.94	0.35	8.97	1.44
14/11/2025 15:00	15.0	364250.6	51.65	0.33	8.65	1.39
14/11/2025 16:00	15.0	366292.9	53.68	0.24	8.52	1.42
14/11/2025 17:00	15.0	360914.0	52.21	0.14	8.48	1.40

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
14/11/2025 18:00	15.1	359434.9	55.17	0.29	8.63	1.44
14/11/2025 19:00	15.2	364463.9	53.00	0.27	8.90	1.55
14/11/2025 20:00	15.2	365431.0	54.90	0.32	9.05	1.60
14/11/2025 21:00	15.2	367288.4	52.82	0.39	9.19	1.57
14/11/2025 22:00	15.1	369882.6	54.14	0.38	9.28	1.63
14/11/2025 23:00	15.0	320224.3	46.10	0.38	9.27	1.72
15/11/2025 00:00	15.0	319754.9	45.71	0.52	9.32	1.68
15/11/2025 01:00	15.0	320375.0	43.35	1.15	9.55	1.62
15/11/2025 02:00	15.0	319348.2	44.66	0.73	9.32	1.62
15/11/2025 03:00	15.0	317072.6	45.83	0.66	9.61	1.62
15/11/2025 04:00	15.0	317379.8	46.37	0.68	9.84	1.50
15/11/2025 05:00	15.0	311594.2	49.03	0.59	9.98	1.50
15/11/2025 06:00	15.0	308835.1	49.59	0.80	10.19	1.50
15/11/2025 07:00	15.0	314794.2	48.96	0.69	10.05	1.51
15/11/2025 08:00	15.0	315183.9	49.23	0.40	9.52	1.52
15/11/2025 09:00	15.1	312584.1	50.21	0.24	8.77	1.47
15/11/2025 10:00	15.1	308197.9	48.76	1.52	8.32	1.33
15/11/2025 11:00	15.1	304579.8	53.69	0.41	8.15	1.43
15/11/2025 12:00	15.0	301470.8	54.06	0.14	8.11	1.42
15/11/2025 13:00	15.1	369862.6	53.29	0.69	8.32	1.19
15/11/2025 14:00	15.1	369558.3	54.33	0.48	8.35	1.27
15/11/2025 15:00	15.1	370081.7	54.50	0.38	8.28	1.27
15/11/2025 16:00	15.1	370548.2	55.72	0.19	8.24	1.29
15/11/2025 17:00	15.1	367567.2	53.90	0.24	8.31	1.30
15/11/2025 18:00	15.1	364560.6	52.86	0.26	8.50	1.34
15/11/2025 19:00	15.1	368884.2	53.43	0.51	8.64	1.33
15/11/2025 20:00	15.2	368852.9	54.27	0.46	8.82	1.38
15/11/2025 21:00	15.2	368551.3	53.42	0.44	9.02	1.46
15/11/2025 22:00	15.2	369541.2	53.91	0.58	9.16	1.38
15/11/2025 23:00	15.0	316165.2	47.27	0.47	9.27	1.54
16/11/2025 00:00	15.1	315138.4	47.22	0.48	9.54	1.52
16/11/2025 01:00	15.1	315235.1	46.83	0.57	9.74	1.47
16/11/2025 02:00	15.0	315095.7	46.18	0.76	10.01	1.45
16/11/2025 03:00	15.0	311636.9	47.19	0.76	10.13	1.42
16/11/2025 04:00	15.0	307759.9	46.23	1.46	10.31	1.32
16/11/2025 05:00	15.0	302045.4	49.60	0.73	10.52	1.44
16/11/2025 06:00	15.0	297127.3	50.68	1.04	10.57	1.39
16/11/2025 07:00	15.0	289859.8	52.53	0.95	10.12	1.42
16/11/2025 08:00	15.0	282919.3	55.22	0.57	9.27	1.42
16/11/2025 09:00	15.0	279141.9	56.34	0.21	8.61	1.40
16/11/2025 10:00	15.0	277404.0	52.02	1.59	8.24	1.21
16/11/2025 11:00	15.0	275885.0	52.66	1.04	8.17	1.26
16/11/2025 12:00	15.0	276180.9	53.17	0.47	8.21	1.32
16/11/2025 13:00	15.0	278789.2	53.49	0.23	8.24	1.41
16/11/2025 14:00	15.0	282560.9	53.15	0.26	8.28	1.48
16/11/2025 15:00	15.0	289458.7	50.57	0.28	8.21	1.42
16/11/2025 16:00	15.0	293034.2	49.94	0.33	8.36	1.40
16/11/2025 17:00	15.1	308052.9	51.48	0.26	8.58	1.38
16/11/2025 18:00	15.2	367516.0	54.03	0.77	8.97	1.28
16/11/2025 19:00	15.2	370602.2	52.54	0.53	8.95	1.29
16/11/2025 20:00	15.2	368790.3	54.63	0.51	9.27	1.36
16/11/2025 21:00	15.1	352343.7	50.92	0.56	9.39	1.30
16/11/2025 22:00	15.0	301263.2	47.36	0.38	9.69	1.37
16/11/2025 23:00	15.1	301223.3	47.45	0.52	10.53	1.38
17/11/2025 00:00	15.0	300557.8	47.68	0.50	10.63	1.35
17/11/2025 01:00	15.0	299765.2	48.39	0.52	10.41	1.35
17/11/2025 02:00	15.0	298509.8	46.24	1.65	10.31	1.23
17/11/2025 03:00	15.0	297687.7	45.31	2.10	10.50	1.18
17/11/2025 04:00	15.0	297585.3	45.05	2.36	10.38	1.13
17/11/2025 05:00	15.0	295909.9	47.73	1.28	10.45	1.25
17/11/2025 06:00	15.1	301672.8	47.95	0.93	10.79	1.28
17/11/2025 07:00	15.1	317214.8	45.20	0.84	10.69	1.27
17/11/2025 08:00	15.2	329070.5	45.01	0.53	10.32	1.31
17/11/2025 09:00	15.2	321074.7	45.69	0.31	9.79	1.33
17/11/2025 10:00	15.1	320292.5	44.62	0.75	8.98	1.25
17/11/2025 11:00	15.1	317408.3	41.89	1.30	8.74	1.18

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
17/11/2025 12:00	15.1	321788.7	43.16	0.36	8.89	1.25
17/11/2025 13:00	15.1	369236.9	52.45	0.38	9.23	1.20
17/11/2025 14:00	15.1	369023.5	51.96	0.31	9.32	1.20
17/11/2025 15:00	15.1	368588.3	53.38	0.36	9.47	1.25
17/11/2025 16:00	15.2	368016.6	52.31	0.31	9.79	1.26
17/11/2025 17:00	15.2	366915.8	48.15	2.27	9.77	1.02
17/11/2025 18:00	15.2	364808.1	51.55	1.07	10.34	1.17
17/11/2025 19:00	15.2	366563.1	53.35	0.71	10.90	1.22
17/11/2025 20:00	15.2	366332.7	53.25	0.51	11.30	1.23
17/11/2025 21:00	15.2	365760.9	53.05	0.66	11.65	1.20
17/11/2025 22:00	15.2	370781.4	52.12	0.47	12.11	1.18
17/11/2025 23:00	15.1	320986.6	42.97	0.53	12.37	1.25
18/11/2025 00:00	15.1	321788.7	42.61	0.72	13.37	1.23
18/11/2025 01:00	15.1	322977.7	41.00	1.30	13.92	1.15
18/11/2025 02:00	15.1	324328.8	28.49	1.29	14.43	0.67
18/11/2025 03:00	15.1	321893.9	38.40	2.54	14.38	1.03
18/11/2025 04:00	15.1	320912.6	42.16	0.91	16.06	1.17
18/11/2025 05:00	15.1	315650.4	44.18	0.62	15.19	1.24
18/11/2025 06:00	15.1	316631.7	43.90	0.84	13.64	1.22
18/11/2025 07:00	15.1	323484.0	42.86	0.87	12.38	1.18
18/11/2025 08:00	15.1	330996.2	31.20	0.87	11.51	0.65
18/11/2025 09:00	15.2	332037.2	43.64	1.39	11.18	1.07
18/11/2025 10:00	15.2	331192.4	45.72	0.54	11.02	1.17
18/11/2025 11:00	15.2	326843.3	46.05	0.22	10.84	1.26
18/11/2025 12:00	15.2	323654.6	44.94	0.41	10.85	1.21
18/11/2025 13:00	15.2	370226.7	54.97	0.24	10.63	1.17
18/11/2025 14:00	15.2	367547.3	52.19	0.29	10.32	1.12
18/11/2025 15:00	15.2	370425.8	52.28	0.68	10.49	1.07
18/11/2025 16:00	15.2	368474.6	54.67	0.46	10.75	1.19
18/11/2025 17:00	15.2	363357.4	50.86	0.59	10.85	1.15
18/11/2025 18:00	15.2	362552.4	52.16	0.98	11.20	1.15
18/11/2025 19:00	15.3	367129.1	53.75	1.28	11.44	1.16
18/11/2025 20:00	15.3	366705.3	55.65	0.57	11.37	1.24
18/11/2025 21:00	15.3	366179.1	55.60	0.67	11.21	1.26
18/11/2025 22:00	15.3	371168.3	53.45	0.77	11.21	1.16
18/11/2025 23:00	15.2	322880.9	42.98	1.40	11.19	1.16
19/11/2025 00:00	15.2	322829.8	43.45	1.29	10.81	1.19
19/11/2025 01:00	15.2	323068.7	45.21	0.85	10.36	1.22
19/11/2025 02:00	15.2	323191.0	45.19	0.93	10.36	1.22
19/11/2025 03:00	15.2	319558.6	44.42	1.58	10.63	1.14
19/11/2025 04:00	15.2	317248.9	44.84	1.45	10.95	1.16
19/11/2025 05:00	15.2	312305.3	45.93	1.74	10.61	1.16
19/11/2025 06:00	15.2	312530.0	47.66	1.41	10.32	1.22
19/11/2025 07:00	15.2	323478.3	47.30	0.74	10.29	1.28
19/11/2025 08:00	15.3	330836.9	48.55	0.52	10.31	1.29
19/11/2025 09:00	15.3	328231.3	48.60	0.47	10.12	1.31
19/11/2025 10:00	15.2	316904.8	48.94	0.64	9.85	1.25
19/11/2025 11:00	15.2	308786.7	51.07	0.56	9.25	1.30
19/11/2025 12:00	15.2	309677.0	50.30	0.71	6.60	1.25
19/11/2025 13:00	15.3	371364.5	56.37	0.30	5.89	1.14
19/11/2025 14:00	15.3	370141.4	55.21	0.32	9.05	1.21
19/11/2025 15:00	15.2	369928.1	54.40	0.39	8.99	1.13
19/11/2025 16:00	15.3	369800.1	55.35	0.32	9.09	1.19
19/11/2025 17:00	15.3	369982.1	54.21	0.87	9.34	1.14
19/11/2025 18:00	15.3	366733.8	40.34	0.86	9.14	0.64
19/11/2025 19:00	15.3	371700.2	56.70	3.28	9.48	1.00
19/11/2025 20:00	15.3	372317.4	55.55	0.97	9.27	1.19
19/11/2025 21:00	15.3	372343.0	53.92	1.21	9.07	1.11
19/11/2025 22:00	15.3	372892.0	40.93	0.90	9.20	1.15
19/11/2025 23:00	15.3	317516.3	52.39	0.79	9.18	1.28
20/11/2025 00:00	15.3	315627.6	52.25	0.74	9.22	1.26
20/11/2025 01:00	15.3	318341.2	50.46	1.18	8.86	1.18
20/11/2025 02:00	15.3	317960.1	51.25	1.03	8.96	1.18
20/11/2025 03:00	15.2	315559.3	52.01	1.01	8.25	1.20
20/11/2025 04:00	15.2	313372.0	52.54	1.10	9.19	1.20
20/11/2025 05:00	15.2	307100.0	51.80	2.28	9.14	1.08

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
20/11/2025 06:00	15.2	307188.2	52.56	2.16	8.58	1.08
20/11/2025 07:00	15.3	314017.7	53.42	1.24	9.60	1.19
20/11/2025 08:00	15.3	317567.5	52.52	1.22	7.96	1.17
20/11/2025 09:00	15.3	316517.9	54.18	0.57	9.04	1.22
20/11/2025 10:00	15.3	312928.3	54.16	0.80	8.63	1.19
20/11/2025 11:00	15.3	309842.0	51.36	1.86	8.72	1.07
20/11/2025 12:00	15.3	310277.2	51.25	1.53	8.80	1.09
20/11/2025 13:00	15.4	370636.3	55.80	0.75	8.84	1.03
20/11/2025 14:00	15.3	368850.0	52.96	1.62	8.73	0.94
20/11/2025 15:00	15.3	369293.8	55.82	0.42	8.67	1.07
20/11/2025 16:00	15.3	368889.8	54.36	1.09	8.85	1.02
20/11/2025 17:00	15.3	367737.8	51.05	2.26	9.00	0.97
20/11/2025 18:00	15.3	366620.0	52.15	2.30	9.28	1.05
20/11/2025 19:00	15.3	367706.6	52.78	1.55	9.25	1.13
20/11/2025 20:00	15.4	372821.8	55.60	3.51	9.45	0.99
20/11/2025 21:00	15.4	371967.5	47.79	2.16	9.61	1.07
20/11/2025 22:00	15.4	372670.1	47.87	0.91	9.66	1.17
20/11/2025 23:00	15.3	316517.9	51.02	1.02	9.49	1.24
21/11/2025 00:00	15.3	315567.9	47.20	2.46	9.81	1.08
21/11/2025 01:00	15.3	317402.6	43.91	3.89	9.84	0.93
21/11/2025 02:00	15.3	315704.4	46.43	2.66	9.73	1.04
21/11/2025 03:00	15.3	315149.8	46.35	1.43	9.87	1.13
21/11/2025 04:00	15.2	313559.7	41.41	1.42	9.81	0.78
21/11/2025 05:00	15.2	307526.6	49.71	1.42	9.82	1.08
21/11/2025 06:00	15.3	307048.8	52.04	1.46	9.65	1.14
21/11/2025 07:00	15.3	314265.1	51.55	1.24	9.41	1.14
21/11/2025 08:00	15.3	319882.9	46.18	3.31	9.14	0.92
21/11/2025 09:00	15.3	318708.2	42.48	1.48	8.68	0.83
21/11/2025 10:00	15.3	314979.1	37.42	1.24	8.48	0.42
21/11/2025 11:00	15.3	305507.1	56.20	0.65	8.53	1.18
21/11/2025 12:00	15.3	307108.5	55.05	0.62	8.46	1.15
21/11/2025 13:00	15.4	371128.4	56.69	0.48	8.24	0.99
21/11/2025 14:00	15.4	369168.6	56.70	0.33	8.13	1.03
21/11/2025 15:00	15.4	368949.6	56.30	0.48	8.20	1.03
21/11/2025 16:00	15.4	368565.6	56.35	0.43	8.26	1.08
21/11/2025 17:00	15.4	369020.7	56.45	0.38	8.26	1.13
21/11/2025 18:00	15.4	368719.2	54.62	1.15	8.24	1.00
21/11/2025 19:00	15.4	368599.7	54.85	1.03	8.32	1.06
21/11/2025 20:00	15.4	368303.9	54.67	1.08	8.45	1.08
21/11/2025 21:00	15.4	371518.1	56.31	1.34	8.65	1.09
21/11/2025 22:00	15.4	372380.0	56.16	2.92	8.79	0.94
21/11/2025 23:00	15.3	315650.4	51.31	1.09	8.64	1.22
22/11/2025 00:00	15.3	314609.3	50.52	1.19	8.65	1.21
22/11/2025 01:00	15.3	315647.5	50.43	1.09	8.66	1.21
22/11/2025 02:00	15.3	314748.7	51.12	0.84	8.66	1.24
22/11/2025 03:00	15.3	313613.8	50.20	1.33	8.60	1.16
22/11/2025 04:00	15.3	311744.9	47.78	2.71	9.03	1.01
22/11/2025 05:00	15.3	306286.5	51.66	1.48	9.32	1.13
22/11/2025 06:00	15.2	306243.8	43.83	5.71	9.39	0.74
22/11/2025 07:00	15.3	294163.4	52.84	1.68	9.09	1.11
22/11/2025 08:00	15.3	284623.2	51.76	2.32	8.60	1.01
22/11/2025 09:00	15.3	280945.3	43.99	2.36	8.44	0.96
22/11/2025 10:00	15.3	285256.0	55.60	0.42	8.45	1.19
22/11/2025 11:00	15.3	283869.4	55.11	3.11	8.43	0.89
22/11/2025 12:00	15.3	282538.2	53.31	1.06	8.32	1.06
22/11/2025 13:00	15.4	370804.2	55.60	0.45	8.56	0.93
22/11/2025 14:00	15.3	369143.0	53.88	1.02	8.43	0.92
22/11/2025 15:00	15.3	369447.3	48.77	3.18	8.32	0.70
22/11/2025 16:00	15.3	356812.3	50.90	1.06	8.34	0.94
22/11/2025 17:00	15.2	303262.8	48.71	0.80	8.20	1.07
22/11/2025 18:00	15.3	303063.7	50.92	0.57	8.50	1.21
22/11/2025 19:00	15.3	306693.2	50.31	0.57	8.71	1.26
22/11/2025 20:00	15.3	307080.1	50.97	0.55	8.82	1.29
22/11/2025 21:00	15.4	340752.6	52.87	1.41	8.91	1.15
22/11/2025 22:00	15.4	371834.7	54.51	3.32	9.08	0.91
22/11/2025 23:00	15.3	310194.7	48.82	1.53	9.20	1.21

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
23/11/2025 00:00	15.3	309048.4	49.32	1.14	9.37	1.24
23/11/2025 01:00	15.3	308994.4	49.23	1.19	9.46	1.19
23/11/2025 02:00	15.3	309722.6	49.11	0.91	9.91	1.23
23/11/2025 03:00	15.2	308559.2	46.34	2.26	10.17	1.06
23/11/2025 04:00	15.3	306727.3	49.79	1.23	9.59	1.18
23/11/2025 05:00	15.3	299650.4	51.22	1.50	9.64	1.13
23/11/2025 06:00	15.2	294738.0	44.88	5.33	9.98	0.76
23/11/2025 07:00	15.3	291404.3	52.55	1.85	10.04	1.11
23/11/2025 08:00	15.3	289006.5	54.69	1.21	9.33	1.14
23/11/2025 09:00	15.3	285399.7	57.03	0.57	8.85	1.19
23/11/2025 10:00	15.3	283912.1	52.07	2.99	8.57	0.89
23/11/2025 11:00	15.3	283118.5	56.09	1.16	8.58	1.09
23/11/2025 12:00	15.2	283616.3	44.48	1.15	8.50	0.61
23/11/2025 13:00	15.3	283639.0	55.58	0.37	8.46	1.16
23/11/2025 14:00	15.2	287808.9	42.02	0.37	8.21	0.86
23/11/2025 15:00	15.2	291868.0	39.18	0.37	8.11	0.54
23/11/2025 16:00	15.2	296757.6	49.84	0.54	8.21	1.15
23/11/2025 17:00	15.3	315118.5	51.82	0.17	8.51	1.16
23/11/2025 18:00	15.4	370752.9	52.70	0.63	8.86	1.03
23/11/2025 19:00	15.4	370044.7	54.69	0.58	9.18	1.11
23/11/2025 20:00	15.4	369111.7	50.66	1.28	9.17	1.06
23/11/2025 21:00	15.4	352676.5	55.70	0.70	9.53	1.23
23/11/2025 22:00	15.3	301678.5	47.37	0.76	10.08	1.31
23/11/2025 23:00	15.3	301937.3	46.82	0.98	10.36	1.30
24/11/2025 00:00	15.3	301163.6	47.31	0.89	10.50	1.33
24/11/2025 01:00	15.2	300283.6	47.35	0.96	10.61	1.30
24/11/2025 02:00	15.6	246522.9	54.50	1.70	11.44	26.28
24/11/2025 03:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
24/11/2025 04:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
24/11/2025 05:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
24/11/2025 06:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
24/11/2025 07:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
24/11/2025 08:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
24/11/2025 09:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
24/11/2025 10:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
24/11/2025 11:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
24/11/2025 12:00	14.7	208534.8	42.81	0.47	7.77	2.58
24/11/2025 13:00	14.7	325197.3	42.87	0.47	7.19	2.61
24/11/2025 14:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
24/11/2025 15:00	14.8	318600.1	45.18	0.59	7.10	1.64
24/11/2025 16:00	14.7	324527.9	45.15	0.67	6.95	1.60
24/11/2025 17:00	14.7	348512.3	49.58	0.27	7.07	1.67
24/11/2025 18:00	14.7	345198.5	47.81	0.16	7.23	1.71
24/11/2025 19:00	14.7	348145.3	47.53	0.27	7.42	1.71
24/11/2025 20:00	14.7	347499.6	47.11	0.38	7.57	1.71
24/11/2025 21:00	14.7	341793.7	44.95	0.40	7.91	1.75
24/11/2025 22:00	14.7	341856.3	44.40	0.40	8.49	1.74
24/11/2025 23:00	14.7	338951.8	47.81	0.43	8.80	1.68
25/11/2025 00:00	14.7	335813.9	47.61	0.47	8.68	1.66
25/11/2025 01:00	14.7	354630.6	47.06	0.54	8.63	1.61
25/11/2025 02:00	14.7	353154.4	46.30	0.76	8.66	1.61
25/11/2025 03:00	14.7	353643.6	45.64	1.09	8.71	1.54
25/11/2025 04:00	14.7	353549.8	44.88	1.40	8.94	1.53
25/11/2025 05:00	14.7	353396.2	44.53	1.65	9.13	1.49
25/11/2025 06:00	14.7	354602.2	45.47	2.00	8.50	1.48
25/11/2025 07:00	14.7	355225.1	47.68	2.14	7.45	1.44
25/11/2025 08:00	14.8	356559.2	49.06	2.20	7.18	1.43
25/11/2025 09:00	14.7	355779.8	46.62	2.26	6.99	1.43
25/11/2025 10:00	14.5	356195.1	43.90	2.16	6.61	1.32
25/11/2025 11:00	14.4	358382.5	43.53	2.19	6.58	1.29
25/11/2025 12:00	14.3	304520.9	41.62	2.30	6.55	1.31
25/11/2025 13:00	14.3	344771.8	36.78	2.67	6.53	1.25
25/11/2025 14:00	14.3	348293.2	36.86	2.69	6.54	1.25
25/11/2025 15:00	14.3	347730.0	36.19	2.75	6.55	1.27
25/11/2025 16:00	14.3	348543.5	35.85	2.94	6.51	1.25
25/11/2025 17:00	14.3	346785.7	35.00	3.08	6.57	1.27

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1_NOx@7%O2	HRSG1_SOx@7%O2	HRSG1_Dust (7%O2)	HRSG1_CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
25/11/2025 18:00	14.3	343224.4	33.42	3.36	6.72	1.27
25/11/2025 19:00	14.3	345915.3	33.19	3.72	6.85	1.27
25/11/2025 20:00	14.3	344968.1	33.05	3.70	6.92	1.27
25/11/2025 21:00	14.3	341301.6	31.20	4.08	6.93	1.23
25/11/2025 22:00	14.3	340604.7	30.80	4.28	7.04	1.22
25/11/2025 23:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
26/11/2025 00:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
26/11/2025 01:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
26/11/2025 02:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
26/11/2025 03:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
26/11/2025 04:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
26/11/2025 05:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
26/11/2025 06:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
26/11/2025 07:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
26/11/2025 08:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
26/11/2025 09:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
26/11/2025 10:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
26/11/2025 11:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
26/11/2025 12:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
26/11/2025 13:00	14.2	346384.6	32.27	2.71	6.43	4.87
26/11/2025 14:00	14.2	346876.7	33.19	2.89	6.43	3.27
26/11/2025 15:00	14.2	346125.8	32.46	3.02	6.34	2.51
26/11/2025 16:00	14.2	346444.3	32.14	3.30	6.27	2.06
26/11/2025 17:00	14.2	343156.2	30.37	3.65	6.35	1.85
26/11/2025 18:00	14.2	339776.9	28.71	3.62	6.43	1.63
26/11/2025 19:00	14.2	342948.5	29.71	4.00	6.54	1.54
26/11/2025 20:00	14.2	342885.9	29.17	3.03	6.62	1.37
26/11/2025 21:00	14.2	340636.0	27.61	3.29	6.67	1.26
26/11/2025 22:00	14.2	339939.1	28.01	3.65	6.73	1.20
26/11/2025 23:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
27/11/2025 00:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
27/11/2025 01:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
27/11/2025 02:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
27/11/2025 03:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
27/11/2025 04:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
27/11/2025 05:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
27/11/2025 06:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
27/11/2025 07:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
27/11/2025 08:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
27/11/2025 09:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
27/11/2025 10:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
27/11/2025 11:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
27/11/2025 12:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
27/11/2025 13:00	14.3	344063.5	32.57	3.24	6.17	4.33
27/11/2025 14:00	14.3	342194.7	32.85	3.25	6.58	2.18
27/11/2025 15:00	14.3	343053.8	35.03	0.75	6.54	1.22
27/11/2025 16:00	14.3	342738.0	34.74	0.71	6.50	1.24
27/11/2025 17:00	14.3	339620.5	32.03	1.13	6.49	1.19
27/11/2025 18:00	14.2	337225.5	30.55	1.29	6.49	1.21
27/11/2025 19:00	14.3	341295.9	30.94	1.44	6.57	1.17
27/11/2025 20:00	14.3	341136.6	30.69	1.61	6.52	1.09
27/11/2025 21:00	14.3	338400.3	30.25	1.50	6.50	1.11
27/11/2025 22:00	14.2	338818.4	30.26	1.50	6.49	1.11
27/11/2025 23:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
28/11/2025 00:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
28/11/2025 01:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
28/11/2025 02:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
28/11/2025 03:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
28/11/2025 04:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
28/11/2025 05:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
28/11/2025 06:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
28/11/2025 07:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
28/11/2025 08:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
28/11/2025 09:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
28/11/2025 10:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
28/11/2025 11:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
28/11/2025 12:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
28/11/2025 13:00	14.2	343196.0	39.05	0.19	6.63	2.65
28/11/2025 14:00	14.2	341190.6	39.11	0.65	6.57	2.53
28/11/2025 15:00	14.2	339850.9	38.24	0.52	6.45	2.55
28/11/2025 16:00	14.2	339162.6	34.22	2.15	6.42	2.42
28/11/2025 17:00	14.2	336173.0	32.97	2.07	6.37	1.78
28/11/2025 18:00	14.2	334349.8	34.82	0.87	6.32	0.50
28/11/2025 19:00	14.2	337421.8	33.01	1.30	6.34	0.49
28/11/2025 20:00	14.1	337509.9	31.70	1.29	6.44	0.55
28/11/2025 21:00	14.1	335874.4	26.09	3.83	6.42	0.39
28/11/2025 22:00	14.1	336235.6	28.47	2.18	6.57	0.53
28/11/2025 23:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
29/11/2025 00:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
29/11/2025 01:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
29/11/2025 02:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
29/11/2025 03:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
29/11/2025 04:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
29/11/2025 05:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
29/11/2025 06:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
29/11/2025 07:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
29/11/2025 08:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
29/11/2025 09:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
29/11/2025 10:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
29/11/2025 11:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
29/11/2025 12:00	15.8	233909.5	43.70	2.00	9.13	3.29
29/11/2025 13:00	14.1	334947.1	31.33	1.50	6.53	2.46
29/11/2025 14:00	14.2	332156.7	33.30	0.58	6.51	1.52
29/11/2025 15:00	14.1	331516.7	33.11	0.41	6.42	1.09
29/11/2025 16:00	14.1	331801.1	32.73	0.37	6.63	0.88
29/11/2025 17:00	14.1	326510.5	30.96	0.49	7.04	0.78
29/11/2025 18:00	14.0	325005.8	28.18	1.03	6.50	0.69
29/11/2025 19:00	14.0	329113.1	27.27	1.09	8.52	0.75
29/11/2025 20:00	14.1	330438.6	27.46	1.28	10.11	0.81
29/11/2025 21:00	14.1	350662.6	32.11	1.39	9.53	0.70
29/11/2025 22:00	14.2	372604.7	38.28	1.59	7.65	0.56
29/11/2025 23:00	13.9	299954.7	32.03	1.70	8.31	0.64
30/11/2025 00:00	13.9	300936.1	30.89	2.03	10.91	0.54
30/11/2025 01:00	13.9	301129.5	30.79	2.17	12.65	0.56
30/11/2025 02:00	13.9	301650.0	27.12	3.95	11.70	0.38
30/11/2025 03:00	13.9	298208.3	30.48	2.14	11.38	0.63
30/11/2025 04:00	13.9	293873.3	31.74	1.74	11.50	0.81
30/11/2025 05:00	13.8	286730.9	27.27	5.33	13.62	0.45
30/11/2025 06:00	13.8	282697.5	32.41	3.05	11.81	0.63
30/11/2025 07:00	13.9	279164.7	25.43	3.06	8.10	0.34
30/11/2025 08:00	14.0	275555.1	36.10	3.28	7.74	0.46
30/11/2025 09:00	14.0	271587.1	38.41	2.54	7.59	0.40
30/11/2025 10:00	14.1	269715.4	41.37	1.14	7.48	0.49
30/11/2025 11:00	14.1	268517.9	43.37	0.49	7.42	0.49
30/11/2025 12:00	14.1	268591.9	42.25	1.08	7.37	0.41
30/11/2025 13:00	14.0	269809.3	39.72	1.37	7.62	0.40
30/11/2025 14:00	14.0	272545.7	37.11	1.36	7.70	0.40
30/11/2025 15:00	13.9	275930.6	36.39	0.80	7.52	0.50
30/11/2025 16:00	13.9	280089.1	35.20	0.61	7.42	0.54
30/11/2025 17:00	14.0	320053.6	31.55	1.99	7.61	0.34
30/11/2025 18:00	14.0	333948.7	30.07	1.32	7.92	0.45
30/11/2025 19:00	14.0	313747.4	26.28	1.00	7.92	0.60
30/11/2025 20:00	14.0	316014.5	24.84	1.28	7.97	0.62
30/11/2025 21:00	14.3	295142.8	27.19	2.20	10.71	16.42
30/11/2025 22:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
30/11/2025 23:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
Minimum	13.83	203,909.50	4.49	0.00	5.89	0.34
Maximum	15.83	372,892.00	57.22	5.71	23.83	26.28
Avg	14.82	331,571.95	44.95	1.08	9.83	1.44
SUM						
STD			STD = 60	STD = 6	STD = 28	STD = 690

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
01/11/2025 00:00	14.47	345,844.20	26.68	2.16	14.96	0.67
01/11/2025 01:00	14.46	344,814.50	26.42	2.18	14.50	0.82
01/11/2025 02:00	14.46	344,268.30	26.35	2.20	14.37	0.95
01/11/2025 03:00	14.44	342,499.10	26.08	2.15	14.59	0.65
01/11/2025 04:00	14.44	341,597.40	25.91	2.19	14.95	0.65
01/11/2025 05:00	14.43	338,121.50	25.54	2.23	16.97	0.71
01/11/2025 06:00	14.42	336,832.90	25.44	2.15	17.95	0.75
01/11/2025 07:00	14.46	346,009.10	26.12	2.18	13.88	0.73
01/11/2025 08:00	14.52	354,485.60	26.99	2.11	12.35	0.63
01/11/2025 09:00	14.49	347,004.70	26.72	2.19	12.53	0.61
01/11/2025 10:00	14.51	344,487.30	26.78	2.15	11.57	0.57
01/11/2025 11:00	14.51	339,916.30	26.78	2.20	11.25	0.54
01/11/2025 12:00	14.51	338098.7	26.65	2.15	11.12	0.57
01/11/2025 13:00	14.55	385455.9	30.80	2.17	11.25	0.50
01/11/2025 14:00	14.53	388035.8	30.03	2.14	10.28	0.50
01/11/2025 15:00	14.57	388590.5	30.15	2.17	10.45	0.51
01/11/2025 16:00	14.55	388650.2	30.36	2.15	11.12	0.55
01/11/2025 17:00	14.56	382665.5	29.25	2.13	12.01	0.50
01/11/2025 18:00	14.53	378728.8	29.46	2.03	18.96	0.48
01/11/2025 19:00	14.54	382989.8	29.79	2.10	16.81	0.46
01/11/2025 20:00	14.55	383857.3	29.99	2.10	14.71	0.46
01/11/2025 21:00	14.55	387350.3	30.69	2.15	13.48	0.53
01/11/2025 22:00	14.56	391048.1	32.03	2.04	12.76	0.42
01/11/2025 23:00	14.42	343107.8	27.78	1.99	17.44	0.54
02/11/2025 00:00	14.42	340587.6	27.41	1.99	15.70	0.56
02/11/2025 01:00	14.42	339768.4	27.14	2.06	11.54	0.56
02/11/2025 02:00	14.42	339205.2	26.88	2.08	10.47	0.56
02/11/2025 03:00	14.42	337347.8	26.71	2.08	11.00	0.58
02/11/2025 04:00	14.40	333820.7	26.52	2.07	11.78	0.60
02/11/2025 05:00	14.38	326234.6	25.75	2.13	11.34	0.60
02/11/2025 06:00	14.38	321794.4	25.07	2.15	10.77	0.66
02/11/2025 07:00	14.37	315269.2	24.44	2.09	10.47	0.64
02/11/2025 08:00	14.39	310925.8	24.23	1.96	10.29	0.62
02/11/2025 09:00	14.42	305043.4	23.30	1.95	12.85	0.54
02/11/2025 10:00	14.43	307100	23.72	1.96	11.56	0.54
02/11/2025 11:00	14.46	305174.3	23.89	2.01	10.53	0.52
02/11/2025 12:00	14.46	304611.1	24.02	1.88	11.07	0.54
02/11/2025 13:00	14.48	305364.9	24.21	2.06	11.93	0.52
02/11/2025 14:00	14.49	305490	24.72	1.95	11.54	0.54
02/11/2025 15:00	14.52	310701	25.86	1.96	11.00	0.54
02/11/2025 16:00	14.51	316276.2	26.28	2.02	10.70	0.54
02/11/2025 17:00	14.52	333590.3	27.41	1.92	10.50	0.57
02/11/2025 18:00	14.55	388746.9	29.95	1.99	11.19	0.57
02/11/2025 19:00	14.57	390368.3	29.89	2.00	11.16	0.51
02/11/2025 20:00	14.58	390829	31.12	2.00	11.74	0.44
02/11/2025 21:00	14.53	373472.3	30.05	1.92	12.13	0.41
02/11/2025 22:00	14.37	317650	25.33	1.89	13.01	0.55
02/11/2025 23:00	14.36	318358.3	24.72	1.93	10.80	0.79
03/11/2025 00:00	14.36	317985.7	24.59	1.91	11.35	0.55
03/11/2025 01:00	14.36	317747.2	24.36	1.93	11.82	0.62
03/11/2025 02:00	14.35	316700	24.13	1.99	16.79	0.59
03/11/2025 03:00	14.36	315724.3	24.25	1.87	18.28	0.60
03/11/2025 04:00	14.36	315707.3	24.21	1.85	19.66	0.57
03/11/2025 05:00	14.36	315340.3	24.04	1.91	21.13	0.57
03/11/2025 06:00	14.38	321950.8	24.84	1.92	18.46	0.60
03/11/2025 07:00	14.44	339936.3	26.55	1.87	15.69	0.62
03/11/2025 08:00	14.49	348060	27.28	1.93	13.36	0.61
03/11/2025 09:00	14.44	325910.3	25.61	1.85	12.48	0.65
03/11/2025 10:00	14.42	315374.5	24.67	1.91	11.84	0.64
03/11/2025 11:00	14.45	316799.5	25.13	1.83	10.97	0.62
03/11/2025 12:00	14.47	320895.5	25.72	1.77	10.90	0.61
03/11/2025 13:00	14.58	390112.3	31.36	1.80	11.37	0.51
03/11/2025 14:00	14.58	391426.4	29.93	1.96	10.82	0.46
03/11/2025 15:00	14.60	391705.1	30.20	1.92	10.44	0.44
03/11/2025 16:00	14.59	391201.7	30.20	1.89	10.13	0.48
03/11/2025 17:00	14.59	390851.8	29.96	1.87	10.95	0.53

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
03/11/2025 18:00	14.59	391164.7	29.76	1.85	11.72	0.51
03/11/2025 19:00	14.58	390200.4	31.63	1.83	12.03	0.59
03/11/2025 20:00	14.59	390880.3	30.05	1.85	12.25	0.64
03/11/2025 21:00	14.58	391122	29.49	1.89	12.27	0.55
03/11/2025 22:00	14.58	391452	30.77	1.89	11.59	0.53
03/11/2025 23:00	14.45	344985.1	27.09	1.87	11.79	0.58
04/11/2025 00:00	14.44	344854.3	26.64	1.85	12.70	0.58
04/11/2025 01:00	14.44	345204.2	26.90	1.89	12.85	0.56
04/11/2025 02:00	14.45	343127.7	27.00	1.94	14.03	0.58
04/11/2025 03:00	14.46	343645.4	27.13	1.88	14.05	0.58
04/11/2025 04:00	14.46	341719.7	26.89	1.92	20.42	0.60
04/11/2025 05:00	14.44	336574.1	26.77	1.72	15.56	0.69
04/11/2025 06:00	14.44	338121.5	26.79	1.66	18.72	0.71
04/11/2025 07:00	14.48	349436.7	27.26	1.91	18.45	0.83
04/11/2025 08:00	14.53	355219.4	28.32	1.85	13.44	0.57
04/11/2025 09:00	14.53	353780.2	28.39	1.83	12.35	0.59
04/11/2025 10:00	14.53	350617.1	27.97	1.79	11.61	0.68
04/11/2025 11:00	14.53	348884.9	27.80	1.77	11.61	0.68
04/11/2025 12:00	14.53	345130.2	27.47	1.77	11.76	0.65
04/11/2025 13:00	14.57	390814.8	31.05	1.78	12.14	0.59
04/11/2025 14:00	14.59	392276.9	29.91	1.85	11.59	0.55
04/11/2025 15:00	14.61	392157.4	30.21	1.86	11.05	0.53
04/11/2025 16:00	14.61	392393.5	30.23	1.79	11.40	0.55
04/11/2025 17:00	14.60	391574.3	30.56	1.68	11.30	0.55
04/11/2025 18:00	14.59	390686.8	30.84	1.83	11.61	0.55
04/11/2025 19:00	14.61	390991.2	31.87	1.92	11.98	0.57
04/11/2025 20:00	14.63	391432.1	34.07	1.82	12.35	0.62
04/11/2025 21:00	14.64	392316.7	33.64	1.75	12.70	0.60
04/11/2025 22:00	14.63	392649.5	33.43	1.75	12.81	0.60
04/11/2025 23:00	14.50	345198.5	29.04	1.72	13.40	0.65
05/11/2025 00:00	14.50	343662.5	28.52	1.76	13.60	0.67
05/11/2025 01:00	14.50	344914	28.47	1.69	13.86	0.70
05/11/2025 02:00	14.49	345141.6	28.15	1.82	14.03	0.69
05/11/2025 03:00	14.49	343107.8	27.76	1.80	14.27	0.76
05/11/2025 04:00	14.49	342214.6	27.69	1.76	13.83	0.72
05/11/2025 05:00	14.47	336975.2	27.50	1.79	13.51	0.71
05/11/2025 06:00	14.49	338192.6	27.71	1.84	13.42	0.69
05/11/2025 07:00	14.53	346700.3	28.63	1.92	12.96	0.68
05/11/2025 08:00	14.56	351700.9	29.36	1.75	12.26	0.64
05/11/2025 09:00	14.56	344188.7	29.47	1.69	12.15	0.66
05/11/2025 10:00	14.59	345187.1	29.89	1.70	11.48	0.64
05/11/2025 11:00	14.59	346427.3	29.91	1.74	11.32	0.66
05/11/2025 12:00	14.57	340678.6	29.23	1.76	11.35	0.68
05/11/2025 13:00	14.64	389728.3	33.35	1.87	10.01	0.56
05/11/2025 14:00	14.63	391750.6	31.35	1.91	10.64	0.51
05/11/2025 15:00	14.63	391696.6	31.48	1.64	10.64	0.55
05/11/2025 16:00	14.62	391830.3	31.12	1.77	10.73	0.53
05/11/2025 17:00	14.61	391366.6	30.98	1.72	11.34	0.57
05/11/2025 18:00	14.60	391147.6	31.40	1.81	11.78	0.60
05/11/2025 19:00	14.61	390638.5	32.29	1.79	11.84	0.60
05/11/2025 20:00	14.60	391255.7	30.84	1.77	12.13	0.62
05/11/2025 21:00	14.60	391585.7	30.89	1.79	12.00	0.64
05/11/2025 22:00	14.60	392146.00	30.56	1.83	12.07	0.62
05/11/2025 23:00	14.48	346777.10	26.83	1.80	12.47	0.69
06/11/2025 00:00	14.48	347055.90	26.63	1.78	12.10	0.71
06/11/2025 01:00	14.49	348572.00	26.74	1.78	12.49	0.72
06/11/2025 02:00	14.48	345770.20	26.63	1.75	12.67	0.71
06/11/2025 03:00	14.47	344749.00	26.33	1.95	12.84	0.69
06/11/2025 04:00	14.47	343560.10	26.37	1.88	12.91	0.67
06/11/2025 05:00	14.45	337310.80	25.99	1.85	12.97	0.69
06/11/2025 06:00	14.44	336440.40	25.82	1.81	13.06	0.71
06/11/2025 07:00	14.50	349086.80	26.84	1.74	12.66	0.70
06/11/2025 08:00	14.58	356994.40	28.77	1.72	12.60	0.64
06/11/2025 09:00	14.59	355637.60	29.23	1.76	12.05	0.66
06/11/2025 10:00	14.56	345414.60	28.46	1.75	12.17	0.68
06/11/2025 11:00	14.58	345647.90	28.48	1.80	11.48	0.66

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
06/11/2025 12:00	14.58	342894.50	28.35	1.80	11.41	0.62
06/11/2025 13:00	14.61	387848.10	32.77	1.75	10.70	0.57
06/11/2025 14:00	14.58	390519.00	30.90	1.80	10.67	0.55
06/11/2025 15:00	14.58	390706.70	30.73	1.80	10.64	0.55
06/11/2025 16:00	14.58	390655.50	30.57	1.85	11.00	0.57
06/11/2025 17:00	14.58	390280.1	30.51	1.76	11.08	0.59
06/11/2025 18:00	14.58	389879	30.53	1.76	11.55	0.66
06/11/2025 19:00	14.56	388337.3	31.29	1.75	12.10	0.72
06/11/2025 20:00	14.56	390592.9	30.15	1.80	12.04	0.75
06/11/2025 21:00	14.57	390954.2	30.06	1.82	13.61	0.66
06/11/2025 22:00	14.57	391124.9	30.13	1.73	12.49	0.66
06/11/2025 23:00	14.49	350420.9	26.13	1.80	13.14	0.72
07/11/2025 00:00	14.49	350051.1	25.72	1.82	14.10	0.78
07/11/2025 01:00	14.49	352127.5	25.57	1.80	13.73	0.87
07/11/2025 02:00	14.49	350750.8	25.59	1.78	15.37	0.91
07/11/2025 03:00	14.48	348253.4	25.44	1.78	17.52	0.89
07/11/2025 04:00	14.48	347428.5	25.63	1.82	14.05	0.97
07/11/2025 05:00	14.47	341890.4	26.09	1.64	17.86	0.95
07/11/2025 06:00	14.47	340044.3	25.68	1.77	21.62	1.02
07/11/2025 07:00	14.50	348455.3	25.87	1.80	18.22	1.04
07/11/2025 08:00	14.55	358117.9	26.46	1.86	13.64	0.96
07/11/2025 09:00	14.56	358260.2	27.32	1.75	13.77	0.88
07/11/2025 10:00	14.57	355950.5	27.23	1.78	12.76	0.83
07/11/2025 11:00	14.58	354886.6	27.45	1.61	12.27	0.81
07/11/2025 12:00	14.57	351060.9	27.14	1.62	11.88	0.81
07/11/2025 13:00	14.55	388112.6	30.49	1.58	11.60	0.77
07/11/2025 14:00	14.53	388306	30.18	1.64	11.63	0.76
07/11/2025 15:00	14.54	388983	30.55	1.77	11.36	0.68
07/11/2025 16:00	14.53	388556.3	30.42	1.75	11.63	0.70
07/11/2025 17:00	14.52	387953.3	30.15	1.74	11.20	0.74
07/11/2025 18:00	14.55	385242.6	31.21	1.75	11.30	0.81
07/11/2025 19:00	14.55	385083.3	31.08	1.82	11.10	0.79
07/11/2025 20:00	14.54	386650.6	31.17	1.75	10.86	0.83
07/11/2025 21:00	14.53	387575	31.12	1.81	11.52	0.81
07/11/2025 22:00	14.57	390018.4	32.54	1.76	12.69	0.55
07/11/2025 23:00	14.50	346134.3	27.97	1.74	13.55	0.56
08/11/2025 00:00	14.51	344834.4	28.04	1.81	13.31	0.57
08/11/2025 01:00	14.51	345733.2	27.67	1.81	14.03	0.54
08/11/2025 02:00	14.49	344541.4	27.21	1.78	15.11	0.54
08/11/2025 03:00	14.49	343107.8	26.85	1.80	15.16	0.63
08/11/2025 04:00	14.48	342396.7	26.70	1.78	16.13	0.58
08/11/2025 05:00	14.46	336633.8	26.38	1.81	14.81	0.60
08/11/2025 06:00	14.45	334986.9	26.18	1.77	14.87	0.62
08/11/2025 07:00	14.49	345724.7	26.78	1.76	14.77	0.61
08/11/2025 08:00	14.50	355648.9	27.52	1.78	14.90	0.59
08/11/2025 09:00	14.47	352909.8	27.48	1.82	14.92	0.63
08/11/2025 10:00	14.46	345363.4	26.98	1.79	14.70	0.54
08/11/2025 11:00	14.48	344188.7	27.13	1.73	13.96	0.58
08/11/2025 12:00	14.48	336070.6	26.28	1.75	13.16	0.61
08/11/2025 13:00	14.58	389776.6	30.64	1.89	11.92	0.48
08/11/2025 14:00	14.60	386104.4	28.97	1.92	11.76	0.46
08/11/2025 15:00	14.60	386468.5	28.81	1.85	11.87	0.46
08/11/2025 16:00	14.60	389170.7	29.57	1.81	11.98	0.49
08/11/2025 17:00	14.60	384722	29.01	1.70	11.98	0.53
08/11/2025 18:00	14.59	383129.1	28.73	1.70	12.14	0.57
08/11/2025 19:00	14.62	387034.6	29.92	1.77	12.51	0.60
08/11/2025 20:00	14.62	387620.5	30.43	1.79	12.95	0.64
08/11/2025 21:00	14.59	387242.2	30.93	1.83	12.75	0.75
08/11/2025 22:00	14.56	390302.8	30.26	1.84	13.35	0.77
08/11/2025 23:00	14.48	345608.1	25.61	1.78	13.19	0.84
09/11/2025 00:00	14.48	344464.6	25.55	1.69	12.51	0.91
09/11/2025 01:00	14.50	345696.3	25.98	1.74	12.51	0.98
09/11/2025 02:00	14.50	344786	26.21	1.85	12.64	0.91
09/11/2025 03:00	14.49	342587.3	25.91	1.84	14.38	0.93
09/11/2025 04:00	14.47	340030.1	25.68	1.86	14.63	0.86
09/11/2025 05:00	14.44	332850.7	25.35	1.83	16.27	0.82

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
09/11/2025 06:00	14.42	327193.1	25.01	1.80	17.46	0.79
09/11/2025 07:00	14.41	325475.1	24.74	1.78	16.66	0.77
09/11/2025 08:00	14.42	322920.8	24.41	1.74	14.29	0.75
09/11/2025 09:00	14.45	322909.4	24.42	1.64	12.15	0.71
09/11/2025 10:00	14.46	321305.1	24.37	1.60	11.61	0.73
09/11/2025 11:00	14.47	321253.9	24.73	1.69	11.28	0.73
09/11/2025 12:00	14.51	326584.4	25.30	1.74	11.09	0.72
09/11/2025 13:00	14.52	321783	25.32	1.74	11.76	0.72
09/11/2025 14:00	14.52	326573	25.38	1.74	11.72	0.72
09/11/2025 15:00	14.52	328399.2	25.51	1.66	11.90	0.76
09/11/2025 16:00	14.52	330276.5	25.56	1.70	11.98	0.76
09/11/2025 17:00	14.53	339967.5	26.51	1.68	11.87	0.76
09/11/2025 18:00	14.54	386730.2	29.50	1.73	11.23	0.68
09/11/2025 19:00	14.57	386303.5	28.37	1.62	11.42	0.68
09/11/2025 20:00	14.55	387193.8	28.83	1.75	11.80	0.74
09/11/2025 21:00	14.51	375113.5	28.80	1.72	12.23	0.76
09/11/2025 22:00	14.44	337541.2	24.51	1.66	12.63	0.84
09/11/2025 23:00	14.47	337876.9	25.08	1.73	12.58	0.82
10/11/2025 00:00	14.49	336909.8	25.41	1.71	11.95	0.91
10/11/2025 01:00	14.46	336392.8	24.63	1.71	12.76	0.97
10/11/2025 02:00	14.46	336059.3	24.69	1.68	13.06	1.01
10/11/2025 03:00	14.45	333106.7	24.83	1.75	12.93	0.99
10/11/2025 04:00	14.44	330381.8	24.85	1.72	12.72	0.99
10/11/2025 05:00	14.41	325523.4	24.18	1.78	12.32	1.09
10/11/2025 06:00	14.43	330708.9	24.32	1.74	12.12	1.05
10/11/2025 07:00	14.53	349024.3	26.10	1.68	11.24	0.87
10/11/2025 08:00	14.58	357014.3	27.38	1.72	11.28	0.84
10/11/2025 09:00	14.59	352147.4	27.62	1.70	10.33	0.73
10/11/2025 10:00	14.58	352756.2	26.26	1.69	9.37	0.75
10/11/2025 11:00	14.55	344450.4	25.70	1.71	11.14	0.72
10/11/2025 12:00	14.54	341637.2	25.92	1.66	11.52	0.70
10/11/2025 13:00	14.57	386286.5	29.32	1.71	11.48	0.64
10/11/2025 14:00	14.55	387981.8	29.55	1.73	11.54	0.63
10/11/2025 15:00	14.55	387850.9	29.81	1.66	11.45	0.61
10/11/2025 16:00	14.55	388613.2	30.27	1.64	11.34	0.63
10/11/2025 17:00	14.54	388226.4	30.12	1.53	11.69	0.68
10/11/2025 18:00	14.54	389074	30.20	1.64	11.15	0.63
10/11/2025 19:00	14.54	389432.4	29.77	1.75	10.71	0.68
10/11/2025 20:00	14.53	389261.8	29.81	1.70	10.74	0.72
10/11/2025 21:00	14.52	388948.9	29.61	1.81	11.20	0.68
10/11/2025 22:00	14.54	389657.1	29.75	1.77	11.43	0.68
10/11/2025 23:00	14.49	349994.2	25.63	1.76	11.73	0.69
11/11/2025 00:00	14.49	348540.7	25.20	1.71	11.45	0.76
11/11/2025 01:00	14.50	350053.9	25.52	1.69	12.10	0.78
11/11/2025 02:00	14.52	348697.1	26.34	1.74	12.03	0.76
11/11/2025 03:00	14.53	347209.5	26.82	1.64	12.07	0.85
11/11/2025 04:00	14.50	343816.1	25.87	1.67	12.12	1.04
11/11/2025 05:00	14.46	339489.7	24.86	1.68	12.07	1.06
11/11/2025 06:00	14.46	341625.8	24.82	1.73	12.09	1.04
11/11/2025 07:00	14.53	351871.5	25.90	1.72	11.43	0.87
11/11/2025 08:00	14.57	358402.4	26.57	1.60	10.45	0.86
11/11/2025 09:00	14.60	360208.6	27.16	1.70	9.75	0.75
11/11/2025 10:00	14.63	360237	27.84	1.71	10.02	0.69
11/11/2025 11:00	14.63	351097.8	27.62	1.75	9.89	0.67
11/11/2025 12:00	14.61	349166.5	26.72	1.77	10.14	0.71
11/11/2025 13:00	14.57	387475.4	29.60	1.69	10.25	0.84
11/11/2025 14:00	14.56	387210.9	29.60	1.64	10.76	0.59
11/11/2025 15:00	14.57	388206.5	30.44	1.69	10.80	0.59
11/11/2025 16:00	14.57	388206.5	30.85	1.62	10.87	0.59
11/11/2025 17:00	14.56	388220.7	30.78	1.67	10.79	0.64
11/11/2025 18:00	14.56	389182.1	31.11	1.62	10.96	0.64
11/11/2025 19:00	14.56	388664.4	31.35	1.60	10.87	0.66
11/11/2025 20:00	14.56	389213.4	31.46	1.56	10.63	0.68
11/11/2025 21:00	14.56	389805	31.00	1.60	10.09	0.75
11/11/2025 22:00	14.55	387697.3	30.82	1.64	10.27	0.90
11/11/2025 23:00	14.51	352417.7	25.73	1.61	10.62	0.91

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
12/11/2025 00:00	14.52	350967	25.84	1.68	10.59	0.87
12/11/2025 01:00	14.55	353171.4	26.64	1.69	10.59	0.85
12/11/2025 02:00	14.56	353905.3	26.62	1.69	10.57	0.92
12/11/2025 03:00	14.53	350477.8	26.03	1.72	10.93	1.11
12/11/2025 04:00	14.51	347343.2	25.58	1.70	11.70	1.39
12/11/2025 05:00	14.48	342046.8	25.07	1.69	12.36	1.32
12/11/2025 06:00	14.48	342396.7	25.09	1.65	13.94	1.23
12/11/2025 07:00	14.54	352810.2	26.14	1.66	12.76	0.98
12/11/2025 08:00	14.58	357497.8	26.72	1.58	11.94	0.92
12/11/2025 09:00	14.57	354084.5	26.48	1.52	11.18	0.92
12/11/2025 10:00	14.61	359426.4	27.67	1.59	10.98	0.82
12/11/2025 11:00	14.62	355145.5	28.04	1.68	10.40	0.80
12/11/2025 12:00	14.62	350895.9	27.51	1.64	10.43	0.82
12/11/2025 13:00	14.61	383663.9	30.67	1.59	10.34	0.77
12/11/2025 14:00	14.57	387899.3	29.64	1.65	10.39	0.70
12/11/2025 15:00	14.56	387023.2	29.31	1.62	10.30	0.72
12/11/2025 16:00	14.55	387347.4	29.51	1.69	10.53	0.74
12/11/2025 17:00	14.54	387034.6	29.57	1.68	9.70	0.76
12/11/2025 18:00	14.53	387213.8	29.13	1.66	9.84	0.87
12/11/2025 19:00	14.53	387057.3	29.59	1.66	10.63	1.07
12/11/2025 20:00	14.53	388599	29.87	1.68	10.74	0.98
12/11/2025 21:00	14.57	387392.9	30.68	1.60	11.16	1.05
12/11/2025 22:00	14.56	390419.4	30.67	1.62	11.86	1.12
12/11/2025 23:00	14.50	350142.1	26.34	1.59	12.10	1.11
13/11/2025 00:00	14.52	349266	26.43	1.61	12.29	1.20
13/11/2025 01:00	14.52	352471.7	26.08	1.50	13.99	1.05
13/11/2025 02:00	14.52	352460.3	26.17	1.50	14.38	0.89
13/11/2025 03:00	14.51	348005.9	27.15	1.52	17.08	0.65
13/11/2025 04:00	14.50	343747.8	27.32	1.61	20.74	0.67
13/11/2025 05:00	14.48	338149.9	26.89	1.54	12.97	0.71
13/11/2025 06:00	14.48	338602.2	26.70	1.60	13.32	0.69
13/11/2025 07:00	14.53	353598.1	27.21	1.57	15.19	0.70
13/11/2025 08:00	14.55	360128.90	28.00	1.51	18.34	0.68
13/11/2025 09:00	14.52	350557.40	27.34	1.39	22.81	0.65
13/11/2025 10:00	14.55	349394.00	26.86	1.58	12.85	0.66
13/11/2025 11:00	14.55	344749.00	27.30	1.66	11.71	0.63
13/11/2025 12:00	14.59	350099.40	28.11	1.50	11.37	0.62
13/11/2025 13:00	14.58	389901.80	30.99	1.58	11.52	0.57
13/11/2025 14:00	14.58	388752.60	29.91	1.50	11.59	0.57
13/11/2025 15:00	14.57	388903.30	30.61	1.41	11.09	0.64
13/11/2025 16:00	14.56	389822.10	30.58	1.40	13.86	0.66
13/11/2025 17:00	14.56	388482.4	29.49	1.49	12.63	0.68
13/11/2025 18:00	14.59	385737.5	29.78	1.45	12.62	0.73
13/11/2025 19:00	14.59	387759.9	31.90	1.52	11.94	0.73
13/11/2025 20:00	14.60	389315.8	30.20	1.57	12.20	0.66
13/11/2025 21:00	14.60	389500.7	30.23	1.54	12.51	0.79
13/11/2025 22:00	14.58	390891.6	32.57	1.52	12.65	0.79
13/11/2025 23:00	14.54	350784.9	28.30	1.38	12.76	0.83
14/11/2025 00:00	14.53	348364.3	27.47	1.55	12.98	0.89
14/11/2025 01:00	14.52	349132.3	26.88	1.61	13.29	0.94
14/11/2025 02:00	14.52	349638.6	26.60	1.59	12.68	0.96
14/11/2025 03:00	14.51	347292	26.45	1.65	11.86	0.96
14/11/2025 04:00	14.50	345773	26.71	1.63	12.60	0.89
14/11/2025 05:00	14.50	339813.9	27.19	1.52	13.16	0.85
14/11/2025 06:00	14.51	338002	27.84	1.46	13.14	0.80
14/11/2025 07:00	14.54	344316.7	28.54	1.36	12.76	0.81
14/11/2025 08:00	14.59	351962.6	29.34	1.48	12.20	0.77
14/11/2025 09:00	14.58	346925	29.32	1.41	12.01	0.79
14/11/2025 10:00	14.58	343173.2	28.86	1.56	11.28	0.77
14/11/2025 11:00	14.59	338283.6	29.32	1.52	10.77	0.75
14/11/2025 12:00	14.58	335026.7	29.19	1.25	10.75	0.77
14/11/2025 13:00	14.66	394688.9	32.26	1.36	10.07	0.62
14/11/2025 14:00	14.65	388889.1	31.54	1.47	10.07	0.62
14/11/2025 15:00	14.65	387973.2	31.94	1.45	9.56	0.64
14/11/2025 16:00	14.65	389162.2	32.94	1.40	9.45	0.62
14/11/2025 17:00	14.64	383567.2	32.82	1.49	9.53	0.64

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
14/11/2025 18:00	14.66	380170.9	33.77	1.40	9.65	0.69
14/11/2025 19:00	14.76	386363.3	37.40	1.29	10.14	0.79
14/11/2025 20:00	14.75	387324.7	37.29	1.29	10.42	0.84
14/11/2025 21:00	14.71	389014.3	37.23	1.15	10.58	0.85
14/11/2025 22:00	14.63	391031	33.56	1.22	10.66	0.86
14/11/2025 23:00	14.51	343031	29.15	1.33	11.38	0.91
15/11/2025 00:00	14.58	343762	30.92	1.34	11.52	0.90
15/11/2025 01:00	14.58	344535.7	30.51	1.45	11.77	0.92
15/11/2025 02:00	14.58	343636.9	30.64	1.43	11.66	0.88
15/11/2025 03:00	14.56	340670.1	30.30	1.47	11.82	0.88
15/11/2025 04:00	14.57	340877.8	30.83	1.32	11.99	0.77
15/11/2025 05:00	14.54	335370.9	30.53	1.36	12.17	0.79
15/11/2025 06:00	14.52	333095.3	30.26	1.31	12.70	0.81
15/11/2025 07:00	14.55	339569.3	30.97	1.27	12.65	0.79
15/11/2025 08:00	14.57	340104.1	31.12	1.34	12.30	0.75
15/11/2025 09:00	14.58	337532.7	31.34	1.32	11.46	0.70
15/11/2025 10:00	14.58	331823.9	31.69	1.28	10.71	0.75
15/11/2025 11:00	14.52	326393.8	29.54	1.33	9.70	0.70
15/11/2025 12:00	14.55	324815.2	30.08	1.31	10.09	0.70
15/11/2025 13:00	14.67	392245.6	33.80	1.27	9.42	0.54
15/11/2025 14:00	14.65	391924.2	33.74	1.29	9.45	0.56
15/11/2025 15:00	14.66	391776.3	33.57	1.43	9.29	0.56
15/11/2025 16:00	14.66	392404.9	33.73	1.38	9.22	0.53
15/11/2025 17:00	14.65	389406.8	33.56	1.31	9.61	0.60
15/11/2025 18:00	14.63	386366.1	32.94	1.31	10.09	0.60
15/11/2025 19:00	14.63	390044	32.90	1.37	10.26	0.60
15/11/2025 20:00	14.63	390547.4	32.83	1.44	10.53	0.58
15/11/2025 21:00	14.62	390311.3	32.94	1.37	10.73	0.60
15/11/2025 22:00	14.62	391173.2	32.96	1.37	11.07	0.62
15/11/2025 23:00	14.55	341088.3	30.34	1.31	11.82	0.77
16/11/2025 00:00	14.55	338596.5	30.25	1.25	11.93	0.79
16/11/2025 01:00	14.55	338656.3	30.14	1.25	12.11	0.74
16/11/2025 02:00	14.54	338676.2	29.83	1.31	12.28	0.74
16/11/2025 03:00	14.53	335552.9	29.48	1.29	12.42	0.74
16/11/2025 04:00	14.50	331334.6	28.97	1.22	12.79	0.76
16/11/2025 05:00	14.48	325816.4	28.25	1.36	13.10	0.74
16/11/2025 06:00	14.48	321009.3	27.80	1.26	13.29	0.74
16/11/2025 07:00	14.47	314387.4	27.43	1.23	13.45	0.73
16/11/2025 08:00	14.48	307427.1	27.15	1.28	13.16	0.69
16/11/2025 09:00	14.52	304272.6	26.47	1.15	12.46	0.65
16/11/2025 10:00	14.53	303018.2	26.14	1.22	11.94	0.61
16/11/2025 11:00	14.54	301197.8	25.85	1.29	11.85	0.59
16/11/2025 12:00	14.54	302241.7	25.96	1.27	12.22	0.59
16/11/2025 13:00	14.53	304110.5	26.23	1.42	12.37	0.63
16/11/2025 14:00	14.53	307222.3	26.77	1.35	12.20	0.68
16/11/2025 15:00	14.54	314034.7	27.17	1.29	11.39	0.68
16/11/2025 16:00	14.54	316313.1	27.49	1.25	11.43	0.70
16/11/2025 17:00	14.57	331752.8	28.74	1.23	11.53	0.68
16/11/2025 18:00	14.65	391750.6	32.67	1.20	11.10	0.62
16/11/2025 19:00	14.63	391636.9	31.39	1.26	11.08	0.58
16/11/2025 20:00	14.62	391648.3	31.28	1.28	11.44	0.60
16/11/2025 21:00	14.56	374325.6	30.19	1.18	11.75	0.61
16/11/2025 22:00	14.42	323683.1	25.76	1.20	12.31	0.64
16/11/2025 23:00	14.46	324479.5	26.92	1.27	13.02	0.67
17/11/2025 00:00	14.46	323836.7	26.98	1.30	13.06	0.67
17/11/2025 01:00	14.47	323389.8	27.35	1.32	12.95	0.63
17/11/2025 02:00	14.47	322269.4	27.37	1.21	12.97	0.65
17/11/2025 03:00	14.46	321171.4	26.98	1.30	13.08	0.67
17/11/2025 04:00	14.47	320815.9	27.13	1.30	12.95	0.65
17/11/2025 05:00	14.47	319686.6	26.78	1.28	12.99	0.67
17/11/2025 06:00	14.47	324576.3	27.43	1.25	13.04	0.67
17/11/2025 07:00	14.53	340852.2	28.83	1.31	12.72	0.63
17/11/2025 08:00	14.59	352525.8	29.83	1.39	12.38	0.57
17/11/2025 09:00	14.57	345130.2	29.51	1.36	12.17	0.61
17/11/2025 10:00	14.57	344726.3	29.25	1.25	11.62	0.61
17/11/2025 11:00	14.57	342041.1	28.94	1.21	11.44	0.64

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
17/11/2025 12:00	14.57	346555.3	28.57	1.23	11.48	0.61
17/11/2025 13:00	14.63	393798.6	30.62	1.35	11.66	0.51
17/11/2025 14:00	14.62	391784.8	30.37	1.31	11.69	0.55
17/11/2025 15:00	14.61	391582.8	30.34	1.35	11.73	0.55
17/11/2025 16:00	14.61	390208.9	30.12	1.37	11.93	0.55
17/11/2025 17:00	14.60	387831	29.81	1.37	11.83	0.53
17/11/2025 18:00	14.58	384278.3	29.63	1.32	12.14	0.55
17/11/2025 19:00	14.63	388579.1	31.06	1.31	12.48	0.55
17/11/2025 20:00	14.64	388374.3	31.89	1.29	12.50	0.58
17/11/2025 21:00	14.63	388897.7	32.28	1.35	12.73	0.53
17/11/2025 22:00	14.63	392911.2	32.99	1.37	12.90	0.53
17/11/2025 23:00	14.52	345901	28.39	1.39	13.07	0.59
18/11/2025 00:00	14.53	345838.5	28.15	1.37	13.35	0.59
18/11/2025 01:00	14.53	346791.3	28.24	1.35	13.62	0.61
18/11/2025 02:00	14.53	348071.3	28.28	1.31	13.97	0.59
18/11/2025 03:00	14.52	345798.6	28.13	1.33	14.03	0.61
18/11/2025 04:00	14.51	344879.9	28.10	1.28	15.34	0.61
18/11/2025 05:00	14.50	339603.4	27.82	1.39	14.68	0.61
18/11/2025 06:00	14.51	340653	28.10	1.33	13.57	0.61
18/11/2025 07:00	14.55	347454.1	28.98	1.31	12.83	0.59
18/11/2025 08:00	14.59	355512.4	29.56	1.32	12.45	0.55
18/11/2025 09:00	14.60	356525	29.81	1.28	12.22	0.57
18/11/2025 10:00	14.60	356038.6	30.09	1.21	11.98	0.57
18/11/2025 11:00	14.59	351808.9	29.69	1.30	11.92	0.57
18/11/2025 12:00	14.57	348387.1	29.47	1.32	11.97	0.59
18/11/2025 13:00	14.63	393454.5	31.92	1.33	11.73	0.49
18/11/2025 14:00	14.61	388931.8	31.00	1.28	11.58	0.51
18/11/2025 15:00	14.62	392069.2	31.39	1.11	11.64	0.53
18/11/2025 16:00	14.62	391494.6	31.25	1.26	11.84	0.55
18/11/2025 17:00	14.60	385575.3	30.93	1.30	11.80	0.55
18/11/2025 18:00	14.60	383040.9	31.11	1.13	11.98	0.57
18/11/2025 19:00	14.66	389056.9	32.90	1.20	12.27	0.60
18/11/2025 20:00	14.68	388695.7	33.95	1.23	12.25	0.60
18/11/2025 21:00	14.66	389130.9	34.82	1.18	12.05	0.62
18/11/2025 22:00	14.63	392504.4	32.72	1.22	12.08	0.55
18/11/2025 23:00	14.50	345622.3	28.54	1.15	12.21	0.63
19/11/2025 00:00	14.57	346319.2	30.24	1.19	12.08	0.64
19/11/2025 01:00	14.59	347055.9	31.13	1.21	11.72	0.66
19/11/2025 02:00	14.59	347599.2	31.13	1.19	11.76	0.64
19/11/2025 03:00	14.57	344018	30.50	1.16	12.01	0.68
19/11/2025 04:00	14.55	341398.3	30.08	1.12	12.30	0.68
19/11/2025 05:00	14.54	336611.1	30.38	1.09	12.13	0.70
19/11/2025 06:00	14.55	336460.3	30.56	1.09	11.91	0.72
19/11/2025 07:00	14.60	347738.6	31.44	1.15	11.76	0.68
19/11/2025 08:00	14.63	354815.5	32.19	1.11	11.57	0.64
19/11/2025 09:00	14.62	352759	32.43	1.00	11.44	0.66
19/11/2025 10:00	14.58	341466.6	31.52	0.99	11.39	0.70
19/11/2025 11:00	14.56	333223.3	30.83	1.01	11.01	0.70
19/11/2025 12:00	14.58	334327	30.92	1.12	10.82	0.68
19/11/2025 13:00	14.66	394228.2	34.06	1.18	10.58	0.53
19/11/2025 14:00	14.64	392584.1	33.57	1.09	10.48	0.56
19/11/2025 15:00	14.65	392905.5	33.74	1.11	10.34	0.56
19/11/2025 16:00	14.65	392205.8	34.14	1.02	10.54	0.56
19/11/2025 17:00	14.63	391642.6	34.27	0.91	10.62	0.58
19/11/2025 18:00	14.62	388695.7	34.51	0.91	10.87	0.60
19/11/2025 19:00	14.63	391281.3	34.54	1.04	11.08	0.60
19/11/2025 20:00	14.63	391178.9	34.83	1.00	10.95	0.58
19/11/2025 21:00	14.62	390439.3	34.84	0.97	10.89	0.58
19/11/2025 22:00	14.62	391648.3	35.02	0.95	10.91	0.55
19/11/2025 23:00	14.49	340163.8	30.16	0.98	11.10	0.67
20/11/2025 00:00	14.56	340536.4	32.27	0.90	11.14	0.72
20/11/2025 01:00	14.57	342905.8	32.41	0.92	11.33	0.68
20/11/2025 02:00	14.57	342681.1	32.65	0.94	11.24	0.68
20/11/2025 03:00	14.56	339959	32.49	0.90	11.55	0.70
20/11/2025 04:00	14.55	337720.4	32.44	0.88	11.62	0.70
20/11/2025 05:00	14.53	331570.7	31.77	0.89	11.85	0.70

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
20/11/2025 06:00	14.53	331155.4	31.62	0.89	12.02	0.70
20/11/2025 07:00	14.55	337913.8	32.40	0.92	11.80	0.70
20/11/2025 08:00	14.58	343045.2	33.06	0.86	11.55	0.68
20/11/2025 09:00	14.58	341384.1	33.03	0.86	11.35	0.66
20/11/2025 10:00	14.57	337640.8	32.70	0.83	11.18	0.68
20/11/2025 11:00	14.56	334520.4	32.27	0.79	11.03	0.68
20/11/2025 12:00	14.57	335095	32.08	0.72	11.00	0.70
20/11/2025 13:00	14.65	393733.2	34.69	0.80	10.52	0.53
20/11/2025 14:00	14.63	391770.6	34.54	0.78	10.44	0.55
20/11/2025 15:00	14.63	391426.4	34.67	0.73	10.44	0.55
20/11/2025 16:00	14.63	391335.3	34.58	0.75	10.82	0.58
20/11/2025 17:00	14.62	390302.8	34.29	0.75	11.11	0.60
20/11/2025 18:00	14.62	387808.3	33.86	0.71	11.16	0.64
20/11/2025 19:00	14.64	390752.3	34.88	0.67	11.15	0.64
20/11/2025 20:00	14.71	394737.3	37.57	0.63	11.43	0.67
20/11/2025 21:00	14.70	393918.1	37.22	0.74	11.57	0.65
20/11/2025 22:00	14.70	394387.4	37.55	0.67	11.66	0.63
20/11/2025 23:00	14.56	341384.1	32.27	0.66	11.86	0.72
21/11/2025 00:00	14.54	340166.6	31.49	0.61	11.95	0.74
21/11/2025 01:00	14.55	341489.3	31.76	0.55	12.04	0.72
21/11/2025 02:00	14.55	340911.9	31.81	0.57	11.95	0.70
21/11/2025 03:00	14.54	339415.7	31.36	0.66	12.09	0.70
21/11/2025 04:00	14.53	337529.8	31.23	0.70	12.18	0.70
21/11/2025 05:00	14.52	331090	30.76	0.78	12.18	0.68
21/11/2025 06:00	14.52	331118.5	30.96	0.61	12.20	0.70
21/11/2025 07:00	14.55	338081.7	31.92	0.57	11.97	0.70
21/11/2025 08:00	14.58	344427.6	32.57	0.53	11.61	0.66
21/11/2025 09:00	14.60	343790.5	33.34	0.57	10.90	0.66
21/11/2025 10:00	14.59	339842.4	33.53	0.51	10.60	0.68
21/11/2025 11:00	14.57	330865.3	32.46	0.59	10.58	0.68
21/11/2025 12:00	14.57	331923.4	31.91	0.55	10.34	0.66
21/11/2025 13:00	14.65	393187.1	35.03	0.58	9.59	0.51
21/11/2025 14:00	14.63	392103.3	35.34	0.44	9.47	0.55
21/11/2025 15:00	14.64	391551.5	34.82	0.42	9.75	0.56
21/11/2025 16:00	14.63	391022.5	34.69	0.44	9.95	0.55
21/11/2025 17:00	14.63	390871.7	34.76	0.40	9.93	0.58
21/11/2025 18:00	14.63	390450.7	34.83	0.42	10.06	0.58
21/11/2025 19:00	14.62	390598.6	34.62	0.38	10.25	0.58
21/11/2025 20:00	14.61	390578.7	34.39	0.35	10.47	0.60
21/11/2025 21:00	14.61	390601.5	34.27	0.31	10.65	0.62
21/11/2025 22:00	14.61	390305.7	34.54	0.35	10.78	0.60
21/11/2025 23:00	14.48	338465.7	30.14	0.32	10.96	0.71
22/11/2025 00:00	14.56	339646.1	32.12	0.37	11.14	0.72
22/11/2025 01:00	14.57	339899.3	32.37	0.40	11.13	0.70
22/11/2025 02:00	14.56	339017.5	32.36	0.33	11.12	0.72
22/11/2025 03:00	14.56	337680.6	32.36	0.24	11.20	0.72
22/11/2025 04:00	14.55	335516	31.83	0.35	11.40	0.72
22/11/2025 05:00	14.52	329773	31.05	0.33	11.76	0.72
22/11/2025 06:00	14.52	329912.4	30.96	0.33	11.98	0.72
22/11/2025 07:00	14.52	319080.8	30.52	0.35	12.03	0.72
22/11/2025 08:00	14.50	309008.6	30.23	0.35	11.64	0.70
22/11/2025 09:00	14.52	306460	29.76	0.26	11.35	0.68
22/11/2025 10:00	14.53	310513.3	30.66	0.31	11.02	0.68
22/11/2025 11:00	14.53	309412.5	30.20	0.28	10.67	0.68
22/11/2025 12:00	14.54	307674.6	29.70	0.31	10.99	0.68
22/11/2025 13:00	14.67	393465.8	33.94	0.31	9.66	0.49
22/11/2025 14:00	14.65	392447.5	33.89	0.31	9.45	0.51
22/11/2025 15:00	14.65	392621	33.60	0.33	9.32	0.51
22/11/2025 16:00	14.60	380375.7	32.06	0.60	9.60	0.53
22/11/2025 17:00	14.52	328060.7	29.09	0.59	9.93	0.70
22/11/2025 18:00	14.56	326994	30.32	0.44	10.57	0.75
22/11/2025 19:00	14.55	330077.4	30.45	0.37	10.77	0.74
22/11/2025 20:00	14.55	330148.5	30.60	0.33	11.16	0.74
22/11/2025 21:00	14.64	364788.2	33.42	0.31	10.95	0.71
22/11/2025 22:00	14.71	394356.2	36.71	0.38	11.32	0.67
22/11/2025 23:00	14.53	334787.8	30.88	0.44	11.41	0.81

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
23/11/2025 00:00	14.52	333220.5	30.24	0.44	11.72	0.78
23/11/2025 01:00	14.52	332765.4	30.31	0.46	11.72	0.76
23/11/2025 02:00	14.52	333866.2	30.02	0.46	12.77	0.74
23/11/2025 03:00	14.51	332335.9	29.74	0.50	12.20	0.74
23/11/2025 04:00	14.52	329824.3	30.22	0.44	11.92	0.74
23/11/2025 05:00	14.50	322912.3	29.30	0.41	12.27	0.74
23/11/2025 06:00	14.49	318472.1	28.45	0.43	12.75	0.74
23/11/2025 07:00	14.49	315784.1	28.13	0.39	12.92	0.74
23/11/2025 08:00	14.50	313582.5	28.26	0.39	12.62	0.74
23/11/2025 09:00	14.49	309989.9	28.54	0.41	12.25	0.72
23/11/2025 10:00	14.50	308678.6	28.17	0.59	11.68	0.67
23/11/2025 11:00	14.50	307529.5	28.26	0.59	11.51	0.70
23/11/2025 12:00	14.51	308280.4	28.15	0.59	11.68	0.67
23/11/2025 13:00	14.54	309386.9	28.04	0.70	11.71	0.68
23/11/2025 14:00	14.56	313761.7	28.00	0.70	11.49	0.68
23/11/2025 15:00	14.58	318093.8	28.28	0.70	11.19	0.70
23/11/2025 16:00	14.58	322687.5	28.83	0.62	11.61	0.73
23/11/2025 17:00	14.58	339717.2	28.81	0.73	11.92	0.64
23/11/2025 18:00	14.64	392521.5	32.02	0.71	11.61	0.56
23/11/2025 19:00	14.62	391582.8	31.83	0.71	11.24	0.58
23/11/2025 20:00	14.61	390871.7	31.80	0.66	11.16	0.62
23/11/2025 21:00	14.60	376382.1	31.88	0.75	12.49	0.66
23/11/2025 22:00	14.48	325389.8	27.67	0.67	12.17	0.82
23/11/2025 23:00	14.48	325571.8	27.54	0.71	12.51	0.82
24/11/2025 00:00	14.48	324692.9	27.48	0.80	12.67	0.84
24/11/2025 01:00	14.47	324010.8	27.50	0.76	12.91	0.82
24/11/2025 02:00	14.63	291586.4	38.86	0.71	15.50	0.64
24/11/2025 03:00	14.59	380207.9	30.27	0.70	12.25	0.73
24/11/2025 04:00	14.64	377468.7	33.62	0.73	11.77	0.67
24/11/2025 05:00	14.65	377238.3	34.43	0.85	11.61	0.67
24/11/2025 06:00	14.65	377915.3	34.00	0.80	11.70	0.67
24/11/2025 07:00	14.65	378182.6	33.94	0.64	11.76	0.69
24/11/2025 08:00	14.66	379414.3	34.17	0.65	11.54	0.67
24/11/2025 09:00	14.67	379673.1	33.94	0.58	11.62	0.67
24/11/2025 10:00	14.69	381348.5	34.11	0.74	11.06	0.63
24/11/2025 11:00	14.72	384107.6	34.35	0.76	10.48	0.61
24/11/2025 12:00	14.71	314119.8	37.34	0.88	12.24	0.58
24/11/2025 13:00	14.61	346703.2	29.17	0.80	10.47	0.69
24/11/2025 14:00	14.64	342063.9	30.04	0.80	10.37	0.69
24/11/2025 15:00	Claribrate	Claribrate	Claribrate	Claribrate	Claribrate	Claribrate
24/11/2025 16:00	14.68	348054.3	31.38	1.21	10.26	0.69
24/11/2025 17:00	14.71	370437.2	33.37	1.12	10.19	0.65
24/11/2025 18:00	14.68	367518.8	32.74	1.07	10.55	0.67
24/11/2025 19:00	14.67	370377.5	32.75	1.09	10.80	0.69
24/11/2025 20:00	14.66	369600.9	32.72	1.02	11.03	0.74
24/11/2025 21:00	14.63	364370	31.64	0.98	11.22	0.75
24/11/2025 22:00	14.61	364250.6	31.09	1.06	11.82	0.80
24/11/2025 23:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
25/11/2025 00:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
25/11/2025 01:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
25/11/2025 02:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
25/11/2025 03:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
25/11/2025 04:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
25/11/2025 05:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
25/11/2025 06:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
25/11/2025 07:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
25/11/2025 08:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
25/11/2025 09:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
25/11/2025 10:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
25/11/2025 11:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
25/11/2025 12:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
25/11/2025 13:00	14.66	368500.2	35.22	1.00	9.47	0.71
25/11/2025 14:00	14.70	370388.9	37.75	0.99	9.69	0.76
25/11/2025 15:00	14.69	369427.4	37.49	0.98	9.76	0.76
25/11/2025 16:00	14.69	370161.3	37.45	0.98	9.78	0.76
25/11/2025 17:00	14.68	368679.3	37.19	0.89	9.94	0.76

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
25/11/2025 18:00	14.66	365288.8	36.49	0.91	10.27	0.80
25/11/2025 19:00	14.65	367351	36.52	0.96	10.52	0.82
25/11/2025 20:00	14.65	367419.3	36.43	0.96	10.68	0.82
25/11/2025 21:00	14.64	363624.8	36.02	0.91	10.68	0.82
25/11/2025 22:00	14.62	363232.3	35.79	0.95	10.80	0.84
25/11/2025 23:00	14.64	362265.1	37.73	0.91	11.44	0.78
26/11/2025 00:00	14.64	376461.8	37.99	1.04	10.88	0.78
26/11/2025 01:00	14.63	375858.7	37.82	1.02	11.00	0.75
26/11/2025 02:00	14.63	375028.2	37.51	1.06	11.15	0.78
26/11/2025 03:00	14.63	375452	37.67	1.02	11.39	0.78
26/11/2025 04:00	14.62	375759.2	37.61	1.11	11.44	0.77
26/11/2025 05:00	14.62	375341	37.47	1.24	11.40	0.77
26/11/2025 06:00	14.62	375033.8	37.47	1.22	11.51	0.77
26/11/2025 07:00	14.64	376154.6	37.84	1.07	11.28	0.75
26/11/2025 08:00	14.66	377463	38.43	1.00	10.49	0.71
26/11/2025 09:00	14.69	378794.2	39.19	0.76	9.94	0.72
26/11/2025 10:00	14.69	379246.5	39.01	1.03	9.33	0.69
26/11/2025 11:00	14.70	380335.9	39.57	1.01	8.97	0.70
26/11/2025 12:00	14.70	299078.6	43.81	0.96	11.25	0.65
26/11/2025 13:00	14.66	364352.9	34.73	0.98	9.33	0.76
26/11/2025 14:00	14.71	365522	37.34	0.85	9.23	0.76
26/11/2025 15:00	14.71	365570.4	37.32	0.81	9.16	0.76
26/11/2025 16:00	14.71	365843.4	37.21	0.79	9.27	0.79
26/11/2025 17:00	14.68	362959.2	36.43	0.76	9.41	0.78
26/11/2025 18:00	14.65	359187.4	36.16	0.78	9.87	0.78
26/11/2025 19:00	14.65	362262.3	36.23	0.78	10.10	0.78
26/11/2025 20:00	14.63	362103	35.89	0.75	10.38	0.78
26/11/2025 21:00	14.62	360421.9	35.77	0.69	10.51	0.77
26/11/2025 22:00	14.61	359614.1	35.89	0.66	10.67	0.77
26/11/2025 23:00	14.64	362330.6	38.15	0.64	10.99	0.75
27/11/2025 00:00	14.64	376086.3	38.44	0.53	10.57	0.75
27/11/2025 01:00	14.62	375827.4	38.09	0.38	10.82	0.80
27/11/2025 02:00	14.62	376316.7	37.85	0.69	10.80	0.77
27/11/2025 03:00	14.63	377010.7	38.22	0.60	10.84	0.75
27/11/2025 04:00	14.63	377363.4	37.71	0.71	11.08	0.75
27/11/2025 05:00	14.61	376433.3	37.48	0.44	11.36	0.75
27/11/2025 06:00	14.61	375349.6	36.84	0.51	11.82	0.77
27/11/2025 07:00	14.63	376914	37.58	0.55	11.42	0.75
27/11/2025 08:00	14.67	379083.1	39.18	0.45	10.24	0.74
27/11/2025 09:00	14.68	378925	39.71	0.42	9.45	0.72
27/11/2025 10:00	14.69	379437	39.69	0.43	9.20	0.72
27/11/2025 11:00	14.70	380663	39.95	0.38	8.97	0.72
27/11/2025 12:00	14.70	300327.3	45.11	0.29	11.14	0.67
27/11/2025 13:00	14.68	363109.9	36.49	0.20	8.72	0.76
27/11/2025 14:00	14.71	362046.1	38.11	0.27	8.67	0.74
27/11/2025 15:00	14.72	361724.7	38.64	0.25	8.32	0.72
27/11/2025 16:00	14.71	362196.9	38.38	0.27	8.24	0.72
27/11/2025 17:00	14.68	358968.4	37.54	0.22	8.56	0.76
27/11/2025 18:00	14.66	356775.3	37.31	0.13	8.91	0.82
27/11/2025 19:00	14.66	360359.3	37.13	0.16	9.09	0.80
27/11/2025 20:00	14.65	360786	37.19	0.18	9.10	0.78
27/11/2025 21:00	14.63	358095.2	37.00	0.20	9.33	0.80
27/11/2025 22:00	14.63	358976.9	37.04	0.20	9.67	0.82
27/11/2025 23:00	14.65	362356.2	39.39	0.24	9.92	0.78
28/11/2025 00:00	14.66	376902.6	39.49	0.20	9.42	0.76
28/11/2025 01:00	14.65	377787.3	39.45	0.20	9.52	0.76
28/11/2025 02:00	14.65	378012	39.36	0.18	9.61	0.76
28/11/2025 03:00	14.64	377070.5	38.75	0.22	9.84	0.73
28/11/2025 04:00	14.64	376365	39.04	0.18	9.84	0.73
28/11/2025 05:00	14.64	377696.3	39.46	0.20	9.93	0.73
28/11/2025 06:00	14.63	377542.6	39.44	0.16	10.09	0.71
28/11/2025 07:00	14.63	376888.4	39.11	0.13	10.42	0.73
28/11/2025 08:00	14.66	378108.7	39.81	0.11	9.87	0.71
28/11/2025 09:00	14.68	379127	40.27	0.11	9.23	0.72
28/11/2025 10:00	14.71	380566.3	41.32	0.09	8.53	0.70
28/11/2025 11:00	14.73	382693.9	42.60	0.05	7.95	0.70

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/11/2025 00:00-30/11/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
28/11/2025 12:00	14.69	328173	43.15	0.04	9.67	0.74
28/11/2025 13:00	14.71	361440.3	37.91	0.04	7.86	0.74
28/11/2025 14:00	14.75	361628	39.53	0.02	8.02	0.77
28/11/2025 15:00	14.73	360547.1	39.40	0.02	7.82	0.74
28/11/2025 16:00	14.74	360239.9	39.24	0.02	7.74	0.77
28/11/2025 17:00	14.71	357295.9	38.78	0.02	7.79	0.81
28/11/2025 18:00	14.67	354900.9	37.28	0.02	10.11	0.83
28/11/2025 19:00	14.65	358049.7	36.23	0.09	9.87	0.82
28/11/2025 20:00	14.62	358021.2	35.66	0.04	9.38	0.86
28/11/2025 21:00	14.60	356667.3	34.88	0.09	9.97	0.88
28/11/2025 22:00	14.59	357099.6	34.43	0.07	10.49	0.90
28/11/2025 23:00	14.61	359872.9	36.93	0.04	10.03	0.86
29/11/2025 00:00	14.64	376419.1	38.13	0.07	9.24	0.84
29/11/2025 01:00	14.63	376128.9	37.40	0.07	9.60	0.84
29/11/2025 02:00	14.63	376871.3	37.27	0.07	11.04	0.82
29/11/2025 03:00	14.60	376709.2	35.96	0.11	10.94	0.82
29/11/2025 04:00	14.63	378105.8	37.53	0.11	9.91	0.80
29/11/2025 05:00	14.64	378487	38.19	0.11	10.08	0.78
29/11/2025 06:00	14.63	377588.2	37.44	0.13	11.24	0.80
29/11/2025 07:00	14.64	378455.7	37.26	0.09	11.21	0.82
29/11/2025 08:00	14.68	379704.4	38.35	0.07	9.63	0.78
29/11/2025 09:00	14.71	380256.3	39.30	0.02	8.89	0.76
29/11/2025 10:00	14.70	379858	39.37	0.02	8.59	0.76
29/11/2025 11:00	14.72	381507.8	39.16	0.04	8.52	0.76
29/11/2025 12:00	14.69	322063.2	39.53	0.02	10.48	0.78
29/11/2025 13:00	14.67	354280.8	34.14	0.09	9.64	0.80
29/11/2025 14:00	14.72	353666.4	36.17	0.04	9.36	0.81
29/11/2025 15:00	14.72	352571.3	36.55	0.04	9.18	0.79
29/11/2025 16:00	14.70	353086.1	36.05	0.04	9.30	0.78
29/11/2025 17:00	14.66	347027.4	35.55	0.04	9.33	0.82
29/11/2025 18:00	14.61	345201.3	33.59	0.07	9.46	0.86
29/11/2025 19:00	14.58	348913.3	32.51	0.07	10.84	0.95
29/11/2025 20:00	14.59	350204.7	32.91	0.11	11.41	1.08
29/11/2025 21:00	14.63	369088.9	35.03	0.09	11.48	0.98
29/11/2025 22:00	14.67	388769.7	38.17	0.11	11.42	0.89
29/11/2025 23:00	14.48	321410.4	30.70	0.15	12.67	1.02
30/11/2025 00:00	14.48	321592.4	29.86	0.17	12.69	1.00
30/11/2025 01:00	14.48	321842.7	29.75	0.19	12.06	1.00
30/11/2025 02:00	14.47	321933.8	29.33	0.24	12.26	0.97
30/11/2025 03:00	14.45	319362.4	28.49	0.34	12.61	1.06
30/11/2025 04:00	14.44	315465.5	27.63	0.34	12.93	1.20
30/11/2025 05:00	14.41	308246.3	27.52	0.34	13.60	1.20
30/11/2025 06:00	14.42	304986.6	27.18	0.19	13.19	1.12
30/11/2025 07:00	14.46	302759.3	28.56	0.26	13.77	1.08
30/11/2025 08:00	14.53	298944.9	33.91	0.22	13.05	0.96
30/11/2025 09:00	14.58	295662.5	37.43	0.13	12.56	0.88
30/11/2025 10:00	14.62	295247.2	37.27	0.15	11.86	0.84
30/11/2025 11:00	14.65	294157.8	38.03	0.11	11.28	0.80
30/11/2025 12:00	14.68	294038.3	37.01	0.13	11.49	0.83
30/11/2025 13:00	14.65	295315.4	33.25	0.11	12.08	0.85
30/11/2025 14:00	14.62	298154.2	28.80	0.13	10.96	0.80
30/11/2025 15:00	14.57	300947.4	27.78	0.13	10.83	0.86
30/11/2025 16:00	14.53	304503	28.35	0.11	10.69	0.92
30/11/2025 17:00	14.60	341654.3	31.73	0.11	10.52	0.90
30/11/2025 18:00	14.61	354238.1	33.32	0.18	10.74	0.95
30/11/2025 19:00	14.52	335333.9	30.28	0.20	10.52	1.07
30/11/2025 20:00	14.51	337339.3	29.56	0.26	10.75	1.07
30/11/2025 21:00	14.57	323168.2	33.64	0.26	12.32	1.03
30/11/2025 22:00	14.62	376251.3	33.02	0.31	11.27	1.33
30/11/2025 23:00	14.63	377127.3	34.58	0.33	11.33	1.22
Minimum	14.35	291,586.40	23.30	0.02	7.74	0.41
Maximum	14.76	394,737.30	45.11	2.23	22.81	1.39
Avg	14.56	356,691.10	30.73	1.23	11.78	0.71
SUM						
STD			STD = 60	STD = 6	STD = 28	STD = 690

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
01/12/2025 00:00	shut down	shut down	shut down	shut down	shut down	shut down
01/12/2025 01:00	shut down	shut down	shut down	shut down	shut down	shut down
01/12/2025 02:00	shut down	shut down	shut down	shut down	shut down	shut down
01/12/2025 03:00	shut down	shut down	shut down	shut down	shut down	shut down
01/12/2025 04:00	shut down	shut down	shut down	shut down	shut down	shut down
01/12/2025 05:00	shut down	shut down	shut down	shut down	shut down	shut down
01/12/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
01/12/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
01/12/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
01/12/2025 09:00	shut down	shut down	shut down	shut down	shut down	shut down
01/12/2025 10:00	shut down	shut down	shut down	shut down	shut down	shut down
01/12/2025 11:00	shut down	shut down	shut down	shut down	shut down	shut down
01/12/2025 12:00	shut down	shut down	shut down	shut down	shut down	shut down
01/12/2025 13:00	14.1	339509.5	25.69	3.34	8.43	3.99
01/12/2025 14:00	14.2	340246.2	27.53	0.58	8.40	1.07
01/12/2025 15:00	14.1	339116.9	29.62	0.00	8.11	1.02
01/12/2025 16:00	14.1	339256.4	29.78	0.00	7.92	1.04
01/12/2025 17:00	14.1	338849.6	27.90	0.00	8.16	0.92
01/12/2025 18:00	14.1	336093.4	26.50	0.00	7.73	0.89
01/12/2025 19:00	14.1	340044.4	26.42	0.00	8.38	0.89
01/12/2025 20:00	14.1	340667.2	25.53	0.00	9.88	0.85
01/12/2025 21:00	14.0	335899.8	25.13	0.00	7.93	0.95
01/12/2025 22:00	14.0	335114.9	18.43	1.75	8.29	0.62
01/12/2025 23:00	14.0	304412.9	25.60	0.00	8.29	0.82
02/12/2025 00:00	13.9	311707.9	24.65	0.02	8.48	0.82
02/12/2025 01:00	13.8	313280.9	8.63	0.02	8.63	0.20
02/12/2025 02:00	13.9	312979.3	21.67	0.34	14.47	0.73
02/12/2025 03:00	13.9	310752.2	24.73	0.00	17.76	0.87
02/12/2025 04:00	13.9	309315.8	25.52	0.00	8.99	0.91
02/12/2025 05:00	13.9	304372.1	17.51	2.82	8.95	0.51
02/12/2025 06:00	13.9	304144.5	19.59	1.88	14.32	0.61
02/12/2025 07:00	14.0	313974.9	24.26	0.00	9.88	0.90
02/12/2025 08:00	14.0	316008.8	26.45	0.00	9.89	0.87
02/12/2025 09:00	14.0	313050.5	26.65	0.00	8.06	0.77
02/12/2025 10:00	14.1	307509.5	27.29	0.00	7.52	0.71
02/12/2025 11:00	14.1	305276.7	30.07	0.00	7.70	0.70
02/12/2025 12:00	14.1	280564.0	32.41	0.00	7.59	0.62
02/12/2025 13:00	14.1	342305.6	27.41	0.00	8.03	0.67
02/12/2025 14:00	14.1	342720.9	28.29	0.00	8.10	0.69
02/12/2025 15:00	14.1	341864.7	28.19	0.00	7.72	0.67
02/12/2025 16:00	14.2	342055.3	30.43	0.00	7.78	0.66
02/12/2025 17:00	14.1	340818.0	20.18	2.81	7.90	0.31
02/12/2025 18:00	14.1	339597.7	21.28	1.02	9.14	0.43
02/12/2025 19:00	14.1	342288.5	26.19	0.00	9.50	0.71
02/12/2025 20:00	14.1	342928.5	25.74	0.00	9.75	1.02
02/12/2025 21:00	14.1	338457.1	24.71	0.00	10.06	1.12
02/12/2025 22:00	14.1	339373.0	24.67	0.00	11.89	1.24
02/12/2025 23:00	14.0	309971.0	23.48	0.00	11.39	0.99
03/12/2025 00:00	14.0	316153.8	22.93	0.00	8.71	0.95
03/12/2025 01:00	14.0	319242.9	21.57	0.00	8.96	0.98
03/12/2025 02:00	13.9	317129.5	16.51	2.13	9.10	0.76
03/12/2025 03:00	13.9	313690.5	17.57	0.93	11.82	0.79
03/12/2025 04:00	13.9	312547.1	22.25	0.00	11.71	1.05
03/12/2025 05:00	13.9	308601.8	23.76	0.00	10.52	0.99
03/12/2025 06:00	13.9	309583.2	20.13	0.10	11.73	0.82
03/12/2025 07:00	14.0	319023.8	18.83	0.20	11.81	0.88
03/12/2025 08:00	14.0	322863.8	20.53	0.00	8.75	0.83
03/12/2025 09:00	14.1	321487.1	21.77	0.00	8.17	0.75
03/12/2025 10:00	14.1	318966.9	22.04	0.00	7.65	0.65
03/12/2025 11:00	14.1	314649.1	19.08	0.59	7.15	0.43
03/12/2025 12:00	14.1	288480.3	26.12	0.00	7.26	0.55
03/12/2025 13:00	14.1	348913.3	18.24	2.37	7.68	0.27
03/12/2025 14:00	14.2	349209.1	26.36	0.06	7.40	0.41
03/12/2025 15:00	14.2	348705.6	29.64	0.00	6.96	0.56
03/12/2025 16:00	14.2	347701.5	29.47	0.00	7.42	0.60
03/12/2025 17:00	14.1	344097.6	24.65	0.39	7.88	0.47

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
03/12/2025 18:00	14.1	344666.5	21.67	0.04	7.44	0.41
03/12/2025 19:00	14.1	348310.2	23.60	0.06	10.17	0.57
03/12/2025 20:00	14.1	348111.1	23.37	0.02	8.65	0.57
03/12/2025 21:00	14.1	342592.9	22.99	0.04	8.25	0.68
03/12/2025 22:00	14.1	343213.0	24.35	0.00	8.36	0.62
03/12/2025 23:00	14.1	313848.0	23.01	0.00	8.03	0.55
04/12/2025 00:00	14.1	321435.9	23.62	0.00	7.99	0.65
04/12/2025 01:00	14.1	322104.4	19.95	0.16	7.93	0.43
04/12/2025 02:00	14.1	320955.2	22.16	0.22	7.95	0.53
04/12/2025 03:00	14.0	317840.5	22.80	0.02	7.86	0.51
04/12/2025 04:00	14.0	314757.2	25.13	0.00	7.98	0.59
04/12/2025 05:00	14.0	308761.1	22.04	0.54	8.14	0.36
04/12/2025 06:00	14.0	311762.0	21.75	0.42	8.21	0.34
04/12/2025 07:00	14.1	320505.8	23.23	0.04	7.97	0.47
04/12/2025 08:00	14.1	322531.0	22.39	0.00	7.18	0.43
04/12/2025 09:00	14.1	321589.5	23.19	0.00	6.83	0.45
04/12/2025 10:00	14.2	317977.1	21.35	0.00	6.61	0.33
04/12/2025 11:00	14.2	313889.6	25.57	0.00	6.58	0.43
04/12/2025 12:00	14.2	287835.9	30.87	0.00	6.53	0.48
04/12/2025 13:00	14.2	348250.5	31.45	0.00	6.77	0.52
04/12/2025 14:00	14.2	348594.7	31.03	0.00	6.67	0.52
04/12/2025 15:00	14.2	342552.4	24.87	0.04	6.54	0.33
04/12/2025 16:00	14.1	341028.4	23.13	0.00	6.31	0.39
04/12/2025 17:00	14.1	338522.5	15.96	3.32	6.64	0.31
04/12/2025 18:00	14.0	336608.2	17.97	1.09	6.76	0.28
04/12/2025 19:00	14.1	339111.3	23.33	0.00	7.00	0.51
04/12/2025 20:00	14.2	342928.5	25.10	0.00	7.26	0.58
04/12/2025 21:00	14.2	345923.7	27.82	0.00	7.32	0.56
04/12/2025 22:00	14.1	337344.9	24.06	0.00	7.38	0.56
04/12/2025 23:00	14.1	308864.5	25.83	0.00	7.51	0.51
05/12/2025 00:00	14.1	314896.6	22.20	0.02	7.67	0.47
05/12/2025 01:00	14.1	313377.6	22.95	0.10	7.62	0.49
05/12/2025 02:00	14.1	307259.3	20.70	0.41	7.53	0.34
05/12/2025 03:00	14.0	301635.7	18.19	1.81	7.55	0.26
05/12/2025 04:00	14.0	296421.9	24.90	0.02	7.90	0.64
05/12/2025 05:00	14.0	287203.1	28.97	0.00	7.66	0.78
05/12/2025 06:00	14.0	283951.8	29.61	0.00	7.72	0.80
05/12/2025 07:00	14.0	282498.4	26.49	0.34	7.92	0.64
05/12/2025 08:00	14.0	281858.3	29.91	0.00	7.40	0.79
05/12/2025 09:00	14.0	280549.9	28.87	0.00	8.64	0.67
05/12/2025 10:00	14.0	276277.5	26.24	0.75	13.01	0.55
05/12/2025 11:00	14.1	272787.4	26.68	0.61	13.57	0.45
05/12/2025 12:00	14.1	273387.6	30.64	0.00	9.35	0.61
05/12/2025 13:00	14.1	276172.3	28.17	0.00	9.07	0.53
05/12/2025 14:00	14.0	276351.5	27.25	0.00	9.00	0.47
05/12/2025 15:00	14.0	278830.4	28.12	0.00	8.34	0.53
05/12/2025 16:00	14.1	280128.4	25.40	0.30	7.80	0.43
05/12/2025 17:00	14.1	285112.3	18.57	1.42	9.36	0.19
05/12/2025 18:00	14.0	319368.0	21.86	0.00	9.64	0.57
05/12/2025 19:00	14.1	323415.7	20.99	0.00	9.69	0.72
05/12/2025 20:00	14.1	325930.1	20.96	0.00	9.49	0.70
05/12/2025 21:00	14.1	310076.2	22.10	0.00	9.46	0.64
05/12/2025 22:00	14.0	283798.2	27.36	0.00	9.52	0.63
05/12/2025 23:00	14.0	284333.0	27.24	0.00	9.68	0.65
06/12/2025 00:00	14.0	283516.7	25.39	0.30	9.86	0.56
06/12/2025 01:00	14.0	282484.1	22.81	0.90	10.13	0.44
06/12/2025 02:00	14.0	281997.8	21.94	1.76	10.46	0.42
06/12/2025 03:00	14.0	280325.1	28.71	0.00	10.52	0.68
06/12/2025 04:00	13.9	282680.4	15.24	0.00	10.47	0.26
06/12/2025 05:00	14.0	282299.3	26.90	0.04	10.53	0.54
06/12/2025 06:00	14.0	286090.9	20.74	4.85	10.57	0.44
06/12/2025 07:00	14.1	307569.2	17.46	1.97	9.75	0.30
06/12/2025 08:00	14.2	321171.5	22.33	0.00	8.89	0.56
06/12/2025 09:00	14.2	321746.0	22.99	0.00	8.60	0.62
06/12/2025 10:00	14.2	312578.3	24.06	0.00	8.34	0.64
06/12/2025 11:00	14.2	308732.7	24.56	0.00	7.87	0.62

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
06/12/2025 12:00	14.2	279116.3	28.92	0.00	7.66	0.56
06/12/2025 13:00	14.2	345827.1	25.42	0.00	8.29	0.52
06/12/2025 14:00	14.3	344251.3	25.98	0.00	7.84	0.52
06/12/2025 15:00	14.2	343400.7	12.88	5.23	7.51	0.12
06/12/2025 16:00	14.2	343890.0	22.81	0.10	7.62	0.33
06/12/2025 17:00	14.3	339045.8	21.97	0.59	7.29	0.36
06/12/2025 18:00	14.2	337367.7	23.05	0.00	7.54	0.48
06/12/2025 19:00	14.3	341506.3	26.04	0.00	7.70	0.67
06/12/2025 20:00	14.3	342763.6	26.24	0.00	7.84	0.78
06/12/2025 21:00	14.3	342345.4	26.85	0.00	7.97	0.84
06/12/2025 22:00	14.3	341793.6	25.36	0.00	8.06	0.78
06/12/2025 23:00	14.2	310734.7	24.93	0.00	8.04	0.79
07/12/2025 00:00	14.2	317177.8	23.15	0.00	7.87	0.87
07/12/2025 01:00	14.1	316552.1	20.60	0.02	7.73	0.68
07/12/2025 02:00	14.1	312928.2	20.94	0.14	7.94	0.80
07/12/2025 03:00	14.1	310820.5	14.39	4.73	8.34	0.57
07/12/2025 04:00	14.1	308192.2	18.33	1.20	8.74	0.55
07/12/2025 05:00	14.1	302557.3	21.39	1.08	9.02	0.57
07/12/2025 06:00	14.1	301652.8	17.98	2.34	8.86	0.45
07/12/2025 07:00	14.1	300520.7	23.61	0.33	8.59	0.59
07/12/2025 08:00	14.1	300662.9	26.75	0.00	8.06	0.74
07/12/2025 09:00	14.2	296845.8	27.68	0.00	7.28	0.72
07/12/2025 10:00	14.2	292470.9	28.67	0.00	6.98	0.68
07/12/2025 11:00	14.2	288932.5	30.34	0.00	7.03	0.68
07/12/2025 12:00	14.2	289097.4	29.79	0.00	6.95	0.62
07/12/2025 13:00	14.2	291936.2	28.11	0.00	7.01	0.58
07/12/2025 14:00	14.2	296026.5	24.35	0.37	7.03	0.41
07/12/2025 15:00	14.2	301658.5	27.88	0.00	6.98	0.66
07/12/2025 16:00	14.2	298688.9	23.61	0.08	6.91	0.45
07/12/2025 17:00	14.3	294988.0	20.23	2.33	7.36	0.29
07/12/2025 18:00	14.2	333431.0	6.57	2.29	7.37	0.04
07/12/2025 19:00	14.3	338701.7	14.44	2.76	7.42	0.25
07/12/2025 20:00	14.3	340098.3	19.28	0.80	7.38	0.29
07/12/2025 21:00	14.3	327299.4	22.76	0.23	7.42	0.40
07/12/2025 22:00	14.2	311508.8	23.01	0.04	7.35	0.73
07/12/2025 23:00	14.2	310590.1	18.13	1.72	7.31	0.50
08/12/2025 00:00	14.2	309600.2	20.35	0.00	7.44	0.75
08/12/2025 01:00	14.2	309615.0	17.59	0.89	7.49	0.45
08/12/2025 02:00	14.1	308101.2	17.27	1.38	7.79	0.49
08/12/2025 03:00	14.1	305285.2	21.95	0.12	8.03	0.70
08/12/2025 04:00	14.1	302807.7	20.51	0.60	8.34	0.51
08/12/2025 05:00	14.1	300054.2	21.82	0.82	8.06	0.43
08/12/2025 06:00	14.2	303422.1	23.09	0.60	7.99	0.39
08/12/2025 07:00	14.2	315513.8	19.81	0.71	7.93	0.33
08/12/2025 08:00	14.3	320756.1	20.68	0.13	7.68	0.36
08/12/2025 09:00	14.3	317183.5	23.37	0.02	7.45	0.42
08/12/2025 10:00	14.3	313084.7	21.19	0.71	7.39	0.29
08/12/2025 11:00	14.4	309435.2	25.91	0.24	7.40	0.30
08/12/2025 12:00	14.5	276416.5	36.05	0.00	7.25	0.39
08/12/2025 13:00	14.4	347098.5	30.98	0.00	7.37	0.43
08/12/2025 14:00	14.5	346865.3	33.57	0.00	7.35	0.50
08/12/2025 15:00	14.5	347405.7	32.20	0.00	7.35	0.45
08/12/2025 16:00	14.4	349109.5	32.92	0.00	7.36	0.45
08/12/2025 17:00	14.5	347602.0	31.23	0.00	7.39	0.45
08/12/2025 18:00	14.4	345630.8	30.92	0.00	7.38	0.52
08/12/2025 19:00	14.4	346831.1	28.42	0.13	7.39	0.45
08/12/2025 20:00	14.4	346714.5	28.49	0.00	7.44	0.51
08/12/2025 21:00	14.4	342607.1	22.53	2.18	7.49	0.43
08/12/2025 22:00	14.4	340835.0	21.65	0.81	7.58	0.32
08/12/2025 23:00	14.3	308460.9	26.94	0.00	7.65	0.55
09/12/2025 00:00	14.3	317038.4	24.72	0.27	7.70	0.44
09/12/2025 01:00	14.3	318585.8	23.23	0.19	7.62	0.38
09/12/2025 02:00	14.3	315818.1	24.63	0.04	7.64	0.40
09/12/2025 03:00	14.3	312356.5	23.26	0.59	7.69	0.38
09/12/2025 04:00	14.2	309822.1	21.29	1.38	7.68	0.25
09/12/2025 05:00	14.2	305933.7	21.65	1.50	7.69	0.23

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
09/12/2025 06:00	14.2	308075.5	18.62	3.17	7.68	0.21
09/12/2025 07:00	14.3	319382.3	23.74	0.02	7.67	0.51
09/12/2025 08:00	14.3	321800.0	23.27	0.04	7.67	0.51
09/12/2025 09:00	14.4	318290.0	24.86	0.00	7.49	0.53
09/12/2025 10:00	14.4	313428.8	21.03	1.21	7.39	0.28
09/12/2025 11:00	14.4	314905.1	19.78	1.99	7.45	0.30
09/12/2025 12:00	14.4	294824.8	25.85	0.28	7.24	0.34
09/12/2025 13:00	14.4	350688.2	29.93	0.00	7.40	0.47
09/12/2025 14:00	14.4	348532.1	30.32	0.00	7.34	0.49
09/12/2025 15:00	14.4	345787.3	29.32	0.00	7.29	0.45
09/12/2025 16:00	14.4	348224.9	29.97	0.00	7.29	0.47
09/12/2025 17:00	14.5	347570.7	26.08	0.91	7.37	0.43
09/12/2025 18:00	14.4	345019.2	25.38	0.06	7.41	0.45
09/12/2025 19:00	14.4	348933.1	26.83	0.00	7.39	0.52
09/12/2025 20:00	14.4	347545.0	27.13	0.02	7.53	0.52
09/12/2025 21:00	14.4	342550.3	23.06	0.19	7.56	0.45
09/12/2025 22:00	14.4	342846.1	21.20	1.70	7.68	0.43
09/12/2025 23:00	14.3	311035.1	24.01	0.04	7.73	0.53
10/12/2025 00:00	14.3	318133.5	25.35	0.00	8.04	0.61
10/12/2025 01:00	14.3	318341.2	22.91	1.07	8.09	0.51
10/12/2025 02:00	14.3	317177.9	19.42	1.01	8.13	0.27
10/12/2025 03:00	14.3	314198.8	23.15	0.32	8.18	0.40
10/12/2025 04:00	14.3	313701.9	22.27	0.82	8.29	0.34
10/12/2025 05:00	14.3	307188.1	23.10	0.57	8.46	0.34
10/12/2025 06:00	14.3	309844.8	19.04	2.75	8.69	0.23
10/12/2025 07:00	14.3	317678.4	24.18	0.15	8.62	0.47
10/12/2025 08:00	14.3	321424.6	13.39	4.24	7.99	0.13
10/12/2025 09:00	14.4	317974.2	20.96	0.45	7.67	0.28
10/12/2025 10:00	14.4	314501.1	26.05	0.00	7.58	0.41
10/12/2025 11:00	14.4	310297.1	27.12	0.00	7.52	0.45
10/12/2025 12:00	14.4	284694.2	27.33	0.06	7.48	0.24
10/12/2025 13:00	14.4	346475.6	25.97	0.00	7.56	0.28
10/12/2025 14:00	14.5	346563.8	27.07	0.04	7.55	0.28
10/12/2025 15:00	14.5	348671.5	30.94	0.00	7.51	0.43
10/12/2025 16:00	14.5	349257.4	29.44	0.00	7.48	0.39
10/12/2025 17:00	14.5	350483.4	28.32	0.02	7.45	0.39
10/12/2025 18:00	14.5	347653.1	26.98	0.00	7.52	0.35
10/12/2025 19:00	14.5	351140.4	29.06	0.00	7.66	0.48
10/12/2025 20:00	14.5	350429.4	23.39	1.19	7.61	0.26
10/12/2025 21:00	14.4	345127.4	21.71	0.84	7.62	0.28
10/12/2025 22:00	14.5	344902.6	26.40	0.00	7.73	0.50
10/12/2025 23:00	14.4	312778.6	22.66	0.11	8.59	0.43
11/12/2025 00:00	14.4	321140.1	21.58	0.09	8.37	0.45
11/12/2025 01:00	14.4	323057.3	19.45	0.30	8.35	0.34
11/12/2025 02:00	14.4	322624.9	20.42	0.23	8.31	0.34
11/12/2025 03:00	14.3	319060.8	18.53	0.61	8.72	0.17
11/12/2025 04:00	14.3	317925.8	19.90	0.32	9.57	0.21
11/12/2025 05:00	14.3	312069.1	21.43	0.23	10.90	0.25
11/12/2025 06:00	14.3	315374.5	23.24	0.00	12.06	0.30
11/12/2025 07:00	14.4	324678.6	20.49	0.21	11.79	0.21
11/12/2025 08:00	14.4	330074.5	15.01	1.64	11.79	0.09
11/12/2025 09:00	14.5	332756.6	14.96	1.67	11.43	0.15
11/12/2025 10:00	16.9	333598.8	0.00	2.66	19.36	0.00
11/12/2025 11:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
11/12/2025 12:00	14.8	292973.1	10.84	0.00	14.56	0.00
11/12/2025 13:00	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate	Calibrate
11/12/2025 14:00	14.8	349999.9	44.50	0.00	16.59	0.46
11/12/2025 15:00	14.8	348365.4	40.01	1.87	14.52	0.23
11/12/2025 16:00	14.8	348500.4	46.82	0.14	21.29	0.48
11/12/2025 17:00	14.9	344212.5	46.65	0.02	13.69	0.60
11/12/2025 18:00	14.8	340311.7	44.02	0.02	15.65	0.62
11/12/2025 19:00	14.8	343622.7	42.90	0.05	22.76	0.64
11/12/2025 20:00	14.8	345232.6	42.13	0.05	20.30	0.64
11/12/2025 21:00	14.8	343087.9	40.06	0.23	20.58	0.64
11/12/2025 22:00	14.8	341651.5	38.85	0.54	15.73	0.59
11/12/2025 23:00	14.7	312462.8	37.52	1.07	14.41	0.56

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
12/12/2025 00:00	14.6	319757.7	34.71	1.53	14.74	0.53
12/12/2025 01:00	14.6	321825.6	32.81	1.95	14.65	0.47
12/12/2025 02:00	14.6	319339.6	32.19	2.34	16.50	0.46
12/12/2025 03:00	14.6	316685.7	31.69	2.66	17.92	0.46
12/12/2025 04:00	14.6	317180.6	30.37	3.08	17.59	0.40
12/12/2025 05:00	14.6	311042.4	30.98	3.40	16.88	0.37
12/12/2025 06:00	14.6	312433.3	29.33	4.03	18.55	0.35
12/12/2025 07:00	14.6	322414.4	25.97	4.60	17.89	0.31
12/12/2025 08:00	14.6	326658.3	25.41	4.30	15.81	0.33
12/12/2025 09:00	14.7	330003.4	25.26	4.52	11.78	0.25
12/12/2025 10:00	14.7	326834.6	24.31	4.65	11.68	0.29
12/12/2025 11:00	14.6	315266.3	25.02	4.75	11.18	0.31
12/12/2025 12:00	14.7	294600.2	27.38	4.73	10.17	0.20
12/12/2025 13:00	14.7	351447.6	28.72	2.38	9.94	0.18
12/12/2025 14:00	14.7	351564.3	29.73	2.72	9.40	0.20
12/12/2025 15:00	14.7	351510.2	28.00	3.14	9.90	0.13
12/12/2025 16:00	14.7	349192.0	27.87	3.48	9.66	0.16
12/12/2025 17:00	14.7	342976.9	26.27	4.13	9.79	0.18
12/12/2025 18:00	14.7	340172.3	24.08	2.37	11.19	0.16
12/12/2025 19:00	14.7	341631.6	24.48	2.71	14.60	0.18
12/12/2025 20:00	14.7	343992.4	25.24	3.14	12.42	0.16
12/12/2025 21:00	14.7	343380.8	24.36	2.38	12.44	0.11
12/12/2025 22:00	14.7	342632.7	24.45	2.72	13.41	0.11
12/12/2025 23:00	14.7	314123.9	22.75	3.11	13.79	0.11
13/12/2025 00:00	14.6	321527.0	18.06	3.43	13.79	0.07
13/12/2025 01:00	14.6	322047.5	13.00	4.05	14.19	0.02
13/12/2025 02:00	14.6	320966.6	14.71	4.60	15.11	0.02
13/12/2025 03:00	14.6	318435.0	18.36	4.26	14.45	0.07
13/12/2025 04:00	14.6	318406.6	11.14	4.44	15.04	0.02
13/12/2025 05:00	14.5	312100.5	8.24	2.31	15.38	0.00
13/12/2025 06:00	14.5	313588.1	6.63	2.63	15.03	0.00
13/12/2025 07:00	14.6	323447.0	12.58	3.08	15.79	0.02
13/12/2025 08:00	14.6	322582.3	16.74	3.44	13.74	0.09
13/12/2025 09:00	14.7	320665.1	14.15	4.10	11.18	0.04
13/12/2025 10:00	14.7	316734.0	19.00	2.37	10.17	0.11
13/12/2025 11:00	14.7	315229.4	18.43	2.70	9.86	0.09
13/12/2025 12:00	14.7	289453.2	22.28	3.14	9.77	0.07
13/12/2025 13:00	14.7	351240.0	14.44	3.50	9.93	0.02
13/12/2025 14:00	14.7	352744.7	18.39	4.15	9.43	0.02
13/12/2025 15:00	14.7	352244.1	21.43	1.21	9.30	0.04
13/12/2025 16:00	14.6	347161.1	18.01	1.13	15.63	0.02
13/12/2025 17:00	14.6	340746.8	13.48	1.04	17.41	0.04
13/12/2025 18:00	14.6	338019.0	13.43	1.11	14.63	0.02
13/12/2025 19:00	14.7	340638.8	12.85	1.07	12.60	0.02
13/12/2025 20:00	14.7	342553.1	15.63	1.06	11.25	0.02
13/12/2025 21:00	14.7	342325.5	12.31	1.03	12.13	0.02
13/12/2025 22:00	14.7	340658.7	12.49	1.19	13.09	0.02
13/12/2025 23:00	14.6	311558.2	9.53	1.13	13.37	0.00
14/12/2025 00:00	14.6	317163.6	12.59	1.20	13.97	0.02
14/12/2025 01:00	14.6	318167.6	13.97	0.33	14.74	0.04
14/12/2025 02:00	14.6	316643.0	7.91	0.33	14.86	0.02
14/12/2025 03:00	14.6	314797.0	17.05	0.33	15.79	0.07
14/12/2025 04:00	14.6	311577.1	10.19	0.33	16.07	0.02
14/12/2025 05:00	14.5	303786.2	7.61	0.33	15.01	0.00
14/12/2025 06:00	14.6	299499.6	19.21	1.21	13.92	0.04
14/12/2025 07:00	14.6	292601.8	19.12	1.19	12.26	0.04
14/12/2025 08:00	14.6	291640.4	12.64	1.13	10.50	0.00
14/12/2025 09:00	14.7	285118.1	26.49	1.05	9.91	0.09
14/12/2025 10:00	14.7	281881.1	29.37	1.12	9.16	0.09
14/12/2025 11:00	14.7	283602.0	17.84	1.07	8.67	0.02
14/12/2025 12:00	14.7	280882.7	21.18	1.05	8.55	0.02
14/12/2025 13:00	14.7	283630.4	26.37	1.02	8.35	0.11
14/12/2025 14:00	14.7	283900.7	27.49	1.18	8.63	0.13
14/12/2025 15:00	14.7	293031.4	24.20	1.14	8.63	0.11
14/12/2025 16:00	14.7	295545.8	21.14	1.21	8.74	0.04
14/12/2025 17:00	14.8	293099.8	24.14	0.34	9.11	0.05

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
14/12/2025 18:00	14.8	325261.7	9.08	1.25	9.24	0.02
14/12/2025 19:00	14.8	330714.6	14.97	1.23	9.35	0.05
14/12/2025 20:00	14.8	330910.8	18.15	1.16	9.43	0.09
14/12/2025 21:00	14.8	318278.2	14.88	1.07	9.67	0.05
14/12/2025 22:00	14.7	305933.7	17.45	1.12	10.73	0.07
14/12/2025 23:00	14.7	305700.4	17.87	1.08	11.79	0.13
15/12/2025 00:00	14.7	304121.7	13.59	1.05	11.48	0.04
15/12/2025 01:00	14.7	304441.2	15.58	1.03	10.22	0.04
15/12/2025 02:00	14.7	302625.6	20.50	1.19	9.98	0.09
15/12/2025 03:00	14.7	299781.2	19.77	1.15	9.85	0.09
15/12/2025 04:00	14.7	299232.2	20.46	3.49	10.07	0.09
15/12/2025 05:00	14.7	295079.3	22.57	4.15	10.25	0.14
15/12/2025 06:00	14.7	297465.8	18.54	1.22	10.23	0.07
15/12/2025 07:00	14.8	316321.6	8.09	1.15	10.01	0.05
15/12/2025 08:00	14.8	324251.9	12.80	1.08	9.46	0.05
15/12/2025 09:00	14.9	318503.4	18.94	1.09	9.00	0.12
15/12/2025 10:00	calibrate	calibrate	calibrate	calibrate	calibrate	calibrate
15/12/2025 11:00	14.5	312470.3	37.41	1.26	7.60	0.04
15/12/2025 12:00	14.6	281252.9	42.05	0.64	7.61	0.00
15/12/2025 13:00	14.7	347272.1	38.76	0.29	7.87	0.00
15/12/2025 14:00	14.7	349522.0	40.53	0.34	7.98	0.25
15/12/2025 15:00	14.7	351698.0	41.54	1.24	8.22	1.01
15/12/2025 16:00	14.7	354454.3	41.66	1.21	8.34	0.99
15/12/2025 17:00	14.7	352246.9	40.64	1.15	8.95	1.03
15/12/2025 18:00	14.7	349152.2	38.79	1.05	9.97	1.10
15/12/2025 19:00	14.7	351709.3	38.58	1.12	8.26	1.14
15/12/2025 20:00	14.7	350546.0	38.20	1.07	7.85	1.16
15/12/2025 21:00	14.7	346714.5	37.75	1.05	7.83	1.14
15/12/2025 22:00	14.7	345610.9	37.33	1.02	7.89	1.16
15/12/2025 23:00	14.6	316995.7	34.15	1.16	7.97	1.21
16/12/2025 00:00	14.6	322718.7	32.31	1.12	7.84	1.25
16/12/2025 01:00	14.5	322138.5	31.89	1.18	7.82	1.29
16/12/2025 02:00	14.5	321575.3	32.10	1.40	8.12	1.20
16/12/2025 03:00	14.5	319513.1	32.01	1.78	8.45	1.17
16/12/2025 04:00	14.5	317900.3	32.03	2.23	8.54	1.13
16/12/2025 05:00	14.5	311776.2	32.64	2.68	8.78	1.10
16/12/2025 06:00	14.5	313886.8	32.41	3.03	8.60	1.02
16/12/2025 07:00	14.5	322181.2	30.89	3.27	8.39	1.00
16/12/2025 08:00	14.6	324490.8	30.56	3.24	7.76	0.99
16/12/2025 09:00	14.6	322002.0	30.57	3.26	7.32	0.92
16/12/2025 10:00	calibrate	calibrate	calibrate	calibrate	calibrate	calibrate
16/12/2025 11:00	14.7	314958.8	32.47	2.99	0.85	0.81
16/12/2025 12:00	14.7	281087.6	39.21	1.14	0.04	0.72
16/12/2025 13:00	14.8	350162.0	38.80	0.96	0.98	0.66
16/12/2025 14:00	calibrate	calibrate	calibrate	calibrate	calibrate	calibrate
16/12/2025 15:00	14.7	353404.4	42.37	0.27	1.14	10.68
16/12/2025 16:00	14.8	355094.2	42.80	0.00	0.05	0.92
16/12/2025 17:00	14.8	352906.9	41.52	0.32	0.02	0.94
16/12/2025 18:00	14.8	349738.2	39.12	0.21	0.02	0.98
16/12/2025 19:00	14.8	351646.8	38.13	0.32	0.05	1.02
16/12/2025 20:00	14.8	350318.4	36.53	0.25	0.02	1.07
16/12/2025 21:00	14.8	346319.2	34.87	0.25	0.23	1.15
16/12/2025 22:00	14.8	347283.3	36.00	0.16	0.18	1.29
16/12/2025 23:00	14.7	317107.7	33.19	0.09	0.04	1.23
17/12/2025 00:00	14.7	324963.0	30.82	0.04	0.04	1.27
17/12/2025 01:00	14.6	324104.0	30.26	0.13	0.09	1.26
17/12/2025 02:00	14.6	324217.8	29.86	0.29	0.11	1.22
17/12/2025 03:00	14.6	321563.9	30.58	0.55	0.02	1.19
17/12/2025 04:00	14.6	319106.4	30.93	0.93	0.00	1.10
17/12/2025 05:00	14.6	313437.3	31.91	1.45	0.02	1.05
17/12/2025 06:00	14.6	315633.3	31.88	1.74	0.02	0.97
17/12/2025 07:00	14.6	323142.6	30.29	1.98	0.02	0.93
17/12/2025 08:00	14.7	325463.6	30.49	0.83	0.00	1.03
17/12/2025 09:00	14.7	323683.0	30.73	0.52	0.00	1.04
17/12/2025 10:00	14.8	320318.1	31.89	0.20	0.00	1.02
17/12/2025 11:00	14.8	317604.4	32.03	0.25	0.00	0.99

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
17/12/2025 12:00	14.8	285000.1	38.46	0.11	0.00	0.97
17/12/2025 13:00	14.8	352079.2	39.66	0.07	0.05	0.96
17/12/2025 14:00	14.9	353797.2	41.10	0.05	0.02	0.96
17/12/2025 15:00	14.8	354454.2	40.85	0.02	0.00	0.94
17/12/2025 16:00	14.8	356556.3	41.20	0.02	0.02	0.92
17/12/2025 17:00	14.8	354036.2	39.60	0.05	0.02	0.93
17/12/2025 18:00	14.8	350392.5	37.61	0.07	0.00	0.95
17/12/2025 19:00	14.8	352847.1	37.73	0.21	0.02	0.98
17/12/2025 20:00	14.8	352528.6	38.58	0.48	0.00	0.94
17/12/2025 21:00	14.8	348714.1	36.54	0.80	0.00	0.98
17/12/2025 22:00	14.8	347664.6	35.72	1.25	0.00	0.98
17/12/2025 23:00	14.7	318315.5	31.59	1.55	0.00	1.03
18/12/2025 00:00	14.7	326544.5	29.73	1.77	0.00	0.94
18/12/2025 01:00	14.7	326558.8	29.70	1.97	0.00	0.87
18/12/2025 02:00	14.7	325079.7	29.09	2.10	0.00	0.83
18/12/2025 03:00	14.7	323520.9	28.91	2.27	0.00	0.82
18/12/2025 04:00	14.7	322880.8	29.25	2.63	0.00	0.78
18/12/2025 05:00	14.7	316461.0	31.63	2.94	0.00	0.74
18/12/2025 06:00	14.7	316702.8	31.88	2.90	0.00	0.71
18/12/2025 07:00	14.7	326621.4	29.46	3.48	0.00	0.67
18/12/2025 08:00	14.7	331747.0	31.93	1.22	0.00	0.88
18/12/2025 09:00	14.8	327150.4	33.26	0.30	0.00	0.98
18/12/2025 10:00	14.8	319695.1	33.02	0.07	0.00	0.98
18/12/2025 11:00	14.8	321268.1	32.89	0.02	0.00	0.98
18/12/2025 12:00	14.8	281728.9	39.34	0.05	0.00	0.95
18/12/2025 13:00	14.8	349502.0	37.23	0.16	0.00	0.96
18/12/2025 14:00	14.8	351704.9	39.22	0.34	0.00	0.92
18/12/2025 15:00	14.8	352567.8	39.48	0.69	0.00	0.89
18/12/2025 16:00	14.8	353930.9	39.41	1.08	0.00	0.83
18/12/2025 17:00	14.8	351507.4	37.61	1.37	0.00	0.82
18/12/2025 18:00	14.8	348165.2	35.91	1.48	0.00	0.87
18/12/2025 19:00	14.8	349954.3	35.77	1.73	0.00	0.89
18/12/2025 20:00	14.8	349587.4	35.63	1.78	0.00	0.91
18/12/2025 21:00	14.8	346171.2	34.36	1.98	0.00	0.91
18/12/2025 22:00	14.8	346185.4	34.44	1.98	0.00	0.91
18/12/2025 23:00	14.7	316223.4	31.26	2.60	0.00	0.92
19/12/2025 00:00	14.7	323532.3	28.36	3.22	0.00	0.90
19/12/2025 01:00	14.7	324556.3	27.71	3.49	0.00	0.85
19/12/2025 02:00	14.7	323600.6	28.20	3.48	0.00	0.80
19/12/2025 03:00	14.7	320537.2	28.87	3.83	0.00	0.78
19/12/2025 04:00	14.7	320209.9	29.05	4.19	0.00	0.71
19/12/2025 05:00	14.6	314321.9	30.44	4.44	0.00	0.69
19/12/2025 06:00	14.7	314125.7	30.69	4.69	0.00	0.69
19/12/2025 07:00	14.7	322915.1	28.54	4.65	0.00	0.69
19/12/2025 08:00	14.8	325645.8	30.94	1.49	0.00	0.97
19/12/2025 09:00	14.8	323498.2	33.36	1.03	1.31	0.96
19/12/2025 10:00	14.8	318327.0	33.59	1.49	1.17	0.89
19/12/2025 11:00	14.8	315601.9	33.51	1.39	1.14	0.91
19/12/2025 12:00	14.8	290696.2	37.10	1.39	0.91	0.80
19/12/2025 13:00	14.8	349362.7	36.48	1.47	2.24	0.82
19/12/2025 14:00	14.9	352497.3	38.68	1.57	2.12	0.85
19/12/2025 15:00	14.9	352340.8	38.90	1.68	2.14	0.87
19/12/2025 16:00	14.8	352966.6	38.29	1.88	1.76	0.80
19/12/2025 17:00	14.8	348239.1	36.24	1.89	1.42	0.82
19/12/2025 18:00	14.8	342917.2	32.92	2.32	1.23	0.84
19/12/2025 19:00	14.8	345798.6	31.44	2.92	1.58	0.84
19/12/2025 20:00	14.8	346788.5	31.04	3.28	1.43	0.93
19/12/2025 21:00	14.8	343221.5	30.01	3.46	1.70	0.93
19/12/2025 22:00	14.8	343352.4	29.72	3.98	2.67	0.88
19/12/2025 23:00	14.7	312633.7	27.38	4.40	1.38	0.94
20/12/2025 00:00	14.7	320010.9	25.66	4.28	1.87	0.96
20/12/2025 01:00	14.7	321933.7	25.29	4.34	2.14	1.00
20/12/2025 02:00	14.6	320557.0	25.71	2.86	2.09	0.95
20/12/2025 03:00	14.6	318588.7	25.94	3.21	1.97	0.89
20/12/2025 04:00	14.6	316830.8	26.34	3.39	1.86	0.91
20/12/2025 05:00	14.6	310789.1	28.31	3.89	1.79	0.86

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
20/12/2025 06:00	14.6	310419.4	28.42	4.35	1.79	0.86
20/12/2025 07:00	14.7	318051.1	26.73	4.27	1.78	0.82
20/12/2025 08:00	14.7	321673.9	29.31	2.30	1.71	1.15
20/12/2025 09:00	14.8	315897.7	32.00	0.84	1.36	1.27
20/12/2025 10:00	14.8	313829.9	32.09	1.13	1.20	1.11
20/12/2025 11:00	14.8	309307.2	32.78	1.29	1.09	1.04
20/12/2025 12:00	14.8	284758.3	37.32	1.26	0.71	0.96
20/12/2025 13:00	14.9	348523.5	37.38	1.49	2.07	0.94
20/12/2025 14:00	14.9	350321.3	40.63	1.46	2.09	0.90
20/12/2025 15:00	14.9	351083.6	41.17	1.58	1.92	0.88
20/12/2025 16:00	14.9	353256.7	41.56	1.85	1.92	0.86
20/12/2025 17:00	14.9	348739.7	40.11	1.87	1.64	0.88
20/12/2025 18:00	14.8	343446.2	36.61	1.86	1.56	0.94
20/12/2025 19:00	14.8	345426.0	36.17	2.45	1.67	0.94
20/12/2025 20:00	14.8	345201.3	34.98	2.65	1.67	0.94
20/12/2025 21:00	14.8	341779.4	32.21	3.21	1.91	0.93
20/12/2025 22:00	14.8	340937.4	30.84	3.67	2.27	0.93
20/12/2025 23:00	14.7	309634.2	30.06	3.54	1.55	1.01
21/12/2025 00:00	14.7	316668.6	29.78	4.00	1.69	0.97
21/12/2025 01:00	14.7	316961.6	30.93	4.25	1.69	0.88
21/12/2025 02:00	14.7	316233.5	31.19	4.29	1.66	0.83
21/12/2025 03:00	14.7	313798.6	31.41	4.42	1.66	0.83
21/12/2025 04:00	14.7	310712.3	31.99	4.70	1.63	0.83
21/12/2025 05:00	14.7	304081.9	33.83	4.72	1.43	0.83
21/12/2025 06:00	14.7	303279.9	34.07	5.24	1.39	0.76
21/12/2025 07:00	14.7	305427.4	33.61	5.29	1.39	0.72
21/12/2025 08:00	14.8	304139.8	36.14	2.28	1.29	0.95
21/12/2025 09:00	14.8	300509.4	36.92	1.54	1.04	0.95
21/12/2025 10:00	14.8	298259.4	37.01	1.43	0.98	0.91
21/12/2025 11:00	14.8	296140.3	37.10	1.32	0.98	0.88
21/12/2025 12:00	14.8	295488.9	37.75	1.16	1.04	0.93
21/12/2025 13:00	14.8	297155.7	38.16	1.23	1.20	0.93
21/12/2025 14:00	14.8	298267.9	38.04	1.48	0.98	0.93
21/12/2025 15:00	14.8	301783.6	36.66	1.52	1.00	0.91
21/12/2025 16:00	14.8	300419.7	36.82	1.61	1.04	0.93
21/12/2025 17:00	14.9	295402.0	39.08	1.86	0.79	0.77
21/12/2025 18:00	14.9	332910.5	32.96	2.05	1.52	0.85
21/12/2025 19:00	14.9	340567.7	33.87	2.22	1.45	0.90
21/12/2025 20:00	14.9	342814.7	33.02	2.95	2.07	0.92
21/12/2025 21:00	14.8	329252.3	33.76	3.21	1.65	0.92
21/12/2025 22:00	14.8	319245.8	28.66	3.61	1.52	0.95
21/12/2025 23:00	14.7	317766.6	28.59	3.85	1.51	0.95
22/12/2025 00:00	14.7	315712.9	28.47	4.05	2.02	0.99
22/12/2025 01:00	14.7	315946.2	28.50	4.26	2.40	0.96
22/12/2025 02:00	14.7	314609.3	28.34	2.87	1.86	0.90
22/12/2025 03:00	14.7	311170.3	28.63	3.12	2.90	0.80
22/12/2025 04:00	14.7	308715.6	29.40	3.54	2.34	0.82
22/12/2025 05:00	14.7	305720.3	29.56	3.80	2.34	0.78
22/12/2025 06:00	14.7	306642.0	29.78	4.01	2.25	0.76
22/12/2025 07:00	14.7	319763.4	26.72	4.04	2.36	0.70
22/12/2025 08:00	14.8	325171.6	28.25	2.32	2.18	0.91
22/12/2025 09:00	14.8	322030.4	29.10	1.62	1.73	0.91
22/12/2025 10:00	14.8	324835.1	29.88	1.44	1.67	0.87
22/12/2025 11:00	14.8	318713.8	30.08	1.19	1.60	0.87
22/12/2025 12:00	14.8	287824.5	34.99	1.17	1.01	0.85
22/12/2025 13:00	14.9	351035.2	35.95	1.50	2.36	0.83
22/12/2025 14:00	14.9	352491.6	37.00	1.53	2.47	0.83
22/12/2025 15:00	14.9	351925.5	36.63	1.67	2.36	0.81
22/12/2025 16:00	14.9	355031.6	37.47	1.75	2.45	0.83
22/12/2025 17:00	14.9	353822.7	36.47	1.90	2.17	0.83
22/12/2025 18:00	14.9	349524.8	33.96	2.27	1.86	0.83
22/12/2025 19:00	14.9	352082.0	33.48	1.96	1.98	0.81
22/12/2025 20:00	14.8	351550.0	32.57	0.83	1.88	0.83
22/12/2025 21:00	14.8	345366.3	29.03	0.50	1.98	0.93
22/12/2025 22:00	14.8	346680.3	30.19	0.52	2.44	0.98
22/12/2025 23:00	14.7	315827.7	26.90	0.63	1.76	0.97

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
23/12/2025 00:00	14.7	323572.1	24.63	1.06	1.87	0.85
23/12/2025 01:00	14.7	324135.3	24.39	1.26	1.98	0.92
23/12/2025 02:00	14.7	323094.3	24.03	1.41	2.87	0.87
23/12/2025 03:00	14.7	319900.0	24.34	1.65	3.64	0.83
23/12/2025 04:00	14.7	318682.5	24.16	1.81	2.23	0.83
23/12/2025 05:00	14.7	313599.5	24.33	1.91	2.25	0.82
23/12/2025 06:00	14.7	314435.8	24.95	2.16	2.07	0.87
23/12/2025 07:00	14.7	320858.5	24.21	2.18	2.25	0.85
23/12/2025 08:00	14.8	325314.3	27.19	1.93	1.98	1.14
23/12/2025 09:00	14.8	323879.3	28.44	0.82	1.64	1.16
23/12/2025 10:00	14.8	317960.0	28.96	0.50	1.39	1.14
23/12/2025 11:00	14.8	315715.8	29.96	0.52	1.18	1.07
23/12/2025 12:00	14.8	280902.6	36.05	0.64	0.62	1.03
23/12/2025 13:00	14.9	352608.2	36.83	1.09	2.34	0.93
23/12/2025 14:00	14.9	354041.8	36.90	1.30	2.07	0.91
23/12/2025 15:00	14.9	353595.2	36.34	1.46	1.74	0.88
23/12/2025 16:00	14.9	354733.0	36.60	1.71	1.90	0.86
23/12/2025 17:00	14.9	352909.7	35.72	1.88	1.99	0.88
23/12/2025 18:00	14.9	349118.0	33.91	1.98	2.28	0.95
23/12/2025 19:00	14.9	352969.4	34.24	2.24	2.54	0.99
23/12/2025 20:00	14.9	351478.9	33.01	2.74	2.56	0.97
23/12/2025 21:00	14.9	346373.2	31.06	1.95	2.25	0.94
23/12/2025 22:00	14.8	346395.9	31.03	0.83	2.06	0.92
23/12/2025 23:00	14.8	317712.2	27.60	0.50	1.59	0.95
24/12/2025 00:00	14.8	324829.3	25.25	0.52	1.94	0.90
24/12/2025 01:00	14.7	325182.0	24.71	0.63	2.03	0.86
24/12/2025 02:00	14.7	322889.5	24.58	1.06	1.98	0.90
24/12/2025 03:00	14.7	319973.9	24.30	1.26	1.84	0.87
24/12/2025 04:00	14.7	318173.4	25.15	1.41	1.64	0.87
24/12/2025 05:00	14.7	312646.6	26.46	1.65	1.70	0.87
24/12/2025 06:00	14.7	311864.3	26.17	1.81	1.63	0.94
24/12/2025 07:00	14.7	320474.5	24.39	1.93	1.80	0.92
24/12/2025 08:00	14.8	324477.7	27.19	2.20	1.73	1.25
24/12/2025 09:00	14.8	322502.5	29.17	0.46	1.37	1.19
24/12/2025 10:00	14.8	317123.7	29.79	0.21	0.85	1.14
24/12/2025 11:00	14.8	315744.2	29.86	0.23	0.57	1.12
24/12/2025 12:00	14.8	280599.6	35.25	0.62	0.21	1.06
24/12/2025 13:00	14.9	351368.0	35.53	0.93	1.65	1.02
24/12/2025 14:00	14.9	351843.1	36.65	1.12	1.79	0.98
24/12/2025 15:00	14.9	352013.7	36.39	1.42	1.58	0.91
24/12/2025 16:00	14.9	354610.6	36.80	1.67	1.65	0.91
24/12/2025 17:00	14.9	351976.7	35.99	1.67	1.53	0.93
24/12/2025 18:00	14.9	347792.6	33.48	1.82	1.75	0.95
24/12/2025 19:00	14.9	351470.5	32.76	2.21	2.05	0.97
24/12/2025 20:00	14.9	350585.8	32.39	2.42	1.89	1.06
24/12/2025 21:00	14.9	344222.8	30.74	2.73	1.70	1.08
24/12/2025 22:00	14.8	344970.9	30.28	3.21	2.13	1.06
24/12/2025 23:00	shut down	shut down	shut down	shut down	shut down	shut down
25/12/2025 00:00	shut down	shut down	shut down	shut down	shut down	shut down
25/12/2025 01:00	shut down	shut down	shut down	shut down	shut down	shut down
25/12/2025 02:00	shut down	shut down	shut down	shut down	shut down	shut down
25/12/2025 03:00	shut down	shut down	shut down	shut down	shut down	shut down
25/12/2025 04:00	shut down	shut down	shut down	shut down	shut down	shut down
25/12/2025 05:00	shut down	shut down	shut down	shut down	shut down	shut down
25/12/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
25/12/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
25/12/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
25/12/2025 09:00	shut down	shut down	shut down	shut down	shut down	shut down
25/12/2025 10:00	shut down	shut down	shut down	shut down	shut down	shut down
25/12/2025 11:00	shut down	shut down	shut down	shut down	shut down	shut down
25/12/2025 12:00	shut down	shut down	shut down	shut down	shut down	shut down
25/12/2025 13:00	14.7	350651.3	40.42	0.18	2.10	4.48
25/12/2025 14:00	14.7	350324.1	43.01	0.02	2.10	3.41
25/12/2025 15:00	14.7	349362.7	43.03	0.00	2.00	2.72
25/12/2025 16:00	14.7	350836.1	43.36	0.00	2.07	2.29
25/12/2025 17:00	14.7	347402.9	40.90	0.00	2.05	1.96

Site Name: GULF_BL
Stack Name: HRSO_STACK1
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
25/12/2025 18:00	14.6	342610.0	38.19	0.00	1.78	1.75
25/12/2025 19:00	14.6	345357.6	38.00	0.00	2.08	1.60
25/12/2025 20:00	14.6	345104.5	37.33	0.00	2.13	1.51
25/12/2025 21:00	14.6	341429.5	36.80	0.00	2.04	1.42
25/12/2025 22:00	14.6	341156.4	36.39	0.02	2.12	1.39
25/12/2025 23:00	shut down	shut down	shut down	shut down	shut down	shut down
26/12/2025 00:00	shut down	shut down	shut down	shut down	shut down	shut down
26/12/2025 01:00	shut down	shut down	shut down	shut down	shut down	shut down
26/12/2025 02:00	shut down	shut down	shut down	shut down	shut down	shut down
26/12/2025 03:00	shut down	shut down	shut down	shut down	shut down	shut down
26/12/2025 04:00	shut down	shut down	shut down	shut down	shut down	shut down
26/12/2025 05:00	shut down	shut down	shut down	shut down	shut down	shut down
26/12/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
26/12/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
26/12/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
26/12/2025 09:00	shut down	shut down	shut down	shut down	shut down	shut down
26/12/2025 10:00	shut down	shut down	shut down	shut down	shut down	shut down
26/12/2025 11:00	shut down	shut down	shut down	shut down	shut down	shut down
26/12/2025 12:00	shut down	shut down	shut down	shut down	shut down	shut down
26/12/2025 13:00	14.6	340087.0	34.21	0.00	1.70	3.14
26/12/2025 14:00	14.6	336719.2	35.25	0.00	1.37	2.50
26/12/2025 15:00	14.6	336636.6	35.56	0.00	1.30	2.10
26/12/2025 16:00	14.6	335999.5	35.79	0.02	1.32	1.85
26/12/2025 17:00	14.6	328931.0	34.10	0.00	1.23	1.69
26/12/2025 18:00	14.5	325233.3	32.29	0.00	1.07	1.59
26/12/2025 19:00	14.5	326917.2	32.04	0.00	1.28	1.54
26/12/2025 20:00	14.5	326029.7	31.82	0.00	1.35	1.59
26/12/2025 21:00	14.5	323535.1	31.25	0.00	1.30	1.52
26/12/2025 22:00	14.5	322545.3	32.09	0.00	1.65	1.43
26/12/2025 23:00	shut down	shut down	shut down	shut down	shut down	shut down
27/12/2025 00:00	shut down	shut down	shut down	shut down	shut down	shut down
27/12/2025 01:00	shut down	shut down	shut down	shut down	shut down	shut down
27/12/2025 02:00	shut down	shut down	shut down	shut down	shut down	shut down
27/12/2025 03:00	shut down	shut down	shut down	shut down	shut down	shut down
27/12/2025 04:00	shut down	shut down	shut down	shut down	shut down	shut down
27/12/2025 05:00	shut down	shut down	shut down	shut down	shut down	shut down
27/12/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
27/12/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
27/12/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
27/12/2025 09:00	shut down	shut down	shut down	shut down	shut down	shut down
27/12/2025 10:00	shut down	shut down	shut down	shut down	shut down	shut down
27/12/2025 11:00	shut down	shut down	shut down	shut down	shut down	shut down
27/12/2025 12:00	shut down	shut down	shut down	shut down	shut down	shut down
27/12/2025 13:00	shut down	shut down	shut down	shut down	shut down	shut down
27/12/2025 14:00	shut down	shut down	shut down	shut down	shut down	shut down
27/12/2025 15:00	shut down	shut down	shut down	shut down	shut down	shut down
27/12/2025 16:00	shut down	shut down	shut down	shut down	shut down	shut down
27/12/2025 17:00	14.7	274689.8	41.41	0.00	0.74	5.01
27/12/2025 18:00	14.5	307464.0	34.44	0.00	1.18	3.99
27/12/2025 19:00	14.5	308195.0	35.15	0.00	1.16	3.27
27/12/2025 20:00	14.5	307557.9	35.95	0.00	1.05	2.62
27/12/2025 21:00	14.8	289817.8	39.18	0.23	1.11	18.12
27/12/2025 22:00	shut down	shut down	shut down	shut down	shut down	shut down
27/12/2025 23:00	shut down	shut down	shut down	shut down	shut down	shut down
28/12/2025 00:00	shut down	shut down	shut down	shut down	shut down	shut down
28/12/2025 01:00	shut down	shut down	shut down	shut down	shut down	shut down
28/12/2025 02:00	shut down	shut down	shut down	shut down	shut down	shut down
28/12/2025 03:00	shut down	shut down	shut down	shut down	shut down	shut down
28/12/2025 04:00	shut down	shut down	shut down	shut down	shut down	shut down
28/12/2025 05:00	shut down	shut down	shut down	shut down	shut down	shut down
28/12/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
28/12/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
28/12/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
28/12/2025 09:00	shut down	shut down	shut down	shut down	shut down	shut down
28/12/2025 10:00	shut down	shut down	shut down	shut down	shut down	shut down
28/12/2025 11:00	shut down	shut down	shut down	shut down	shut down	shut down

Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/12/2025 00:00-31/12/2025 23:59

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Site Name: GULF_BL
Stack Name: HRSG_STACK1
Periodically: 01/12/2025 00:00-31/12/2025 23:59

	Actual Operation Condition		Emission Concentration for Standardization Comparison			
Date & Time	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust(7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
31/12/2025 06:00	shut down	shut down	shut down	shut down	shut down	shut down
31/12/2025 07:00	shut down	shut down	shut down	shut down	shut down	shut down
31/12/2025 08:00	shut down	shut down	shut down	shut down	shut down	shut down
31/12/2025 09:00	shut down	shut down	shut down	shut down	shut down	shut down
31/12/2025 10:00	shut down	shut down	shut down	shut down	shut down	shut down
31/12/2025 11:00	shut down	shut down	shut down	shut down	shut down	shut down
31/12/2025 12:00	shut down	shut down	shut down	shut down	shut down	shut down
31/12/2025 13:00	shut down	shut down	shut down	shut down	shut down	shut down
31/12/2025 14:00	shut down	shut down	shut down	shut down	shut down	shut down
31/12/2025 15:00	shut down	shut down	shut down	shut down	shut down	shut down
31/12/2025 16:00	shut down	shut down	shut down	shut down	shut down	shut down
31/12/2025 17:00	shut down	shut down	shut down	shut down	shut down	shut down
31/12/2025 18:00	shut down	shut down	shut down	shut down	shut down	shut down
31/12/2025 19:00	shut down	shut down	shut down	shut down	shut down	shut down
31/12/2025 20:00	shut down	shut down	shut down	shut down	shut down	shut down
31/12/2025 21:00	shut down	shut down	shut down	shut down	shut down	shut down
31/12/2025 22:00	shut down	shut down	shut down	shut down	shut down	shut down
31/12/2025 23:00	shut down	shut down	shut down	shut down	shut down	shut down
Minimum	13.83	272,787.40	0.00	0.00	0.00	0.00
Maximum	16.88	356,556.30	46.82	5.29	22.76	18.12
Avg	14.50	323,923.85	27.67	1.23	6.27	0.75
SUM						
STD			STD = 60	STD = 6	STD = 28	STD = 690

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
01/12/2025 00:00	14.6	376743.3	34.53	0.40	11.55	1.08
01/12/2025 01:00	14.6	376130.8	34.23	0.51	12.04	1.06
01/12/2025 02:00	14.6	376464.6	34.21	0.57	12.29	1.02
01/12/2025 03:00	14.6	376046.5	34.02	0.53	12.20	1.01
01/12/2025 04:00	14.6	375525.8	33.44	0.57	12.45	1.08
01/12/2025 05:00	14.6	375574.2	33.51	0.55	12.86	1.08
01/12/2025 06:00	14.6	375224.4	33.48	0.53	12.86	1.10
01/12/2025 07:00	14.6	375915.6	33.40	0.53	12.25	1.13
01/12/2025 08:00	14.6	377508.5	34.34	0.49	11.08	1.04
01/12/2025 09:00	14.7	378953.5	35.91	0.40	9.72	0.92
01/12/2025 10:00	14.7	381339.9	36.15	0.49	9.50	0.88
01/12/2025 11:00	14.7	381004.2	36.21	0.56	8.82	0.97
01/12/2025 12:00	14.7	297938.0	39.41	0.63	11.68	0.83
01/12/2025 13:00	14.7	357941.5	30.81	0.56	10.02	0.94
01/12/2025 14:00	14.7	359747.8	31.85	0.67	9.94	0.92
01/12/2025 15:00	14.7	358413.7	32.08	0.67	9.89	0.92
01/12/2025 16:00	14.7	358928.6	32.25	0.69	9.98	0.90
01/12/2025 17:00	14.7	357506.4	32.44	0.58	9.24	0.87
01/12/2025 18:00	14.6	354738.7	31.57	0.60	10.06	0.91
01/12/2025 19:00	14.6	358032.5	30.81	0.55	10.21	0.99
01/12/2025 20:00	14.6	358621.3	30.96	0.60	11.43	1.01
01/12/2025 21:00	14.6	354078.8	30.99	0.57	10.88	1.15
01/12/2025 22:00	14.6	352904.1	30.76	0.59	10.87	1.10
01/12/2025 23:00	14.5	323725.7	30.74	0.59	11.96	1.09
02/12/2025 00:00	14.5	330467.1	28.69	0.61	11.69	1.13
02/12/2025 01:00	14.5	331456.9	28.71	0.63	11.86	1.13
02/12/2025 02:00	14.5	323037.2	28.19	0.65	13.96	1.17
02/12/2025 03:00	14.5	329357.7	27.48	0.65	13.75	1.19
02/12/2025 04:00	14.4	327784.8	27.65	0.54	13.10	1.20
02/12/2025 05:00	14.4	323080.0	27.07	0.67	14.50	1.20
02/12/2025 06:00	14.4	322787.0	26.90	0.69	13.21	1.25
02/12/2025 07:00	14.5	332441.1	28.30	0.82	13.12	1.19
02/12/2025 08:00	14.5	335373.7	29.26	0.89	11.24	1.07
02/12/2025 09:00	14.5	333519.1	29.59	0.76	10.38	1.05
02/12/2025 10:00	14.6	328535.7	29.55	0.74	9.74	1.03
02/12/2025 11:00	14.6	326575.8	29.27	0.72	9.30	1.03
02/12/2025 12:00	14.7	303865.8	35.16	0.67	11.08	0.93
02/12/2025 13:00	14.7	362438.6	30.83	0.76	10.14	1.05
02/12/2025 14:00	14.7	363166.7	32.40	0.72	10.31	1.01
02/12/2025 15:00	14.7	362023.3	32.60	0.74	10.31	0.99
02/12/2025 16:00	14.7	362378.9	32.82	0.56	10.34	0.99
02/12/2025 17:00	14.7	360470.2	32.28	0.58	10.49	1.00
02/12/2025 18:00	14.6	358217.4	31.41	0.69	11.08	1.04
02/12/2025 19:00	14.6	360885.5	30.81	0.77	11.05	1.08
02/12/2025 20:00	14.6	360985.0	30.16	0.70	11.23	1.28
02/12/2025 21:00	14.6	357605.9	29.23	0.90	11.75	1.36
02/12/2025 22:00	14.6	357995.6	29.80	0.88	11.94	1.54
02/12/2025 23:00	14.5	330529.6	30.07	0.79	12.28	1.25
03/12/2025 00:00	14.5	336113.2	28.69	0.80	12.16	1.20
03/12/2025 01:00	14.5	338935.0	28.71	0.65	11.96	1.28
03/12/2025 02:00	14.5	337040.6	28.32	0.67	11.95	1.32
03/12/2025 03:00	14.5	333300.1	27.95	0.76	12.99	1.32
03/12/2025 04:00	14.5	332557.7	27.48	0.84	17.63	1.36
03/12/2025 05:00	14.5	328228.5	27.71	0.78	15.04	1.27
03/12/2025 06:00	14.5	328788.8	27.61	0.73	12.80	1.31
03/12/2025 07:00	14.5	338664.7	28.08	0.78	13.23	1.28
03/12/2025 08:00	14.6	343093.5	29.29	0.79	11.54	1.18
03/12/2025 09:00	14.6	342103.6	29.74	0.81	11.24	1.06
03/12/2025 10:00	14.6	340812.2	30.03	0.75	10.61	0.99
03/12/2025 11:00	14.6	336440.4	30.07	0.77	10.41	0.95
03/12/2025 12:00	14.7	311671.0	33.25	0.82	11.88	0.91
03/12/2025 13:00	14.7	368315.2	31.48	0.81	10.54	0.90
03/12/2025 14:00	14.7	368542.8	33.49	0.74	10.04	0.90
03/12/2025 15:00	14.7	367931.1	33.69	0.72	10.00	0.88
03/12/2025 16:00	14.7	367163.3	33.32	0.70	10.32	0.90

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
03/12/2025 17:00	14.7	363931.9	31.94	0.67	9.98	0.94
03/12/2025 18:00	14.6	363752.7	30.60	0.56	10.79	0.95
03/12/2025 19:00	14.6	366514.7	31.04	0.67	10.99	0.98
03/12/2025 20:00	14.6	367137.6	31.49	0.73	11.75	1.02
03/12/2025 21:00	14.6	362134.2	30.70	0.71	11.24	1.06
03/12/2025 22:00	14.6	362214.0	31.56	0.69	11.22	0.97
03/12/2025 23:00	14.6	334079.5	31.54	0.64	11.81	0.92
04/12/2025 00:00	14.6	341187.7	30.26	0.66	11.49	0.92
04/12/2025 01:00	14.6	341779.4	30.37	0.70	11.51	0.92
04/12/2025 02:00	14.6	341019.9	30.50	0.68	11.64	0.92
04/12/2025 03:00	14.5	338067.4	30.53	0.68	11.67	0.96
04/12/2025 04:00	14.5	334767.8	30.35	0.63	11.90	0.98
04/12/2025 05:00	14.5	329081.8	29.73	0.65	12.23	0.96
04/12/2025 06:00	14.5	331565.0	29.78	0.67	12.34	0.93
04/12/2025 07:00	14.6	341298.7	30.78	0.72	12.08	0.92
04/12/2025 08:00	14.6	342763.6	31.48	0.66	11.21	0.90
04/12/2025 09:00	14.6	341805.0	31.69	0.66	10.47	0.88
04/12/2025 10:00	14.6	339373.0	31.47	0.73	9.92	0.88
04/12/2025 11:00	14.6	335729.3	31.23	0.77	9.59	0.88
04/12/2025 12:00	14.7	310991.1	35.78	0.69	11.08	0.83
04/12/2025 13:00	14.7	367587.0	34.50	0.56	9.48	0.86
04/12/2025 14:00	14.7	368514.3	34.66	0.63	9.07	0.86
04/12/2025 15:00	14.7	365937.3	33.04	0.74	8.82	0.87
04/12/2025 16:00	14.6	360754.7	29.47	0.75	9.11	0.81
04/12/2025 17:00	14.6	357546.1	28.79	0.70	9.98	0.81
04/12/2025 18:00	14.5	355276.3	28.91	0.59	10.34	0.85
04/12/2025 19:00	14.6	358476.3	28.76	0.61	10.59	0.83
04/12/2025 20:00	14.6	361673.5	30.50	0.62	10.78	0.88
04/12/2025 21:00	14.6	365755.3	32.55	0.60	10.86	0.87
04/12/2025 22:00	14.6	357892.1	31.61	0.64	11.09	0.86
04/12/2025 23:00	14.6	329522.7	30.87	0.66	12.01	0.86
05/12/2025 00:00	14.5	334784.9	29.50	0.59	11.67	0.89
05/12/2025 01:00	14.5	333493.6	29.52	0.63	11.78	0.92
05/12/2025 02:00	14.5	327056.5	28.80	0.65	11.92	0.93
05/12/2025 03:00	14.5	321754.5	28.02	0.65	12.15	0.97
05/12/2025 04:00	14.5	317149.4	27.02	0.65	12.45	1.04
05/12/2025 05:00	14.4	307933.4	26.36	0.67	12.33	1.03
05/12/2025 06:00	14.4	305453.0	25.71	0.65	12.72	1.05
05/12/2025 07:00	14.5	304292.5	25.24	0.69	12.71	1.08
05/12/2025 08:00	14.5	303402.2	25.58	0.65	12.02	1.01
05/12/2025 09:00	14.5	302028.3	24.80	0.65	13.10	0.97
05/12/2025 10:00	14.5	298774.3	25.06	0.67	14.87	0.88
05/12/2025 11:00	14.5	295847.3	28.63	0.76	14.77	0.85
05/12/2025 12:00	14.5	297155.8	26.71	0.70	12.81	0.85
05/12/2025 13:00	14.5	299573.5	23.99	0.65	12.61	0.87
05/12/2025 14:00	14.5	299943.3	24.14	0.61	12.51	0.85
05/12/2025 15:00	14.5	301741.0	25.54	0.57	12.25	0.85
05/12/2025 16:00	14.5	302568.7	28.32	0.61	12.53	0.87
05/12/2025 17:00	14.6	307153.8	34.23	0.64	14.03	0.75
05/12/2025 18:00	14.5	339640.4	26.72	0.65	12.41	0.91
05/12/2025 19:00	14.5	343096.4	27.97	0.65	11.99	0.98
05/12/2025 20:00	14.5	346455.6	29.33	0.70	11.87	0.98
05/12/2025 21:00	14.6	331303.3	31.11	0.70	12.61	0.94
05/12/2025 22:00	14.4	305327.8	25.95	0.64	13.04	0.97
05/12/2025 23:00	14.4	305945.0	25.93	0.60	13.23	1.01
06/12/2025 00:00	14.4	305470.1	25.74	0.64	13.32	1.03
06/12/2025 01:00	14.4	304440.4	25.44	0.66	13.51	1.01
06/12/2025 02:00	14.4	303760.5	25.33	0.56	13.90	0.99
06/12/2025 03:00	14.4	302417.9	24.87	0.67	13.79	0.97
06/12/2025 04:00	14.4	304309.5	25.54	0.56	13.81	0.97
06/12/2025 05:00	14.4	304275.4	25.67	0.71	13.79	0.95
06/12/2025 06:00	14.4	306784.2	26.19	0.73	13.84	0.97
06/12/2025 07:00	14.5	327252.8	28.28	0.61	12.99	0.93
06/12/2025 08:00	14.6	340806.6	30.10	0.66	12.11	0.90
06/12/2025 09:00	14.6	341620.1	30.28	0.72	11.60	0.90

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
06/12/2025 10:00	14.5	332452.5	29.13	0.70	11.39	0.94
06/12/2025 11:00	14.5	330102.9	28.93	0.72	10.74	0.94
06/12/2025 12:00	14.6	303402.2	33.79	0.67	11.77	0.84
06/12/2025 13:00	14.7	366352.6	32.27	0.65	9.86	0.83
06/12/2025 14:00	14.7	364429.7	32.49	0.63	9.57	0.83
06/12/2025 15:00	14.7	363812.5	32.87	0.54	9.14	0.85
06/12/2025 16:00	14.7	364788.2	32.96	0.65	9.50	0.83
06/12/2025 17:00	14.7	359269.8	33.10	0.63	9.33	0.87
06/12/2025 18:00	14.7	357594.5	32.03	0.56	10.09	0.91
06/12/2025 19:00	14.7	360783.1	32.03	0.60	10.34	0.98
06/12/2025 20:00	14.6	361659.2	32.29	0.58	10.52	1.07
06/12/2025 21:00	14.6	361670.7	32.37	0.62	10.81	1.07
06/12/2025 22:00	14.6	360379.2	32.24	0.53	10.92	1.09
06/12/2025 23:00	14.6	331010.3	31.40	0.59	11.81	1.08
07/12/2025 00:00	14.5	337663.4	29.57	0.63	11.17	1.13
07/12/2025 01:00	14.5	336613.9	29.57	0.65	11.09	1.13
07/12/2025 02:00	14.5	333311.5	29.10	0.63	11.53	1.26
07/12/2025 03:00	14.5	330834.0	28.60	0.63	12.06	1.26
07/12/2025 04:00	14.5	328188.6	28.36	0.65	12.34	1.15
07/12/2025 05:00	14.5	322957.8	28.02	0.65	12.65	1.08
07/12/2025 06:00	14.5	322360.4	27.91	0.60	12.54	1.10
07/12/2025 07:00	14.5	321177.1	27.89	0.60	12.71	1.04
07/12/2025 08:00	14.5	321236.9	27.95	0.63	12.43	1.00
07/12/2025 09:00	14.5	318102.2	27.87	0.63	10.92	0.96
07/12/2025 10:00	14.5	314407.3	27.80	0.67	10.27	0.96
07/12/2025 11:00	14.5	311668.1	28.26	0.68	10.04	0.92
07/12/2025 12:00	14.6	311230.0	28.65	0.63	10.20	0.92
07/12/2025 13:00	14.6	314316.3	29.08	0.53	10.49	0.90
07/12/2025 14:00	14.6	317644.3	29.67	0.55	10.44	0.90
07/12/2025 15:00	14.6	323438.4	30.56	0.46	9.94	0.95
07/12/2025 16:00	14.6	320898.3	29.72	0.53	10.24	0.93
07/12/2025 17:00	14.7	318201.8	35.84	0.52	12.35	0.79
07/12/2025 18:00	14.6	353996.3	30.59	0.49	10.35	0.93
07/12/2025 19:00	14.7	358203.2	32.75	0.45	10.06	1.05
07/12/2025 20:00	14.7	359230.0	33.24	0.42	10.09	0.94
07/12/2025 21:00	14.7	347414.2	34.26	0.49	10.89	0.94
07/12/2025 22:00	14.6	330990.5	30.76	0.48	10.66	1.23
07/12/2025 23:00	14.5	330583.7	30.34	0.52	10.77	1.25
08/12/2025 00:00	14.5	329855.5	29.71	0.41	11.05	1.13
08/12/2025 01:00	14.5	329581.9	29.56	0.41	11.25	1.17
08/12/2025 02:00	14.5	328353.5	29.12	0.54	11.84	1.21
08/12/2025 03:00	14.5	325600.2	28.60	0.52	12.26	1.17
08/12/2025 04:00	14.5	323327.4	28.41	0.56	12.56	1.10
08/12/2025 05:00	14.5	321100.2	28.84	0.54	12.38	1.02
08/12/2025 06:00	14.5	324294.7	29.73	0.50	12.34	0.96
08/12/2025 07:00	14.5	336855.7	31.14	0.46	12.02	0.94
08/12/2025 08:00	14.6	342231.7	31.76	0.53	11.44	0.88
08/12/2025 09:00	14.6	338522.5	32.00	0.53	10.75	0.86
08/12/2025 10:00	14.6	334557.3	32.15	0.53	10.10	0.88
08/12/2025 11:00	14.6	330558.0	32.67	0.37	9.54	0.86
08/12/2025 12:00	14.7	300045.7	40.74	0.51	11.10	0.76
08/12/2025 13:00	14.7	367114.8	35.29	0.45	8.68	0.83
08/12/2025 14:00	14.8	367055.2	37.73	0.45	8.53	0.84
08/12/2025 15:00	14.8	367277.1	37.72	0.45	8.51	0.84
08/12/2025 16:00	14.8	368497.2	37.85	0.43	8.51	0.84
08/12/2025 17:00	14.7	366369.5	37.34	0.38	8.66	0.88
08/12/2025 18:00	14.7	364165.2	36.80	0.31	9.07	0.90
08/12/2025 19:00	14.7	366167.7	36.57	0.29	9.35	0.94
08/12/2025 20:00	14.7	365197.7	36.25	0.22	9.59	0.96
08/12/2025 21:00	14.7	361835.5	35.04	0.33	10.00	0.98
08/12/2025 22:00	14.6	360328.0	34.51	0.36	10.37	0.95
08/12/2025 23:00	14.6	329329.3	32.66	0.39	11.56	0.94
09/12/2025 00:00	14.6	337225.4	32.38	0.35	11.07	0.92
09/12/2025 01:00	14.6	338917.9	32.40	0.39	11.18	0.92
09/12/2025 02:00	14.5	336397.7	32.11	0.48	11.34	0.94

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
09/12/2025 03:00	14.5	333541.9	31.72	0.46	11.66	0.98
09/12/2025 04:00	14.5	330597.9	31.53	0.44	11.66	0.96
09/12/2025 05:00	14.5	327036.6	31.15	0.37	11.88	0.96
09/12/2025 06:00	14.5	329394.7	31.32	0.39	11.86	0.96
09/12/2025 07:00	14.6	340471.0	32.58	0.24	11.42	0.99
09/12/2025 08:00	14.6	342755.0	32.67	0.29	11.13	0.97
09/12/2025 09:00	14.6	339643.2	32.66	0.33	10.10	0.92
09/12/2025 10:00	14.6	334716.6	32.20	0.35	9.83	0.90
09/12/2025 11:00	14.6	336130.3	32.10	0.49	9.40	0.86
09/12/2025 12:00	14.7	317448.0	37.57	0.54	10.44	0.83
09/12/2025 13:00	14.7	369581.1	34.35	0.54	8.83	0.83
09/12/2025 14:00	14.7	367604.1	35.69	0.56	8.64	0.83
09/12/2025 15:00	14.7	365706.9	35.90	0.50	8.42	0.86
09/12/2025 16:00	14.7	367806.1	35.97	0.52	8.39	0.88
09/12/2025 17:00	14.7	366995.3	35.72	0.36	8.70	1.01
09/12/2025 18:00	14.7	364287.5	34.41	0.34	9.14	0.96
09/12/2025 19:00	14.7	367396.4	34.94	0.31	9.33	0.98
09/12/2025 20:00	14.7	366494.8	35.14	0.40	9.84	0.94
09/12/2025 21:00	14.6	361864.1	34.08	0.36	10.35	0.98
09/12/2025 22:00	14.6	361750.2	33.94	0.31	10.80	1.02
09/12/2025 23:00	14.6	332307.4	32.27	0.33	11.67	1.01
10/12/2025 00:00	14.5	338707.4	31.49	0.24	11.58	0.96
10/12/2025 01:00	14.5	339355.9	31.54	0.31	11.69	0.96
10/12/2025 02:00	14.5	338030.5	31.38	0.35	11.78	0.94
10/12/2025 03:00	14.5	335038.1	31.47	0.33	11.89	0.96
10/12/2025 04:00	14.5	334275.8	31.42	0.26	12.11	0.98
10/12/2025 05:00	14.5	332800.7	30.60	0.28	12.58	0.98
10/12/2025 06:00	14.5	330578.0	30.80	0.28	12.71	0.98
10/12/2025 07:00	14.5	338625.0	31.42	0.28	12.50	0.94
10/12/2025 08:00	14.6	342968.4	31.75	0.29	11.59	0.88
10/12/2025 09:00	14.6	339708.6	31.69	0.31	10.85	0.86
10/12/2025 10:00	14.6	335914.1	31.66	0.35	10.21	0.88
10/12/2025 11:00	14.6	331337.5	31.31	0.40	9.82	0.88
10/12/2025 12:00	14.7	308445.3	37.02	0.40	11.23	0.76
10/12/2025 13:00	14.7	366921.5	33.61	0.38	9.15	0.81
10/12/2025 14:00	14.7	366565.9	35.26	0.43	9.03	0.83
10/12/2025 15:00	14.7	368448.9	35.68	0.47	8.96	0.81
10/12/2025 16:00	14.7	368838.6	35.35	0.59	9.08	0.81
10/12/2025 17:00	14.7	369433.0	35.19	0.40	9.27	0.85
10/12/2025 18:00	14.7	366810.5	35.10	0.31	9.80	0.87
10/12/2025 19:00	14.7	369731.7	34.97	0.29	10.28	0.87
10/12/2025 20:00	14.7	369128.7	35.07	0.31	10.26	0.87
10/12/2025 21:00	14.7	364213.6	34.05	0.31	10.39	0.91
10/12/2025 22:00	14.6	364136.7	33.86	0.33	10.64	0.89
10/12/2025 23:00	14.6	334290.0	32.31	0.42	11.52	0.90
11/12/2025 00:00	14.6	342538.9	31.25	0.37	10.96	0.90
11/12/2025 01:00	14.6	343830.2	31.78	0.40	10.75	0.88
11/12/2025 02:00	14.6	342900.1	31.89	0.31	11.02	0.86
11/12/2025 03:00	14.5	340089.8	30.90	0.35	11.74	0.83
11/12/2025 04:00	14.5	339014.5	30.37	0.33	12.66	0.81
11/12/2025 05:00	14.5	333359.8	29.53	0.37	13.60	0.82
11/12/2025 06:00	14.5	336685.0	29.60	0.43	13.88	0.78
11/12/2025 07:00	14.5	345906.7	30.53	0.41	13.75	0.79
11/12/2025 08:00	14.6	351123.4	31.24	0.42	13.77	0.79
11/12/2025 09:00	14.6	353785.8	31.33	0.42	13.24	0.79
11/12/2025 10:00	14.6	354047.5	31.04	0.46	13.37	0.77
11/12/2025 11:00	14.5	346165.5	30.20	0.46	16.41	0.78
11/12/2025 12:00	14.6	316691.5	34.50	0.46	19.37	0.72
11/12/2025 13:00	14.6	370639.1	32.15	0.53	20.06	0.75
11/12/2025 14:00	14.6	369837.0	32.22	0.60	23.09	0.75
11/12/2025 15:00	14.6	368286.9	32.27	0.58	15.23	0.77
11/12/2025 16:00	14.6	368141.7	32.29	0.53	14.54	0.75
11/12/2025 17:00	14.6	364250.5	32.11	0.53	16.40	0.77
11/12/2025 18:00	14.6	360504.4	31.72	0.46	12.34	0.79
11/12/2025 19:00	14.6	363195.2	31.79	0.51	14.27	0.77

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
11/12/2025 20:00	14.6	364614.5	31.99	0.57	16.74	0.79
11/12/2025 21:00	14.6	363061.5	31.80	0.57	15.18	0.79
11/12/2025 22:00	14.6	361482.9	32.07	0.59	20.59	0.79
11/12/2025 23:00	14.5	334307.0	31.78	0.57	17.75	0.79
12/12/2025 00:00	14.5	340596.1	30.17	0.54	20.36	0.80
12/12/2025 01:00	14.5	343164.7	30.24	0.57	12.72	0.78
12/12/2025 02:00	14.5	340482.3	30.08	0.50	12.79	0.83
12/12/2025 03:00	14.5	337933.7	29.56	0.67	11.47	0.82
12/12/2025 04:00	14.5	338519.7	29.54	0.65	11.34	0.83
12/12/2025 05:00	14.5	331900.7	29.05	0.78	20.73	0.82
12/12/2025 06:00	14.5	333231.9	29.14	0.63	14.01	0.86
12/12/2025 07:00	14.5	343247.2	29.85	0.63	16.56	0.85
12/12/2025 08:00	14.5	347226.5	30.55	0.55	15.08	0.83
12/12/2025 09:00	14.6	350685.3	30.92	0.48	13.02	0.79
12/12/2025 10:00	14.6	347556.5	30.63	0.61	12.96	0.90
12/12/2025 11:00	14.5	336594.0	29.56	0.54	12.72	0.89
12/12/2025 12:00	14.6	317940.1	34.42	0.46	13.01	0.77
12/12/2025 13:00	14.7	370323.4	33.04	0.47	11.80	0.78
12/12/2025 14:00	14.7	371944.7	33.22	0.51	11.68	0.78
12/12/2025 15:00	14.7	371813.9	32.85	0.56	11.96	0.80
12/12/2025 16:00	14.7	369219.8	33.27	0.42	12.36	0.83
12/12/2025 17:00	14.7	363064.4	32.31	0.47	12.45	0.82
12/12/2025 18:00	14.6	360083.4	31.77	0.51	14.37	0.84
12/12/2025 19:00	14.6	362083.1	31.83	0.49	16.82	0.86
12/12/2025 20:00	14.6	363300.5	32.40	0.40	15.27	0.84
12/12/2025 21:00	14.6	363169.6	32.67	0.44	15.34	0.80
12/12/2025 22:00	14.6	362327.7	32.53	0.46	20.33	0.80
12/12/2025 23:00	14.6	335333.9	32.27	0.55	18.85	0.79
13/12/2025 00:00	14.5	341955.7	30.66	0.52	19.52	0.81
13/12/2025 01:00	14.5	342612.8	30.60	0.52	16.76	0.85
13/12/2025 02:00	14.5	341827.8	30.44	0.55	14.16	0.83
13/12/2025 03:00	14.5	339390.1	30.27	0.52	16.58	0.85
13/12/2025 04:00	14.5	339401.5	30.31	0.48	20.36	0.83
13/12/2025 05:00	14.5	332990.1	29.67	0.56	17.55	0.85
13/12/2025 06:00	14.5	333928.7	29.65	0.59	15.88	0.83
13/12/2025 07:00	14.5	343511.7	29.89	0.55	16.91	0.85
13/12/2025 08:00	14.5	343872.9	29.66	0.52	16.02	0.87
13/12/2025 09:00	14.6	343372.3	29.75	0.46	13.59	0.86
13/12/2025 10:00	14.6	338397.4	29.51	0.50	12.06	0.88
13/12/2025 11:00	14.6	337549.7	29.20	0.57	11.84	0.83
13/12/2025 12:00	14.6	313602.3	32.31	0.51	12.86	0.80
13/12/2025 13:00	14.7	372158.0	32.13	0.54	12.15	0.78
13/12/2025 14:00	14.7	373887.5	32.28	0.56	11.70	0.81
13/12/2025 15:00	14.6	371037.4	32.73	0.51	11.24	0.84
13/12/2025 16:00	14.6	364876.3	31.26	0.44	15.28	0.79
13/12/2025 17:00	14.5	360026.4	30.00	0.48	15.12	0.79
13/12/2025 18:00	14.5	357890.4	30.01	0.46	16.11	0.81
13/12/2025 19:00	14.6	361172.8	30.22	0.53	15.96	0.83
13/12/2025 20:00	14.6	362487.0	30.80	0.55	13.04	0.82
13/12/2025 21:00	14.6	362341.9	30.93	0.53	13.79	0.77
13/12/2025 22:00	14.6	360868.5	30.68	0.53	15.51	0.79
13/12/2025 23:00	14.5	332674.3	30.46	0.50	18.96	0.81
14/12/2025 00:00	14.5	337401.8	28.80	0.52	16.87	0.85
14/12/2025 01:00	14.5	339239.3	28.99	0.48	13.01	0.85
14/12/2025 02:00	14.5	337467.2	28.71	0.54	12.73	0.85
14/12/2025 03:00	14.5	335353.9	28.28	0.76	18.01	0.86
14/12/2025 04:00	14.5	331949.0	28.27	0.56	17.50	0.86
14/12/2025 05:00	14.4	324186.6	27.61	0.54	16.35	0.86
14/12/2025 06:00	14.4	319942.6	27.31	0.56	15.54	0.84
14/12/2025 07:00	14.5	313767.3	27.00	0.56	16.77	0.84
14/12/2025 08:00	14.5	313167.1	27.69	0.50	12.95	0.89
14/12/2025 09:00	14.5	306232.4	27.71	0.50	12.69	0.84
14/12/2025 10:00	14.5	304062.1	27.34	0.48	12.14	0.82
14/12/2025 11:00	14.5	305791.5	27.82	0.48	11.67	0.82
14/12/2025 12:00	14.5	302938.5	27.32	0.48	11.72	0.83

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
14/12/2025 13:00	14.5	306445.7	27.43	0.46	11.22	0.92
14/12/2025 14:00	14.5	307094.2	27.60	0.41	11.61	0.94
14/12/2025 15:00	14.5	315383.0	28.24	0.42	11.28	0.92
14/12/2025 16:00	14.5	317317.2	28.45	0.48	11.52	0.89
14/12/2025 17:00	14.6	315478.3	34.86	0.40	12.57	0.75
14/12/2025 18:00	14.6	346026.1	30.44	0.42	11.87	0.86
14/12/2025 19:00	14.6	350998.2	31.42	0.38	11.96	0.93
14/12/2025 20:00	14.6	351336.7	31.33	0.44	12.05	0.93
14/12/2025 21:00	14.6	339850.8	32.28	0.49	12.51	0.90
14/12/2025 22:00	14.5	326009.8	28.82	0.50	14.29	0.98
14/12/2025 23:00	14.5	326723.8	28.32	0.45	13.34	1.02
15/12/2025 00:00	14.5	325148.0	28.38	0.43	13.14	1.02
15/12/2025 01:00	14.5	325376.8	29.63	0.41	12.36	1.00
15/12/2025 02:00	14.5	323722.9	29.71	0.46	12.20	0.98
15/12/2025 03:00	14.5	321111.6	29.67	0.41	12.36	1.00
15/12/2025 04:00	14.5	320318.1	29.47	0.41	12.49	1.00
15/12/2025 05:00	14.5	316754.0	29.04	0.37	12.84	1.00
15/12/2025 06:00	14.5	319447.6	29.38	0.37	13.01	1.00
15/12/2025 07:00	14.6	338093.0	31.24	0.37	12.76	0.99
15/12/2025 08:00	14.6	345741.7	32.37	0.40	12.09	0.95
15/12/2025 09:00	14.6	340419.8	32.26	0.42	11.56	1.01
15/12/2025 10:00	14.6	335558.6	43.45	0.57	10.76	0.55
15/12/2025 11:00	14.6	334406.6	44.40	0.51	10.40	1.26
15/12/2025 12:00	14.6	305598.0	48.41	0.67	11.66	1.15
15/12/2025 13:00	14.7	368244.1	45.47	0.76	10.33	1.15
15/12/2025 14:00	14.8	370152.8	47.06	0.81	10.69	1.18
15/12/2025 15:00	14.8	372940.3	46.43	1.00	11.16	1.18
15/12/2025 16:00	14.8	374885.9	47.72	1.00	11.57	1.18
15/12/2025 17:00	14.7	372041.4	47.13	1.04	11.47	1.22
15/12/2025 18:00	14.7	369071.8	45.21	1.07	11.39	1.28
15/12/2025 19:00	14.7	371552.2	44.54	1.16	12.02	1.30
15/12/2025 20:00	14.7	370044.6	44.18	1.23	11.02	1.36
15/12/2025 21:00	14.7	366145.0	43.73	1.29	11.45	1.29
15/12/2025 22:00	14.7	365209.1	43.15	1.27	11.76	1.36
15/12/2025 23:00	14.6	337774.5	39.94	1.19	12.54	1.41
16/12/2025 00:00	14.6	343909.9	38.82	1.25	12.12	1.47
16/12/2025 01:00	14.6	343585.6	38.21	1.23	11.99	1.53
16/12/2025 02:00	14.6	343321.1	38.11	1.31	12.08	1.47
16/12/2025 03:00	14.5	340968.7	37.63	1.36	12.48	1.44
16/12/2025 04:00	14.5	338548.1	37.23	1.33	12.70	1.46
16/12/2025 05:00	14.5	332591.8	36.43	1.28	12.90	1.50
16/12/2025 06:00	14.5	335231.5	37.13	1.28	12.70	1.44
16/12/2025 07:00	14.6	343340.9	38.15	1.32	12.69	1.45
16/12/2025 08:00	14.6	346040.4	38.92	1.26	12.18	1.41
16/12/2025 09:00	14.6	343690.8	38.96	1.24	11.56	1.35
16/12/2025 10:00	14.6	341207.8	40.29	1.22	10.74	1.35
16/12/2025 11:00	14.6	337646.4	41.41	1.15	10.21	1.35
16/12/2025 12:00	14.7	305586.7	45.79	1.07	11.59	1.27
16/12/2025 13:00	14.8	370431.6	46.18	0.95	10.08	1.27
16/12/2025 14:00	calibrate	calibrate	calibrate	calibrate	calibrate	calibrate
16/12/2025 15:00	calibrate	calibrate	calibrate	calibrate	calibrate	calibrate
16/12/2025 16:00	14.8	375471.7	43.05	0.57	2.72	0.89
16/12/2025 17:00	14.8	372832.3	42.31	0.57	2.76	0.90
16/12/2025 18:00	14.7	369288.1	40.31	0.56	3.31	0.87
16/12/2025 19:00	14.7	371438.4	39.02	0.62	3.28	0.89
16/12/2025 20:00	14.6	369765.9	37.70	0.64	3.46	1.00
16/12/2025 21:00	14.6	365581.7	36.45	0.69	3.59	1.08
16/12/2025 22:00	14.6	367319.7	37.13	0.71	2.79	1.15
16/12/2025 23:00	14.6	338912.2	36.31	0.73	2.57	1.10
17/12/2025 00:00	14.6	346188.3	34.66	0.70	2.85	1.12
17/12/2025 01:00	14.6	345022.1	34.17	0.68	2.80	1.14
17/12/2025 02:00	14.5	344942.4	33.85	0.68	3.02	1.11
17/12/2025 03:00	14.6	342203.2	33.99	0.70	3.24	1.09
17/12/2025 04:00	14.5	339683.1	33.84	0.63	3.27	1.05
17/12/2025 05:00	14.5	334136.4	33.34	0.63	3.17	1.04

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
17/12/2025 06:00	14.5	336502.9	33.79	0.57	3.20	1.02
17/12/2025 07:00	14.6	343969.5	34.57	0.64	3.42	0.99
17/12/2025 08:00	14.6	346629.2	34.67	0.62	3.06	0.97
17/12/2025 09:00	14.6	344706.3	34.65	0.51	2.71	0.97
17/12/2025 10:00	14.6	341850.5	34.49	0.53	2.12	0.95
17/12/2025 11:00	14.6	339620.4	34.55	0.42	1.88	0.95
17/12/2025 12:00	14.6	308607.5	38.81	0.33	1.33	0.87
17/12/2025 13:00	14.7	371771.2	38.88	0.32	2.57	0.83
17/12/2025 14:00	14.8	373477.9	39.78	0.29	2.47	0.84
17/12/2025 15:00	14.8	374029.6	39.80	0.27	2.17	0.84
17/12/2025 16:00	14.8	375995.2	39.78	0.29	2.29	0.81
17/12/2025 17:00	14.7	373193.4	39.44	0.25	2.28	0.86
17/12/2025 18:00	14.7	369743.1	38.52	0.25	2.35	0.92
17/12/2025 19:00	14.7	372050.0	38.15	0.27	2.88	0.94
17/12/2025 20:00	14.7	371287.7	38.48	0.36	3.04	0.92
17/12/2025 21:00	14.7	367598.4	37.71	0.33	3.14	0.96
17/12/2025 22:00	14.7	366543.2	37.63	0.29	3.00	1.00
17/12/2025 23:00	14.6	339245.0	34.86	0.37	2.35	1.03
18/12/2025 00:00	14.6	347383.0	34.65	0.40	2.60	0.95
18/12/2025 01:00	14.6	347320.4	34.98	0.37	2.73	0.93
18/12/2025 02:00	14.6	345821.3	34.75	0.40	3.04	0.90
18/12/2025 03:00	14.6	344228.4	34.70	0.31	3.21	0.90
18/12/2025 04:00	14.6	343341.0	35.01	0.33	3.17	0.88
18/12/2025 05:00	14.6	337524.1	35.23	0.33	2.94	0.88
18/12/2025 06:00	14.6	337848.4	35.25	0.29	3.27	0.88
18/12/2025 07:00	14.6	347417.1	36.12	0.24	3.40	0.86
18/12/2025 08:00	14.6	352906.9	36.56	0.24	3.46	0.84
18/12/2025 09:00	14.6	348668.7	36.17	0.22	2.97	0.84
18/12/2025 10:00	14.6	341648.7	35.51	0.20	1.72	0.84
18/12/2025 11:00	14.6	343250.0	36.04	0.16	1.13	0.84
18/12/2025 12:00	14.7	305518.4	40.68	0.18	0.53	0.78
18/12/2025 13:00	14.7	370030.4	38.79	0.20	1.58	0.77
18/12/2025 14:00	14.8	371920.1	39.69	0.18	1.65	0.81
18/12/2025 15:00	14.8	372946.4	40.09	0.14	1.63	0.79
18/12/2025 16:00	14.8	373583.1	40.45	0.11	1.72	0.79
18/12/2025 17:00	14.7	371865.1	39.62	0.16	1.81	0.81
18/12/2025 18:00	14.7	367877.1	38.76	0.13	1.91	0.85
18/12/2025 19:00	14.7	369413.2	38.63	0.16	2.35	0.87
18/12/2025 20:00	14.7	368593.9	38.80	0.11	2.92	0.91
18/12/2025 21:00	14.7	365581.7	37.80	0.16	2.94	0.89
18/12/2025 22:00	14.6	365402.5	37.64	0.18	3.20	0.91
18/12/2025 23:00	14.6	337199.8	35.96	0.18	2.79	0.95
19/12/2025 00:00	14.6	344248.4	35.08	0.11	2.79	0.97
19/12/2025 01:00	14.6	345645.0	34.97	0.15	2.68	0.95
19/12/2025 02:00	14.6	344458.8	35.12	0.18	2.62	0.90
19/12/2025 03:00	14.6	341409.6	35.05	0.11	2.85	0.92
19/12/2025 04:00	14.6	341085.3	35.16	0.15	3.05	0.90
19/12/2025 05:00	14.5	335439.2	34.95	0.13	3.04	0.90
19/12/2025 06:00	14.5	335524.5	34.75	0.20	3.04	0.90
19/12/2025 07:00	14.6	344205.7	35.37	0.20	2.93	0.88
19/12/2025 08:00	14.6	346950.6	36.15	0.11	2.65	0.88
19/12/2025 09:00	14.6	344891.2	36.91	0.09	2.15	0.82
19/12/2025 10:00	14.6	339882.2	37.45	0.09	1.81	0.82
19/12/2025 11:00	14.6	337450.1	37.25	0.09	1.46	0.82
19/12/2025 12:00	14.7	313918.1	41.57	0.07	1.10	0.74
19/12/2025 13:00	14.7	369743.2	38.82	0.07	2.19	0.77
19/12/2025 14:00	14.8	373056.9	40.86	0.05	1.95	0.79
19/12/2025 15:00	14.8	372379.9	41.13	0.05	1.82	0.84
19/12/2025 16:00	14.8	373981.4	40.66	0.02	1.79	0.77
19/12/2025 17:00	14.7	369032.0	39.58	0.05	1.40	0.81
19/12/2025 18:00	14.7	363294.8	37.59	0.04	1.43	0.85
19/12/2025 19:00	14.7	365940.1	36.51	0.07	2.00	0.87
19/12/2025 20:00	14.6	366258.6	36.40	0.07	1.88	0.98
19/12/2025 21:00	14.6	363252.1	36.08	0.09	2.10	1.02
19/12/2025 22:00	14.6	363311.8	36.21	0.09	2.52	0.97

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
19/12/2025 23:00	14.6	334304.2	34.08	0.13	2.25	1.03
20/12/2025 00:00	14.6	341893.2	33.73	0.13	2.50	1.05
20/12/2025 01:00	14.6	342757.9	33.56	0.11	2.60	1.07
20/12/2025 02:00	14.5	341600.2	33.50	0.09	2.95	1.05
20/12/2025 03:00	14.5	339737.1	33.41	0.09	3.21	1.00
20/12/2025 04:00	14.5	337637.8	33.36	0.09	3.05	1.09
20/12/2025 05:00	14.5	331616.2	33.34	0.11	2.89	1.04
20/12/2025 06:00	14.5	331053.0	32.90	0.15	3.02	1.02
20/12/2025 07:00	14.5	338898.0	33.57	0.09	2.71	1.01
20/12/2025 08:00	14.6	343053.7	34.52	0.04	2.42	1.01
20/12/2025 09:00	14.6	338124.3	34.78	0.02	1.74	1.01
20/12/2025 10:00	14.6	336403.4	35.13	0.00	1.26	0.95
20/12/2025 11:00	14.6	332205.0	35.14	0.00	0.75	0.88
20/12/2025 12:00	14.7	309549.0	41.45	0.00	0.25	0.76
20/12/2025 13:00	14.8	368844.3	38.98	0.00	1.27	0.79
20/12/2025 14:00	14.8	371162.5	42.04	0.00	0.87	0.78
20/12/2025 15:00	14.8	371907.7	42.66	0.00	0.80	0.76
20/12/2025 16:00	14.8	373605.8	43.51	0.00	0.92	0.76
20/12/2025 17:00	14.8	369373.3	43.02	0.00	0.71	0.77
20/12/2025 18:00	14.7	363661.7	40.50	0.00	0.79	0.86
20/12/2025 19:00	14.7	365735.3	40.64	0.00	1.22	0.90
20/12/2025 20:00	14.7	365160.7	39.77	0.00	1.50	0.90
20/12/2025 21:00	14.7	362418.7	38.18	0.00	1.60	0.91
20/12/2025 22:00	14.6	360640.9	37.48	0.00	2.62	0.95
20/12/2025 23:00	14.6	331038.8	35.28	0.00	2.28	1.01
21/12/2025 00:00	14.6	337791.5	36.03	0.55	1.95	1.03
21/12/2025 01:00	14.6	337899.6	38.22	1.06	1.81	0.90
21/12/2025 02:00	14.6	336724.8	38.20	1.10	2.27	0.88
21/12/2025 03:00	14.6	334713.8	37.21	1.16	2.30	0.90
21/12/2025 04:00	14.5	331587.7	36.50	1.14	2.38	0.96
21/12/2025 05:00	14.5	325580.3	35.55	1.20	2.49	0.92
21/12/2025 06:00	14.5	324778.2	35.31	1.20	2.57	0.92
21/12/2025 07:00	14.5	327136.2	35.20	1.18	2.55	0.87
21/12/2025 08:00	14.6	326174.7	34.80	1.01	2.36	0.83
21/12/2025 09:00	14.5	322946.3	33.83	1.03	1.79	0.81
21/12/2025 10:00	14.6	320523.0	33.58	0.92	1.60	0.77
21/12/2025 11:00	14.6	318412.3	33.61	0.86	1.38	0.75
21/12/2025 12:00	14.6	317638.6	34.14	0.84	1.06	0.75
21/12/2025 13:00	14.6	319288.3	35.54	0.82	1.02	0.75
21/12/2025 14:00	14.6	321262.4	36.42	0.71	0.40	0.78
21/12/2025 15:00	14.7	323978.9	36.43	0.71	0.36	0.78
21/12/2025 16:00	14.6	322835.4	36.55	0.71	0.27	0.78
21/12/2025 17:00	14.7	318708.2	44.77	0.77	0.45	0.61
21/12/2025 18:00	14.7	354565.2	38.52	0.81	0.99	0.74
21/12/2025 19:00	14.7	361107.4	39.78	0.74	1.25	0.78
21/12/2025 20:00	14.7	363445.6	39.45	0.80	1.49	0.85
21/12/2025 21:00	14.6	350162.0	39.28	0.78	1.51	0.87
21/12/2025 22:00	14.6	339904.9	35.55	0.88	1.25	0.90
21/12/2025 23:00	14.6	339105.6	35.19	0.90	1.69	0.92
22/12/2025 00:00	14.6	337111.6	34.74	0.83	1.99	0.96
22/12/2025 01:00	14.5	336963.7	34.77	0.74	1.99	0.94
22/12/2025 02:00	14.5	335939.7	34.28	0.81	2.44	0.92
22/12/2025 03:00	14.5	332509.4	34.00	0.78	2.70	0.89
22/12/2025 04:00	14.5	328970.9	33.51	0.87	2.58	0.87
22/12/2025 05:00	14.5	325964.3	33.24	0.80	2.78	0.89
22/12/2025 06:00	14.5	326974.0	33.34	0.80	2.80	0.87
22/12/2025 07:00	14.6	340621.7	34.55	0.79	2.78	0.79
22/12/2025 08:00	14.6	346285.0	35.15	0.77	2.67	0.73
22/12/2025 09:00	14.6	343005.3	35.25	0.69	2.08	0.69
22/12/2025 10:00	14.6	346242.3	35.62	0.67	1.95	0.67
22/12/2025 11:00	14.6	339845.2	35.19	0.62	1.64	0.66
22/12/2025 12:00	14.7	311244.4	39.58	0.62	0.49	0.62
22/12/2025 13:00	14.7	370761.4	37.89	0.56	1.42	0.63
22/12/2025 14:00	14.7	372473.9	38.47	0.54	1.53	0.61
22/12/2025 15:00	14.8	371961.7	38.51	0.61	1.15	0.61

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
22/12/2025 16:00	14.8	374302.8	38.94	0.59	1.47	0.61
22/12/2025 17:00	14.7	372997.2	38.56	0.59	1.31	0.65
22/12/2025 18:00	14.7	368875.6	37.68	0.47	0.67	0.72
22/12/2025 19:00	14.7	371205.2	37.38	0.54	0.76	0.74
22/12/2025 20:00	14.7	371205.1	37.07	0.67	0.69	0.76
22/12/2025 21:00	14.6	365473.6	35.19	0.66	1.31	0.86
22/12/2025 22:00	14.6	365741.0	35.92	0.64	2.55	0.89
22/12/2025 23:00	14.6	336886.9	34.72	0.59	2.24	0.90
23/12/2025 00:00	14.6	344091.9	33.30	0.57	2.43	0.81
23/12/2025 01:00	14.6	344959.5	33.39	0.46	2.41	0.90
23/12/2025 02:00	14.6	344803.0	33.00	0.55	2.24	0.88
23/12/2025 03:00	14.5	341429.6	32.52	0.59	2.29	0.81
23/12/2025 04:00	14.5	339833.8	32.22	0.54	2.18	0.83
23/12/2025 05:00	14.5	335149.0	31.51	0.59	2.02	0.89
23/12/2025 06:00	14.5	335621.1	31.58	0.63	2.58	0.89
23/12/2025 07:00	14.6	342729.5	32.51	0.68	2.10	0.85
23/12/2025 08:00	14.6	346990.4	33.27	0.55	1.73	0.86
23/12/2025 09:00	14.6	345707.5	33.55	0.48	1.19	0.79
23/12/2025 10:00	14.6	340615.9	33.42	0.48	0.84	0.75
23/12/2025 11:00	14.6	337856.8	34.20	0.42	0.51	0.66
23/12/2025 12:00	14.6	304761.8	37.66	0.38	0.16	0.62
23/12/2025 13:00	14.8	372212.1	37.59	0.32	1.33	0.59
23/12/2025 14:00	14.8	373802.2	37.85	0.36	1.11	0.61
23/12/2025 15:00	14.8	373992.8	37.89	0.34	0.54	0.61
23/12/2025 16:00	14.8	374695.3	38.44	0.36	0.68	0.61
23/12/2025 17:00	14.7	372667.2	38.34	0.32	1.15	0.63
23/12/2025 18:00	14.7	368946.7	37.46	0.29	1.17	0.70
23/12/2025 19:00	14.7	372101.2	37.18	0.36	1.70	0.74
23/12/2025 20:00	14.7	371375.8	36.78	0.38	1.68	0.76
23/12/2025 21:00	14.7	366275.8	35.77	0.33	1.94	0.76
23/12/2025 22:00	14.7	366372.4	35.72	0.36	2.27	0.73
23/12/2025 23:00	14.6	339213.8	34.32	0.31	1.52	0.77
24/12/2025 00:00	14.6	345875.4	33.38	0.35	1.76	0.77
24/12/2025 01:00	14.6	346068.8	33.24	0.31	2.10	0.77
24/12/2025 02:00	14.6	343508.7	33.14	0.24	2.32	0.81
24/12/2025 03:00	14.6	340587.5	32.97	0.31	2.58	0.85
24/12/2025 04:00	14.6	339023.1	32.99	0.33	2.23	0.88
24/12/2025 05:00	14.5	333510.6	32.50	0.28	2.18	0.87
24/12/2025 06:00	14.5	332782.5	31.95	0.28	2.39	0.91
24/12/2025 07:00	14.6	341699.7	32.65	0.35	1.97	0.90
24/12/2025 08:00	14.6	345946.6	33.06	0.31	1.47	0.90
24/12/2025 09:00	14.6	343776.1	33.97	0.27	0.75	0.73
24/12/2025 10:00	14.6	339464.1	33.79	0.24	0.09	0.71
24/12/2025 11:00	14.6	338349.0	33.99	0.24	0.00	0.69
24/12/2025 12:00	14.7	304631.0	38.16	0.16	0.00	0.64
24/12/2025 13:00	14.8	370980.4	38.04	0.11	0.59	0.61
24/12/2025 14:00	14.8	372004.5	39.09	0.16	0.66	0.59
24/12/2025 15:00	14.8	371956.1	39.18	0.11	0.45	0.59
24/12/2025 16:00	14.8	374683.8	39.32	0.14	0.52	0.59
24/12/2025 17:00	14.8	372189.3	39.19	0.18	0.66	0.63
24/12/2025 18:00	14.7	367962.6	37.96	0.11	0.96	0.63
24/12/2025 19:00	14.7	370471.4	36.62	0.18	1.36	0.69
24/12/2025 20:00	14.6	369606.6	36.35	0.13	1.62	0.82
24/12/2025 21:00	14.7	364554.8	36.38	0.20	1.67	0.82
24/12/2025 22:00	14.6	365297.2	36.24	0.18	1.82	0.84
24/12/2025 23:00	14.6	359210.2	36.88	0.20	2.35	0.82
25/12/2025 00:00	14.6	379058.6	35.89	0.24	3.08	0.84
25/12/2025 01:00	14.6	378688.9	36.16	0.22	3.19	0.80
25/12/2025 02:00	14.6	378492.6	36.62	0.24	3.22	0.82
25/12/2025 03:00	14.7	378225.3	37.23	0.24	3.22	0.80
25/12/2025 04:00	14.7	378333.4	37.36	0.24	3.16	0.80
25/12/2025 05:00	14.7	378333.3	37.52	0.20	3.09	0.80
25/12/2025 06:00	14.6	378048.9	36.97	0.24	2.98	0.82
25/12/2025 07:00	14.7	378094.4	37.07	0.22	2.80	0.87
25/12/2025 08:00	14.7	380645.9	38.30	0.13	2.33	0.81

Site Name: GULF_BL
Stack Name: HRSO_STACK2
Periodically: 01/12/2025 00:00-31/12/2025 23:59

Date & Time	Actual Operation Condition		Emission Concentration for Standardization Comparison			
	O2	FLOW @1 ATM 25C	HRSO1 NOx@7%O2	HRSO1 SOx@7%O2	HRSO1 Dust (7%O2)	HRSO1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
25/12/2025 09:00	14.7	382227.4	39.15	0.14	1.71	0.70
25/12/2025 10:00	14.7	383550.0	41.27	0.09	1.24	0.68
25/12/2025 11:00	14.7	380304.6	40.22	0.11	1.19	0.63
25/12/2025 12:00	14.7	303752.0	41.95	0.07	0.07	0.54
25/12/2025 13:00	14.8	368557.0	39.38	0.05	1.09	0.59
25/12/2025 14:00	14.8	369680.6	41.70	0.02	1.07	0.62
25/12/2025 15:00	14.8	368995.0	41.77	0.02	1.08	0.62
25/12/2025 16:00	14.8	371222.2	41.56	0.02	0.82	0.69
25/12/2025 17:00	14.8	367689.4	40.11	0.05	0.91	0.66
25/12/2025 18:00	14.8	364287.5	38.45	0.07	0.61	0.70
25/12/2025 19:00	14.7	366181.9	38.28	0.05	1.26	0.72
25/12/2025 20:00	14.7	366184.7	37.95	0.04	1.66	0.74
25/12/2025 21:00	14.7	362040.4	38.42	0.04	1.73	0.72
25/12/2025 22:00	14.7	362361.7	38.07	0.04	1.88	0.78
25/12/2025 23:00	14.7	360595.4	39.32	0.04	1.59	0.72
26/12/2025 00:00	14.7	379021.7	39.41	0.09	1.59	0.67
26/12/2025 01:00	14.7	378580.8	38.77	0.07	1.81	0.72
26/12/2025 02:00	14.7	378145.6	38.89	0.09	2.32	0.71
26/12/2025 03:00	14.7	378177.0	39.87	0.09	2.46	0.69
26/12/2025 04:00	14.7	378285.0	39.47	0.09	2.81	0.65
26/12/2025 05:00	14.7	378791.3	38.87	0.09	3.25	0.65
26/12/2025 06:00	14.7	379280.5	38.74	0.09	3.65	0.67
26/12/2025 07:00	14.7	379584.8	38.40	0.18	3.37	0.65
26/12/2025 08:00	14.7	379690.1	38.71	0.11	3.02	0.63
26/12/2025 09:00	14.7	380990.0	39.08	0.09	2.42	0.63
26/12/2025 10:00	14.7	381530.6	39.16	0.04	1.75	0.63
26/12/2025 11:00	14.7	383046.6	38.78	0.07	1.30	0.63
26/12/2025 12:00	14.7	322795.5	39.23	0.02	0.16	0.64
26/12/2025 13:00	14.7	359352.4	35.51	0.02	0.69	0.67
26/12/2025 14:00	14.7	358052.4	36.61	0.05	0.41	0.65
26/12/2025 15:00	14.7	358046.8	37.28	0.02	0.36	0.63
26/12/2025 16:00	14.7	357634.3	37.73	0.02	0.27	0.63
26/12/2025 17:00	14.7	350668.2	36.90	0.02	0.13	0.67
26/12/2025 18:00	14.7	349662.0	35.90	0.02	0.36	0.71
26/12/2025 19:00	14.6	348079.8	35.08	0.07	0.62	0.71
26/12/2025 20:00	14.6	347263.4	35.27	0.02	0.73	0.80
26/12/2025 21:00	14.6	345221.1	34.74	0.07	0.70	0.82
26/12/2025 22:00	14.6	343639.6	35.60	0.04	1.85	0.77
26/12/2025 23:00	14.6	360817.4	37.59	0.04	2.80	0.75
27/12/2025 00:00	14.7	376458.9	39.18	0.02	3.08	0.71
27/12/2025 01:00	14.7	375895.6	38.87	0.04	3.21	0.69
27/12/2025 02:00	14.7	375742.0	38.72	0.04	3.36	0.69
27/12/2025 03:00	14.7	376256.9	38.59	0.07	3.51	0.69
27/12/2025 04:00	14.7	376413.4	38.61	0.07	3.67	0.67
27/12/2025 05:00	14.7	377041.9	38.56	0.07	4.00	0.69
27/12/2025 06:00	14.7	376507.2	38.39	0.07	4.18	0.71
27/12/2025 07:00	14.7	377460.1	38.02	0.20	3.90	0.67
27/12/2025 08:00	14.7	378688.9	38.82	0.09	3.26	0.69
27/12/2025 09:00	14.7	379405.7	39.39	0.04	2.85	0.72
27/12/2025 10:00	14.7	380492.2	39.83	0.02	2.59	0.70
27/12/2025 11:00	14.8	381388.2	40.37	0.02	2.83	0.63
27/12/2025 12:00	14.8	382531.7	40.56	0.02	2.86	0.59
27/12/2025 13:00	14.8	383191.7	40.79	0.02	3.32	0.59
27/12/2025 14:00	14.8	383188.8	41.06	0.02	3.58	0.62
27/12/2025 15:00	14.8	383476.1	41.63	0.02	3.55	0.59
27/12/2025 16:00	14.6	340458.1	38.64	0.02	1.88	0.62
27/12/2025 17:00	14.8	298044.0	45.27	0.00	0.86	0.52
27/12/2025 18:00	14.6	330211.0	32.95	0.00	1.86	0.79
27/12/2025 19:00	14.6	331351.7	34.23	0.00	2.25	0.75
27/12/2025 20:00	14.6	330378.9	34.44	0.00	2.11	0.75
27/12/2025 21:00	14.6	325819.2	35.45	0.00	2.33	0.77
27/12/2025 22:00	14.7	391065.1	40.83	0.00	6.86	0.76
27/12/2025 23:00	14.9	351048.9	43.32	0.39	5.21	5.24
28/12/2025 00:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
28/12/2025 01:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down

Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/12/2025 00:00-31/12/2025 23:59

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Site Name: GULF_BL
Stack Name: HRSG_STACK2
Periodically: 01/12/2025 00:00-31/12/2025 23:59

	Actual Operation Condition		Emission Concentration for Standardization Comparison			
Date & Time	O2	FLOW @1 ATM 25C	HRSG1 NOx@7%O2	HRSG1 SOx@7%O2	HRSG1 Dust (7%O2)	HRSG1 CO@7%O2
	%	m3/hr	ppm	ppm	mg/m3	ppm
30/12/2025 19:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
30/12/2025 20:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
30/12/2025 21:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
30/12/2025 22:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
30/12/2025 23:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 00:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 01:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 02:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 03:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 04:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 05:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 06:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 07:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 08:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 09:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 10:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 11:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 12:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 13:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 14:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 15:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 16:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 17:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 18:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 19:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 20:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 21:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 22:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
31/12/2025 23:00	Shut down	Shut down	Shut down	Shut down	Shut down	Shut down
Minimum	14.42	295,847.30	23.99	0.00	0.00	0.52
Maximum	14.90	391,065.10	48.41	1.36	23.09	5.24
Avg	14.61	347,330.50	33.99	0.47	7.88	0.91
SUM						
STD			STD = 60	STD = 6	STD = 28	STD = 690

ภาคผนวก ข-5

เอกสารแจ้งขอเชื่อมโยงข้อมูลผลการตรวจวัดคุณภาพ
สิ่งแวดล้อมแบบต่อเนื่อง (Online Monitoring)

ที่ GBL O 0418/040

4 เมษายน 2561

สำเนา	เอกสารกรมบ้านหว่า
วันที่	04/03/61
วันที่	4 / เม.ย. / 2561
เวลา	13.25 น.

เรื่อง ขอทำการเชื่อมต่อและทดสอบสัญญาณการส่งข้อมูลคุณภาพอากาศจากปล่องแบบอัตโนมัติอย่างต่อเนื่อง (CEMs) ไปยังศูนย์ปฏิบัติการการนิคมอุตสาหกรรมแห่งประเทศไทย (กนอ.)

เรียน ผู้อำนวยการนิคมอุตสาหกรรมบ้านหว่า(ไสเทค) การนิคมอุตสาหกรรมแห่งประเทศไทย

อ้างถึง ประกาศคณะกรรมการนิคมอุตสาหกรรม แห่งประเทศไทย เรื่อง กำหนดประเภทโรงงานในนิคมอุตสาหกรรมที่ต้องติดตั้งเครื่องมือหรืออุปกรณ์พิเศษเพื่อตรวจสอบคุณภาพอากาศจากปล่องแบบอัตโนมัติ พ.ศ. 2553

ตามที่อ้างถึงประกาศคณะกรรมการนิคมอุตสาหกรรม แห่งประเทศไทย เรื่อง กำหนดประเภทโรงงานในนิคมอุตสาหกรรมที่ต้องติดตั้งเครื่องมือหรืออุปกรณ์พิเศษเพื่อตรวจสอบคุณภาพอากาศจากปล่องแบบอัตโนมัติ (Continuous Emission Monitoring System; CEMs) โดยประกาศดังกล่าวกำหนดให้โรงงานผลิตพลังงานไฟฟ้าทุกขนาดที่ตั้งอยู่ในนิคมอุตสาหกรรมต้องรายงานผลการตรวจวัดคุณภาพอากาศจากปล่องต่อศูนย์รับข้อมูลของสำนักงานนิคม หรือที่การนิคมอุตสาหกรรมแห่งประเทศไทย (กนอ.) กำหนดความละเอียดแจ้งแล้วนั้น

บริษัท กัลฟ์ บีแอล จำกัด ประกอบกิจการผลิตไฟฟ้าและไอน้ำ ตั้งอยู่ที่นิคมอุตสาหกรรมบ้านหว่า(ไสเทค) เลขที่ 777 หมู่ที่ 1 ตำบลบ้านเลน อำเภอบางปะอิน จังหวัดพระนครศรีอยุธยา 13160 ทั้งนี้ทางบริษัทฯ มีความประสงค์ที่จะเชื่อมต่อผลการตรวจวัดเครื่องตรวจวัดความเข้มข้นของมลพิษทางอากาศจากปล่องแบบต่อเนื่อง (CEMs) ในวันที่ 23 สิงหาคม 2561 เพื่อส่งผลตรวจวัดไปยังศูนย์ปฏิบัติการ การนิคมอุตสาหกรรมแห่งประเทศไทย ทั้งนี้ทางบริษัทฯ ขอความอนุเคราะห์เข้าไปประสานงานเจ้าหน้าที่ศูนย์ปฏิบัติการ การนิคมอุตสาหกรรมแห่งประเทศไทย ในวันที่ 24 พฤษภาคม 2561 บริษัทฯ ขอขอบพระคุณในความอนุเคราะห์มา ณ โอกาสนี้

จึงเรียนมาเพื่อโปรดพิจารณาดำเนินการในส่วนที่เกี่ยวข้องต่อไป

ได้รับต้นฉบับหนังสือไว้แล้ว	ขอแสดงความนับถือ
ลงชื่อ.....	
(.....)	
วันที่.....	

ผู้จัดการโครงการก่อสร้างโรงไฟฟ้าบ้านเลน

ผู้ประสานงาน: คุณแสงเพชร ตั้งชัย โทรศัพท์ โทรทัศน์ 08 1604 4473 email: sangpetch.tu@gulf.co.th

ที่ GBL O 1218 / 174

20 ธันวาคม 2561

สำเนา	นิคมอุตสาหกรรมบ้านหว่า
วันที่	7/50/61
วันที่	19 ธ.ค. 2561
เวลา	9.00 น.

เรื่อง แจ้งเรื่องติดตั้งระบบ Online Monitoring เพื่อตรวจสอบอุณหภูมิ ค่าความเป็นกรด-ด่าง ค่าการนำไฟฟ้า และค่าออกซิเจนละลายน้ำ บริเวณบ่อพักน้ำหล่อเย็นของโรงไฟฟ้าฯ และการรายงานผลไปยังศูนย์ควบคุมน้ำเสียของนิคมอุตสาหกรรมบ้านหว่า (ไสเทค)

เรียน ผู้อำนวยการนิคมอุตสาหกรรมบ้านหว่า(ไสเทค) การนิคมอุตสาหกรรมแห่งประเทศไทย

สิ่งที่ส่งมาด้วย 1.รูปแสดง link webpage ระบบ Online Monitoring

บริษัท กัลฟ์ บีแอล จำกัด ประกอบกิจการผลิตไฟฟ้า ตั้งอยู่ที่นิคมอุตสาหกรรมบ้านหว่า (ไสเทค) เลขที่ 777 หมู่ที่ 1 ตำบลบ้านเลน อำเภอบางปะอิน จังหวัดพระนครศรีอยุธยา 13160 ได้ทำการติดตั้งระบบ Online Monitoring เพื่อตรวจสอบอุณหภูมิ ค่าความเป็นกรด-ด่าง ค่าการนำไฟฟ้า และค่าออกซิเจนละลายน้ำ บริเวณบ่อพักน้ำหล่อเย็นของโรงไฟฟ้าฯ และการรายงานผลไปยังศูนย์ควบคุมน้ำเสียของนิคมอุตสาหกรรมบ้านหว่า (ไสเทค) นั้น ทางโรงไฟฟ้าฯ ขอแจ้งว่า ระบบ online monitor ได้ดำเนินการติดตั้งเสร็จเรียบร้อยแล้ว พร้อมใช้งานแล้ว โดยทางนิคมฯ สามารถเข้าใช้งานผ่าน Link Webpage: <https://203.172.102.115/GBLlandingpage>

กรณีที่มีปัญหา หรือขอข้อมูลเพิ่มเติมสามารถติดต่อกลับได้ที่ คุณอดิศักดิ์ เชิดชูวงศ์ธนากร เบอร์ 081-8062313, Email address: Adisak.che@gulf.co.th

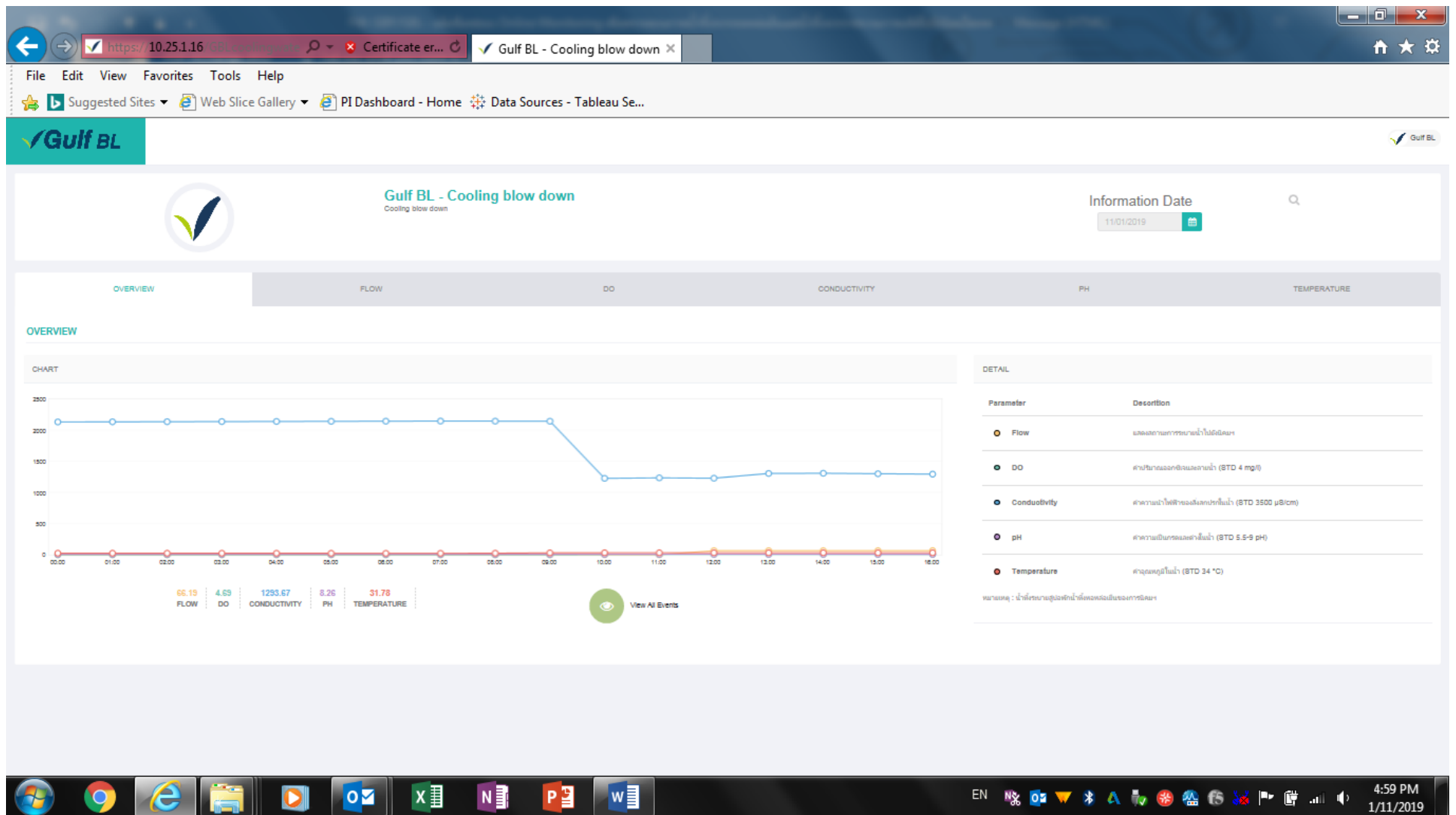
จึงเรียนมาเพื่อโปรดพิจารณา

ขอแสดงความนับถือ

ได้รับต้นฉบับหนังสือไว้แล้ว
ลงชื่อ.....ผู้รับ
(.....)
วันที่.....

ผู้จัดการโรงไฟฟ้า

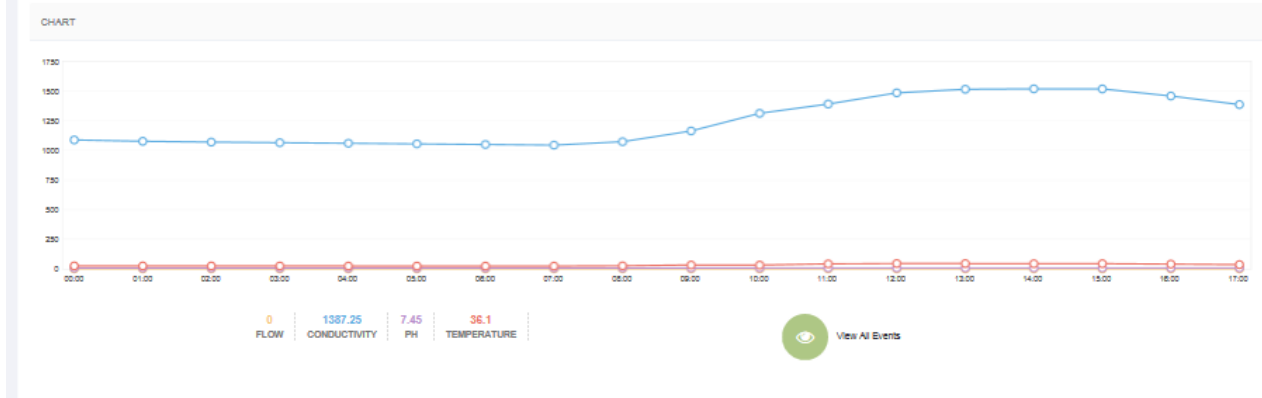
รูปภาพ web page online monitoring



Gulf BL - Waste Water
 Waste Water
 Information Date
 11/01/2019

OVERVIEW FLOW CONDUCTIVITY PH TEMPERATURE

OVERVIEW





DETAIL

Parameter	Description
Flow	แสดงสถานะการทำงานของปั๊มไม่ติดลบ
Conductivity	ความนำไฟฟ้าของน้ำเสีย (STD 3500 $\mu\text{S}/\text{cm}$)
PH	ค่าความเป็นกรดเบสของน้ำเสีย (STD 5-9 pH)
Temperature	ค่าอุณหภูมิของน้ำเสีย (STD 45 $^{\circ}\text{C}$)

หมายเหตุ : น้ำทิ้งจากกระบวนการผลิตน้ำดื่มส่วนมากจะลดลง

Emonitor - IEAT
Not secure | emonitor.dyndns.org/ieat/index.php/cems

Apps
New Tab
https://www.sothaila
ค้นหาแปลง - การแปลง
NEW NGBILLING LOC
Gulf- EHS Manager
biztogether: ไฟฟ้าเชื้อ
ศูนย์รวมข้อมูลเพื่อติดต่อ
Dashboard
Emonitor - IEAT




ระบบเฝ้าระวังด้านสิ่งแวดล้อม
EMCC I-EA-T

หน้าหลัก
เกี่ยวกับศูนย์
กฎหมายที่เกี่ยวข้อง
แผนผัง
เข้าสู่ระบบ

รายงานสถานการณ์

ระบบตรวจวัดคุณภาพอากาศในบรรยากาศ (AQMS)
ระบบตรวจวัดคุณภาพน้ำ (PWMS)
ระบบตรวจสอบคุณภาพอากาศจากปล่องแบบอัตโนมัติต่อเนื่อง (CEMS)
ระบบตรวจวัดปริมาณการอินทรีย์ระเหยง่ายในอากาศแบบต่อเนื่อง (VOCs)

ลิงค์ที่เกี่ยวข้อง


กรมโรงงานอุตสาหกรรม
DEPARTMENT OF INDUSTRIAL WORKS
การนิคมอุตสาหกรรมแห่งประเทศไทย
Industrial Estate Authority of Thailand
www.ieat.go.th


กรมอุตสาหกรรมต้นน้ำ
การนิคมอุตสาหกรรมภาคตะวันออก

CEMS:
นิคมฯ บ้านหว้า
นิคมฯ กอล์ฟ มีแอล (Gulf BL)

แผนที่
ดาวเทียม

สถานที่ : นิคมฯ กอล์ฟ มีแอล (Gulf BL)
ข้อมูลล่าสุด : 2019-01-11 17:00

สารมลพิษ	ข้อมูล	EIA หน่วย	สถานะ
HRSG11-NOX7%	52.49	- ppm	
HRSG11-O2	14.35	- %Vol	
HRSG12-NOX7%	30.47	- ppm	
HRSG12_O2	14.33	- %Vol	

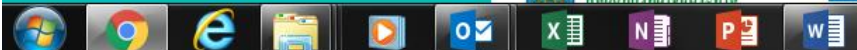
สถานะแสดงข้อมูล
สถานะ

ปกติ
ผลการตรวจปกติ

ตรวจพบค่าสูง
ผลการตรวจค่าสูง

ค่าเฉลี่ยค่าการปล่อยมลพิษตามมาตรฐาน

ค่าเฉลี่ยค่าการปล่อยมลพิษตามมาตรฐาน



EN
50%

5:02 PM
1/11/2019

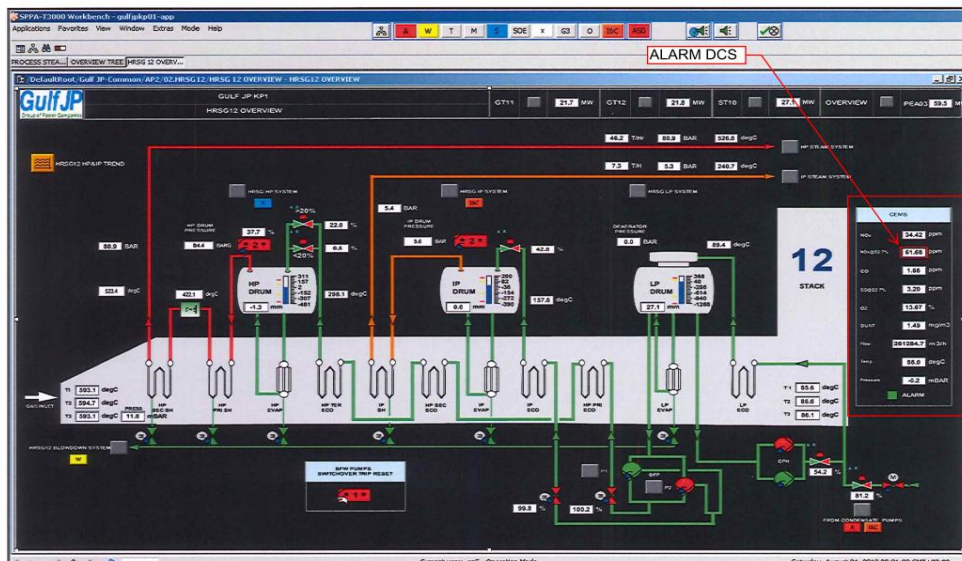
ภาคผนวก ข-6

ขั้นตอนการควบคุมมลพิษจากปล่องระบายอากาศ

ขั้นตอนการควบคุมมลพิษจากปล่องระบายอากาศ

ลำดับ	Flow Diagram	ผู้รับผิดชอบ	หมายเหตุ
1	<p>ตรวจสอบค่าที่อ่านได้จากเครื่องCEMs ที่ห้อง Control room ว่าค่าอยู่ในเกณฑ์ที่กำหนดหรือไม่ หรือมีการแจ้งเตือนจากระบบเมื่อมีแนวโน้มสูงเกินมาตรฐาน หรือไม่</p> <pre> graph TD Start([]) --> Check{ } Check -- ไม่มี --> Log1[บันทึกและรายงานตามรอบการจัดทำรายงาน(ประจำวัน,เดือน)] Check -- มี --> Inspect[ตรวจสอบสภาพการเดินเครื่องของเครื่องกังหันก๊าซ และการแจ้งเตือนชั่วคราวหรือไม่] Inspect -- ใช่ --> Log1 Inspect -- ไม่ใช่ --> Repair[แจ้งส่วนงานบำรุงรักษาให้ตรวจสอบ แก้ไข] Repair -- ได้ --> Log1 Repair -- ไม่ได้ --> Shutdown[ลดกำลังการผลิต หรือหยุดเดินเครื่องกังหันก๊าซ เพื่อดำเนินการแก้ไขและหาสาเหตุจนกว่าจะแก้ไขได้] </pre>	Shift leader	<ul style="list-style-type: none"> - NOx 60 ppm - SO₂ 6 ppm - TSP 28 mg/m3 - คิดที่สภาวะปกติ อุณหภูมิ 25 องศาเซลเซียส ความดัน 1 บรรยากาศ ปริมาณเชื้อเพลิงส่วนเกิน ในการเผาไหม้อยู่ 7
2		Shift leader	<ul style="list-style-type: none"> - ในช่วงการเปลี่ยนแปลงโหลดอาจมีแนวโน้มสูง หรือต่ำในระยะสั้นๆ - รายงานตามรูปแบบที่บริษัทกำหนด - เครื่องกังหันก๊าซสามารถ ปรับแต่งได้บ้าง แต่ได้ออกแบบให้เผื่อให้เป็นแบบ dry low NOx ทำให้ในช่วงกำลังผลิตไฟฟ้าของเครื่องกังหันก๊าซ ค่า emission ไม่เกินมาตรฐานกำหนด
3		Shift leader/ Maintenance	<ul style="list-style-type: none"> - การแจ้งเตือนตรวจสอบ/ซ่อมในระบบ SAP - รายงานตามรูปแบบที่บริษัทกำหนด
4		Shift leader/ Maintenance	<ul style="list-style-type: none"> - กรณีที่เกิดจากเครื่องมือวัดค่า emission error ให้คงกำลังผลิตของเครื่องกังหันก๊าซไว้ไม่เกินกำลังผลิต เทียบกับค่าเดิมช่วงที่มีการทวนสอบ CEMs และแจ้งหน่วยงานที่เกี่ยวข้องทราบ

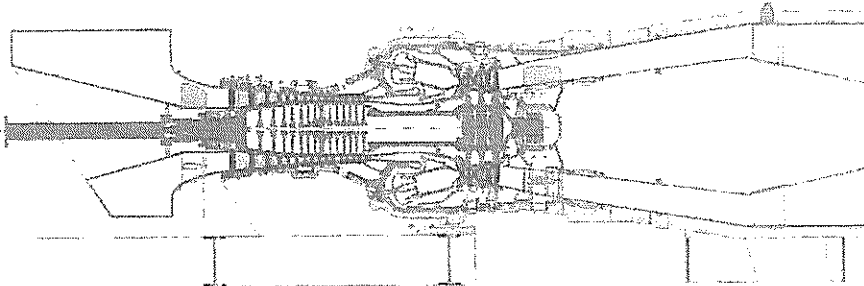
ภาพแสดงหน้าจอที่ห้องควบคุมใช้สำหรับใช้ตรวจสอบ



ภาคผนวก ข-7

เอกสารการออกแบบระบบ Dry Low NO_x Combustion

SYSTEM DESCRIPTION MBA10 GAS TURBINE SYSTEM	Respons. dept OET	Date 2015-03-24	Reg. DB101
	Prepared B. Svensson		GVTP BD000241
Table of Contents			
PURPOSE OF THE SYSTEM 2			
GENERAL DESCRIPTION OF THE SYSTEM 2			
MAIN COMPONENTS 3			
INLET HOUSING 3			
COMPRESSOR (FIFTEEN STAGES) 5			
COMBUSTOR (ANNULAR TYPE) 6			
TURBINE (THREE STAGES) 8			
BEARINGS 10			
COOLING AND SEALING AIR 11			
COMPONENTS 12			
TEST INSTRUMENTATION 21			
FUNCTION 22			
START UP 22			
CONTINUOUS OPERATION 22			
TURBINE STOP 22			
BARRING 22			
STAND STILL 23			
DISTURBANCES 23			
GAS TURBINE TRIP 23			
GENERATOR BREAKER TRIP 23			
LOSS OF POWER SUPPLY 23			
SYSTEM FAULTS 23			
OTHER FAULTS 23			
TECHNICAL SPECIFICATION 24			
DESIGN CRITERIA AND STANDARDS 24			
DIMENSIONING DATA 24			
INSTALLATION 24			
COMPONENT DATA 24			
INDEX OF COMPONENTS 25			
Approved 2015-03-26 Markku Kanala	Latest revision C) Added MBA10CG030, MBA10CT026, MBA1CT027 and MBA10FT915. /2015-06-24 / BS		Archive No. 1CS157686
Checked 2015-03-26 Fredrik Grönvall			

SYSTEM DESCRIPTION MBA10 GAS TURBINE SYSTEM	Respons. dept OET	Date 2015-03-24	Reg. DB101
	Prepared B. Svensson		GVTP BD000241
PURPOSE OF THE SYSTEM			
The gas turbine generates a flow of pressurised hot gas which is converted into mechanical energy, which is driving a generator via a gear box.			
			
Figure 1, SGT-800 Gas Turbine			
GENERAL DESCRIPTION OF THE SYSTEM			
Refer to P&ID: 2914483			
The SGT-800 Gas Turbine operates in a simple open cycle with straight air and gas flow through the turbine. It can be divided into three main sections, the compressor, the combustor and the turbine. The compressor draws filtered air from the ambient and compresses it. The compressed air enters the combustor where it is heated by the fuel. The hot gas is expanded through the turbine which drives the compressor and external load. The hot gas is exhausted in the exhaust diffuser. The three main sections are mechanically interconnected, but are modularised and can be handled separately. The output of the unit is controlled by the firing temperature and the gas flow through the turbine. The continuous rotor speed is 6600 rpm.			
Approved 2015-03-26 Markku Kanala	Latest revision C) Added MBA10CG030, MBA10CT026, MBA1CT027 and MBA10FT915. /2015-06-24 / BS		Archive No. 1CS157686
Checked 2015-03-26 Fredrik Grönvall			

SYSTEM DESCRIPTION
MBA10
GAS TURBINE SYSTEM

Respons. dept Date
OET 2015-03-24

Reg.
DB101

Prepared
B. Svensson

GVTP
BD000241

MAIN COMPONENTS

Inlet housing

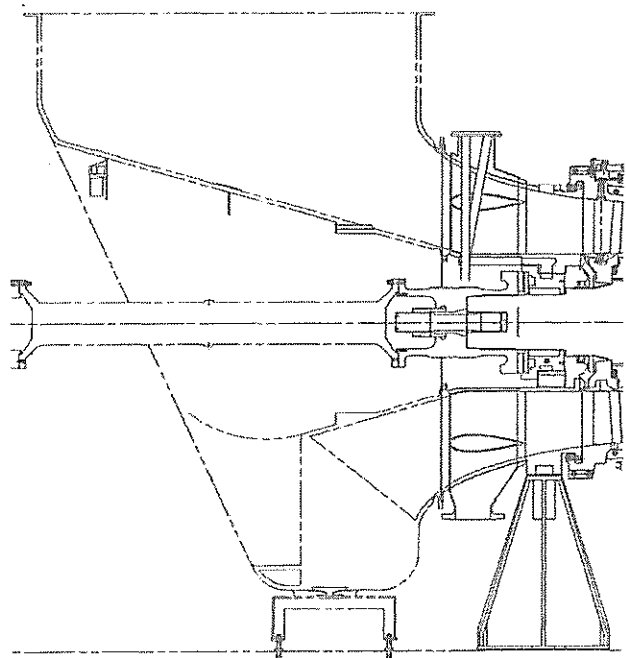


Figure 2, Inlet housing section

The inlet housing consists of the inlet casing and the inlet piece which smoothly directs the incoming air to the first compressor stage. The inlet casing is equipped with a view glass and made of composite which is light and has a built in noise reduction capability. The inlet housing also contains the compressor wash nozzles, see system description for compressor washing system SDB. The inlet piece contains bearing housing no.1 and the quill shaft, connecting the gearbox to the rotor. The inlet piece has seven load-carrying hollowed struts, which also contain lube oil pipes to the bearings as well as electric cables for the speed and optional vibration transducers. They also convey seal- and oil ventilation air. Standard vibration transducers are located on the outside of the casing. Absolute axial displacement of the rotor is measured. The inlet housing is bolted to the compressor casing.

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B. Svensson

GVTP
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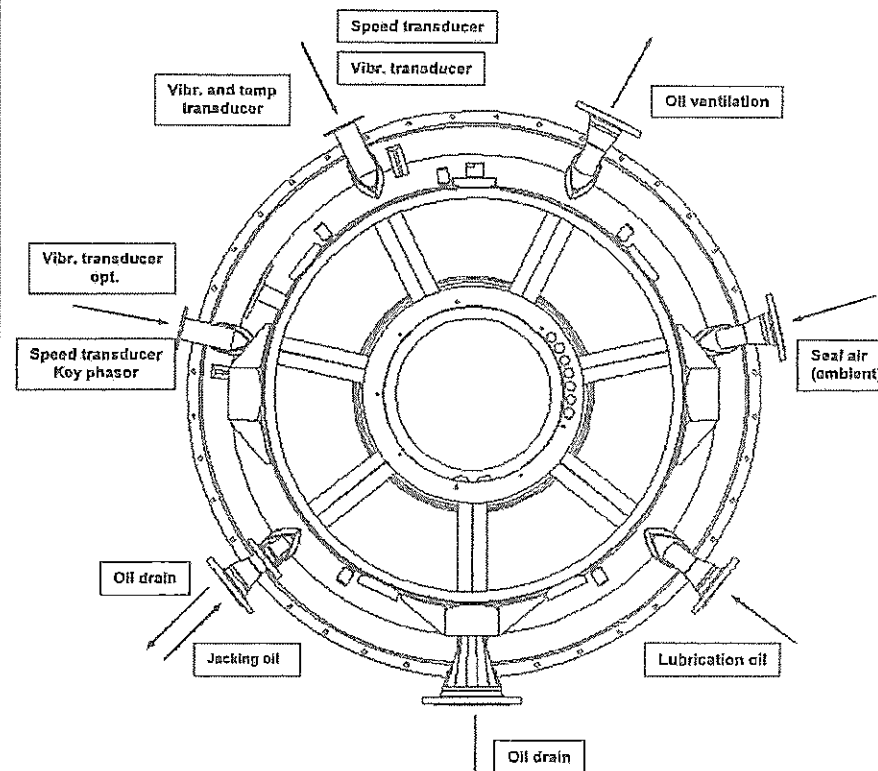


Figure 3, Inlet piece

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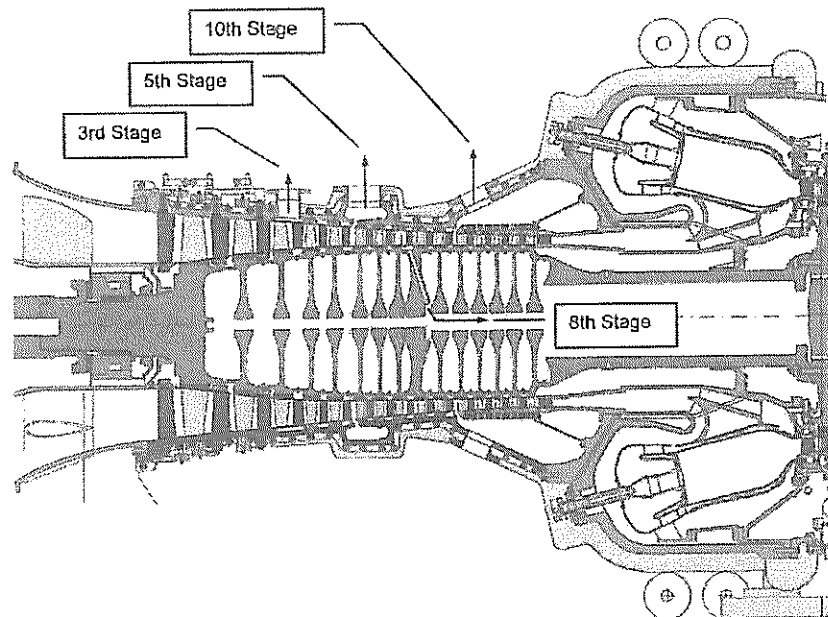
Compressor (fifteen stages)

Figure 4, Compressor section

The fifteen stage axial flow compressor has three major parts, a rotor, a pressurised casing covering the first ten stages and an inner casing carrying the rear stages.

The first three rows of guide vanes are variable, actuated by a spindle control mechanism and a variable speed electrical motor.

There are holes and slots for extracting air downstream, after stage 3, 5, 8 (internal) and 10. Regarding the use of extraction air from stage 3, 5 and 10, see system MBH10. The air cooling cavities between turbine discs 1/2 and 2/3 respectively, as well as cooling for the second blade, is supplied from the 8th stage extraction.

The compressor casing, covering the whole compressor section, is vertically split to facilitate service and replacement of components. The casing carries the guide vanes for the ten first stages and contains the rear compressor guide vane carrier.

The rear inner compressor stator, that carries the guide vane stages 11-14, is made material with low thermal expansion to allow small tip clearances and high performance.

The guide vanes have a segmented design and are fitted in the casing by tangential grooves. The compressor has a total of eighteen plugged boroscope holes. Boroscope inspection can be performed on all stages except stage 7 and 15.

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The compressor rotor is built up from a number of fully electron beam welded discs, onto which the intermediate shaft is welded. The first four rotor blades are made from chromium steel in order to be corrosion resistant. The blading is uncoated and has a high surface smoothness for low deterioration. The rotor blades are fitted to the disc in dove tail shaped slots.

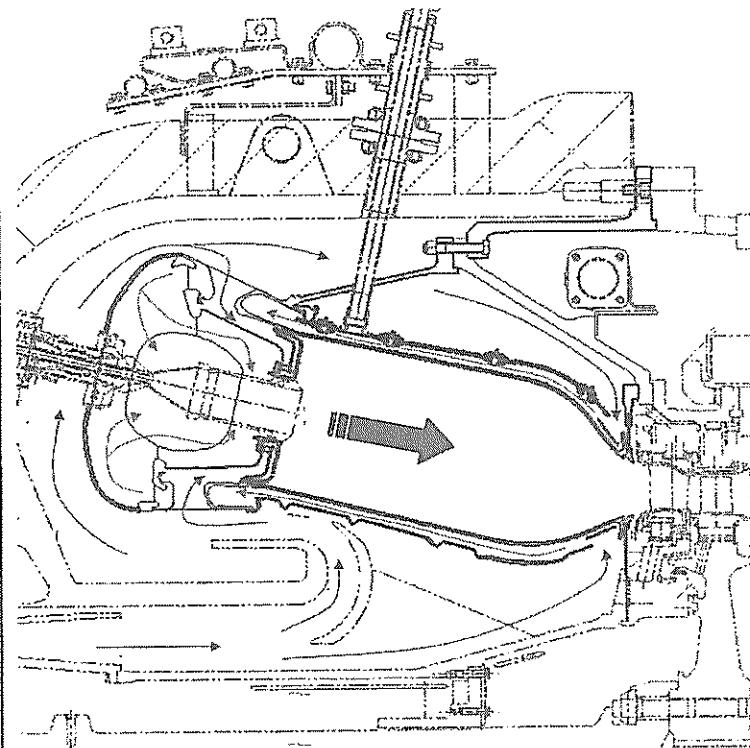
Combustor (annular type)

Figure 5, Combustor section

The combustor consists of the central casing and the combustion chamber. The central casing is a circular design containing the compressor diffuser, guiding and dividing the flow from the compressor discharge around the combustion chamber, to the cooling air entrances. The combustion chamber is of annular type (covering the whole circumference). The operating principle of the combustion chamber wall cooling is similar to a counter flow heat exchanger. The air enter through slots near the turbine inlet, cools the combustion chamber wall by convection, enters the burners through a hood and mixes with fuel and combustion takes place. The hot combustion gases then expand through the turbine. The cooling of both the liners and the front panel (were the

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burners is located) is based on a non-dilutive design. This means that all air goes through the burners and takes part in the combustion. However, a small portion of the air enters the combustor through the damping holes on the front panel to reduce combustion dynamics. Fuel is injected into the burners by 30 fuel injectors with full dual fuel Dry Low Emission (DLE) capabilities. Burner 26 is used as a ignition burner and the ignition is provided by a spark igniter and a spark plug. During ignition burner 26 are supplied with ignition gas from a separate system. When the ignition flame is detected by the flame detector fuel is supplied to the remaining burners and burner 26 is switched from the ignition gas system to the main fuel system.

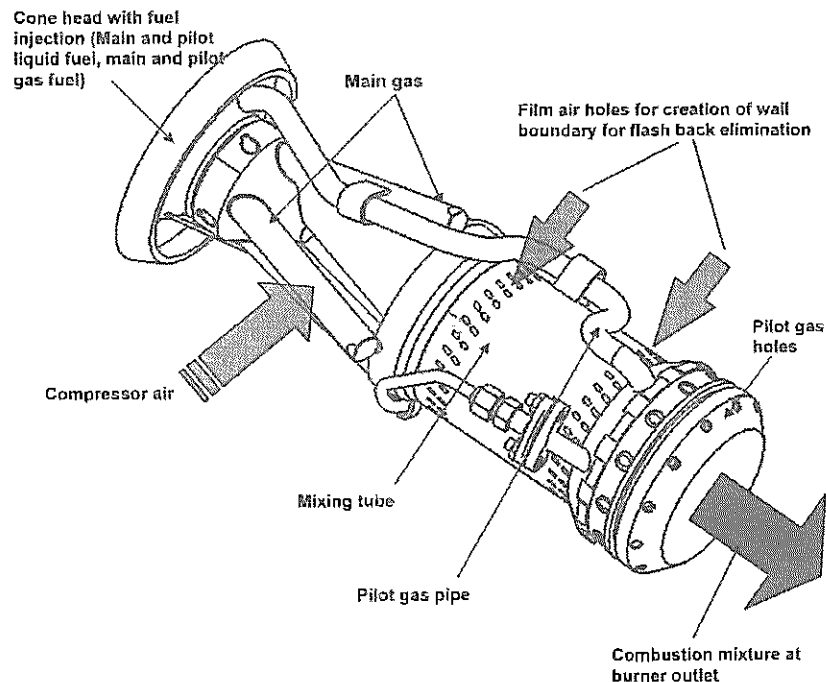


Figure 6, DLE Burner 3rd generation

There are two flame detectors in the combustion chamber. The flame detectors are located on the upper half of the annulus, both indicating main flame. There are a total of 44 access holes for inspection of the combustor. When operating on gaseous or liquid fuels, the burners are working according to the lean premixed combustion principle. This principle will ensure a low flame temperature and the formation of small amount of thermal nitrite oxides and carbon monoxide. Injection of steam or water is not required from combustion point of view and is not a power boosting option for this gas turbine.

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The hot gas side of the combustion chamber is protected by Thermal Barrier Coating (TBC) for life extension. At the combustor wall there are 3 pipes connected to 3 sensors outside the central casing. The sensors monitor/measure the fluctuations (pulsations) in the dynamic pressure. For more information, see system description MBX – Pulsation monitoring system.

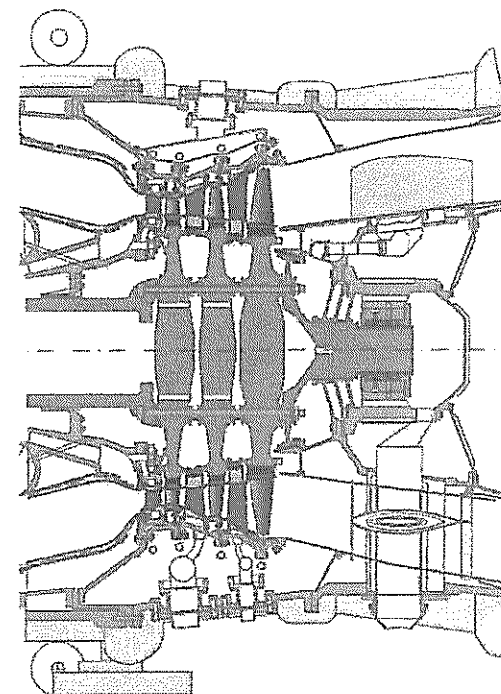
Turbine (three stages)

Figure 7, Turbine section

The three-stage turbine comprises:

- the stator which is carrying the guide vanes
- the rotor assembly, bolted to the intermediate shaft
- the outlet casing

The guide vanes inner surfaces have honeycomb seals to prevent gas leakage, while outside first and second blade abradable seals are used to withstand slight tip rubbing. A honeycomb seal is used for the third blade.

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The rotor blades as well as the guide vanes are precision cast. Stage one and two are internally cooled and stage one has a film cooling (see section "Cooling and sealing air"). The surfaces on the first and second stage are coated for corrosion protection and life extension. Blades are unshrouded, except for stage three. The third guide vane is a double vane while stage one and two are single. The rotor blades are fitted to the disc in fir-tree shaped slots.

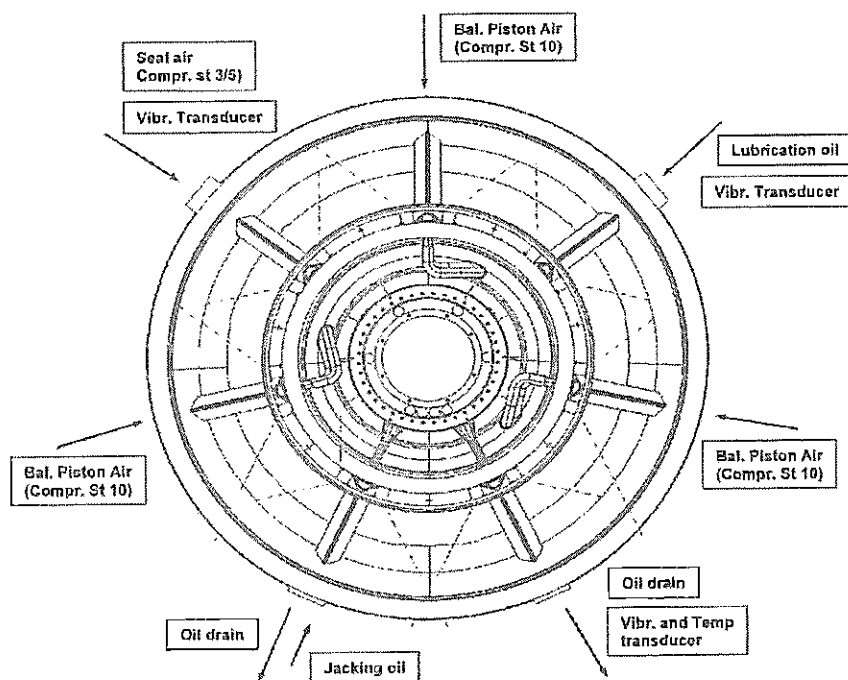


Figure 8, Turbine outlet casing

The turbine stator has a cylindrical ring design. Operating at higher temperatures the casing circularity can be maintained and the turbine running clearances and aerodynamic losses be kept at a minimum. The turbine stator flanges are cooled to reduce clearance and improve efficiency.

The outlet casing contains bearing housing no.2 and has seven insulated load-carrying hollowed struts, which also contain lube oil pipes to the bearings as well as electric cables for vibration transducers. They are also used to convey seal air.

There is no separate oil mist pipe, instead the waste air is taken out by the oil drain. The outlet casing is mounted to the turbine casing and connected to the turbine diffuser via a bellow.

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Bearings

The gas turbine rotor is carried by two bearings, no 1 and 2 numbered from the inlet to the exhaust. Both bearing casings are kept sub atmospheric. Bearing no 1 is a combined thrust bearing and journal bearing both of tilting pad type. Bearing no 2 is a journal bearing of tilting pad type. The journal bearings are both of the 5-segment type and the thrust bearing has 10 pads. The thrust bearing has also 17 smaller support pads on the opposite side. The bearings are equipped with temperature sensors and vibration pick-ups, the latter being horizontal and vertically fitted on the outside of the bearing housing. During operation, oil is continuously supplied to the bearings. Return oil from the bearing casings is led back to the lube oil tank by gravity. See also the lubrication oil system description, MBV.

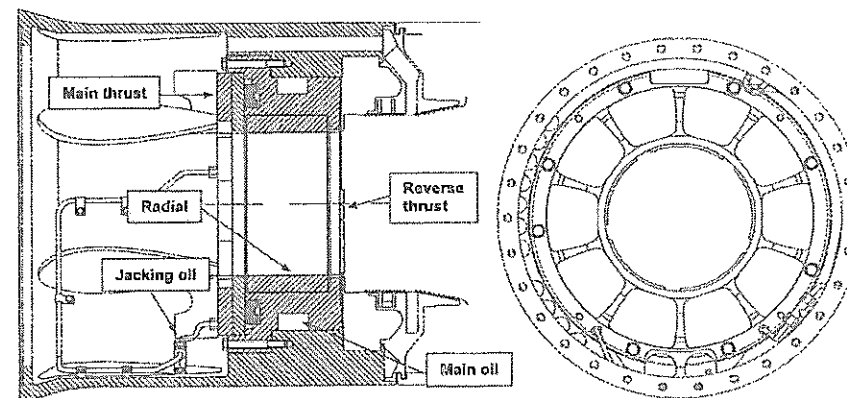


Figure 9, Bearing #1 in housing

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BD000241**Cooling and sealing air**

At a number of locations air from the compressor is used for cooling and sealing purposes. The air is taken from six different pressure levels, depending of use, in order to minimise process losses. Please also see the cooling and sealing air system description, MBH Cooling and Sealing Air System. Cooling air is used for cooling the turbine casing, vanes, blades and discs. Sealing air is used to prevent hot gases from entering or oil mist from leaking out from the bearing housing. In order to decrease the thrust load on bearing no 1, a balancing piston, fed by air from compressor stage 10, has been designed downstream turbine disc 3.

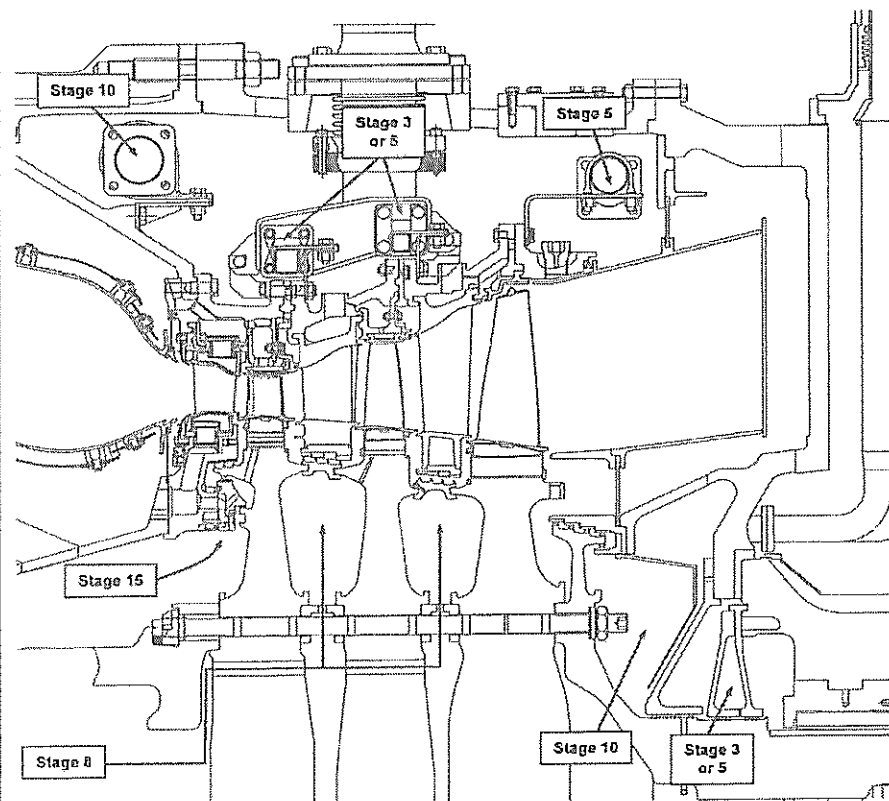


Figure 10, Cooling air - turbine

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BD000241**Components**

- Compressor inlet guide vane actuator motor unit.
MBA10AE005
An AC-servo motor positions the variable compressor guide vanes via an actuator.
- Ignition system
MBA10AV005
The ignition box for the spark plug igniter of the combustion chamber. The spark plug is ignited by the ignition exciter.
- Axial displacement
MBA10CG005
The transducer is continuously monitoring the axial position of the rotor. Absolute distance relative bearing measured.
- Axial displacement
MBA10CG010
The transducer is continuously monitoring the axial position of the rotor. Absolute distance relative bearing measured.
- Key phasor
MBA10CG015
The key phasor detects the rotor angle during balancing.
- Axial displacement
MBA10CG025
The transducer is continuously monitoring the axial position of the rotor. Absolute distance relative bearing measured.
- Rev C, Start
- Compressor inlet guide vane positioning sensor (RVDT)
MBA10CG030
The position of the VGV is measured with an RVDT (Rotary Variable Differential Transformer).
Rev C, Stop
- Diff Pressure transmitter, compressor inlet
MBA10CP005
Diff. pressure measurements over the inlet piece for calculation of compressor inlet mass flow.
- Pressure transmitter, compressor inlet
MBA10CP010
Pressure level inside the inlet housing for calculation of compressor inlet mass flow.

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<ul style="list-style-type: none"> Pressure transmitter, compressor discharge pressure. MBA10CP015 The transducer is continuously monitoring the pressure in the central casing, used in the control loop of the gas turbine. Used for calculation of the turbine inlet temperature. Pressure transmitter, compressor discharge pressure. MBA10CP016 The transducer is continuously monitoring the pressure in the central casing, used in the control loop of the gas turbine. Used for calculation of the turbine inlet temperature. Pressure transmitter, compressor discharge pressure. MBA10CP017 The transducer is continuously monitoring the pressure in the central casing, used in the control loop of the gas turbine. Used for calculation of the turbine inlet temperature. Pressure transmitter, combustor MBA10CP030 The transducer is continuously monitoring the pressure in the combustion chamber. Pressure transmitter, front face disc 1 MBA10CP035 The transducer is continuously monitoring the pressure upstream of turbine disc 1 to ensure cooling air feed to turbine blade 1. Diff Pressure transmitter, turbine exhaust MBA10CP040 Diff. pressure measurements between the turbine exhaust and surrounding. Diff Pressure transmitter, turbine exhaust MBA10CP041 Diff. pressure measurements between the turbine exhaust and surrounding. Diff Pressure transmitter, turbine exhaust MBA10CP042 Diff pressure measurements between the turbine exhaust and surrounding. Pressure transmitter, turbine exhaust MBA10CP045 The transducer is continuously monitoring the over pressure in the turbine exhaust. It is used for calculating the T5 (turbine inlet temp). Pressure switch, compressor surge protection MBA10CP050 The diff. pressure switch will be activated by the back flow of air through the inlet housing during surge. Pressure switch, compressor surge protection MBA10CP055 The diff. pressure switch will be activated by the back flow of air through the inlet housing during surge. 			
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- Pressure switch, compressor surge protection
MBA10CP060
The diff. pressure switch will be activated by the back flow of air through the inlet housing during surge.

- Diff Pressure transmitter, inlet system
MBA10CP065
The diff. pressure over the inlet filter is continuously monitored to detect clogging.

- Pressure transmitter, inlet system
MBA10CP070
The diff. pressure over the inlet filter is continuously monitored to detect clogging.

- Pressure transmitter, inlet system
MBA10CP075
The diff. pressure over the inlet filter is continuously monitored to detect clogging.

- Dynamic probe, combustor pulsation
MBA10CP085
The dynamic head in the combustor is continuously monitored.

- Dynamic probe, combustor pulsation
MBA10CP090
The dynamic head in the combustor is continuously monitored.

- Dynamic probe, combustor pulsation
MBA10CP095
The dynamic head in the combustor is continuously monitored.

- Flame detector
MBA10CQ005
The flame detector indicates flame during start up and detects flame out during operation.

- Flame detector
MBA10CQ010
The flame detector indicates flame during start up and detects flame out during operation.

- Speed transducer
MBA10CS005
The transducer measures continuously the rotating speed of the rotor, and is used as input to the control loop of the gas turbine. Controls the rotor speed to 6607 rpm (50 or 60 Hz).

- Speed transducer
MBA10CS010
The transducer measures continuously the rotating speed of the rotor, and is used as input to the control loop of the gas turbine. Controls the rotor speed to 6607 rpm (50 or 60 Hz).

- Speed transducer
MBA10CS015

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The transducer measures continuously the rotating speed of the rotor. Overspeed protection.

- Speed transducer
MBA10CS020
The transducer measures continuously the rotating speed of the rotor. Overspeed protection.
- Speed transducer
MBA10CS030
The transducer measures continuously the rotating speed of the rotor. Overspeed protection.
- Temperature transmitter, bearing temperature
MBA10CT005
The PT100 is continuously monitoring the temperature of radial bearing no1.
- Temperature transmitter, bearing temperature
MBA10CT010
The PT100 is continuously monitoring the temperature of radial bearing no1.
- Temperature transmitter, bearing temperature
MBA10CT015
The PT100 is continuously monitoring the temperature of axial thrust bearing no1.
- Temperature transmitter, bearing temperature
MBA10CT020
The PT100 is continuously monitoring the temperature of axial thrust bearing no1.
- Temperature transmitter, compressor inlet
MBA10CT025
The PT100 is continuously monitoring the temperature at the compressor inlet. The transmitter is protecting the gas turbine from operation outside the design limits. The signal is used as input to the control loop of the gas turbine to calculate the inlet mass flow, the PFR (pilot fuel ratio) and the STC (start control)
- Rev C, Start
- Temperature transmitter, compressor inlet
MBA10CT026
The PT100 is continuously monitoring the temperature at the compressor inlet. The transmitter is protecting the gas turbine from operation outside the design limits. The signal is used as input to the control loop of the gas turbine to calculate the inlet mass flow, the PFR (pilot fuel ratio) and the STC (start control)
- Temperature transmitter, compressor inlet
MBA10CT027
The PT100 is continuously monitoring the temperature at the compressor inlet. The transmitter is protecting the gas turbine from operation outside the design limits. The signal is used as input to the control loop of the gas turbine to calculate the inlet mass flow, the PFR (pilot fuel ratio) and the STC (start control)
- Rev C, Stop

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- Temperature transmitter, compressor outlet
MBA10CT030
The thermocouple is continuously monitoring the temperature at the compressor outlet. The transmitter is protecting the gas turbine from operation outside the design limits. The signal is used as input to the control loop of the gas turbine. Used for calculation of the turbine inlet temperature.
- Temperature transmitter, compressor outlet
MBA10CT031
The thermocouple is continuously monitoring the temperature at the compressor outlet. The transmitter is protecting the gas turbine from operation outside the design limits. The signal is used as input to the control loop of the gas turbine. Used for calculation of the turbine inlet temperature.
- Temperature transmitter, compressor outlet
MBA10CT032
The thermocouple is continuously monitoring the temperature at the compressor outlet. The transmitter is protecting the gas turbine from operation outside the design limits. The signal is used as input to the control loop of the gas turbine. Used for calculation of the turbine inlet temperature.
- Temperature transmitter, turbine stator
MBA10CT035
The thermocouple is continuously monitoring the temperature in the turbine stator flanges connecting stator ring 1 and 2. The transmitter indicates the function of the external stator cooling.
- Temperature transmitter, turbine stator
MBA10CT040
The thermocouple is continuously monitoring the temperature in the turbine stator flanges connecting stator ring 1 and 2.
- Temperature transmitter, turbine stator
MBA10CT045
The thermocouple is continuously monitoring the temperature in the turbine stator flanges connecting stator ring 1 and 2.
- Temperature transmitter, turbine stator
MBA10CT050
The thermocouple is continuously monitoring the temperature in the turbine stator flanges connecting stator ring 2 and 3.
- Temperature transmitter, turbine stator
MBA10CT055
The thermocouple is continuously monitoring the temperature in the turbine stator flanges connecting stator ring 2 and 3.
- Temperature transmitter, turbine stator
MBA10CT060
The thermocouple is continuously monitoring the temperature in the turbine stator flanges connecting stator ring 2 and 3.

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- Temperature transmitter, between turbine stator and turbine casing
MBA10CT065
The thermocouple is continuously monitoring the temperature in the cavity between the turbine stator and the turbine casing.
- Temperature transmitter, vane inner shroud
MBA10CT070
The thermocouple is continuously monitoring the temperature in the seal region under the stage 2 vane.
- Temperature transmitter, vane inner shroud
MBA10CT080
The thermocouple is continuously monitoring the temperature in the seal region under the stage 2 vane.
- Temperature transmitter, bearing temperature
MBA10CT090
The PT100 is continuously monitoring the temperature of radial bearing no. 2.
- Temperature transmitter, bearing temperature
MBA10CT095
The PT100 is continuously monitoring the temperature of radial bearing no. 2.
- Temperature transmitter, turbine exhaust
MBA10CT100
The thermocouple is continuously monitoring the temperature in the turbine exhaust, used as input to the control loop of the gas turbine. The average value from MBA10CT100-175 limits the turbine exhaust temperature.
- Temperature transmitter, turbine exhaust
MBA10CT105
The thermocouple is continuously monitoring the temperature in the turbine exhaust, used as input to the control loop of the gas turbine. The average value from MBA10CT100-175 limits the turbine exhaust temperature.
- Temperature transmitter, turbine exhaust
MBA10CT110
The thermocouple is continuously monitoring the temperature in the turbine exhaust, used as input to the control loop of the gas turbine. The average value from MBA10CT100-175 limits the turbine exhaust temperature.
- Temperature transmitter, turbine exhaust
MBA10CT115
The thermocouple is continuously monitoring the temperature in the turbine exhaust, used as input to the control loop of the gas turbine. The average value from MBA10CT100-175 limits the turbine exhaust temperature.

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- Temperature transmitter, turbine exhaust

MBA10CT120

The thermocouple is continuously monitoring the temperature in the turbine exhaust, used as input to the control loop of the gas turbine. The average value from MBA10CT100-175 limits the turbine exhaust temperature.
- Temperature transmitter, turbine exhaust

MBA10CT125

The thermocouple is continuously monitoring the temperature in the turbine exhaust, used as input to the control loop of the gas turbine. The average value from MBA10CT100-175 limits the turbine exhaust temperature.
- Temperature transmitter, turbine exhaust

MBA10CT130

The thermocouple is continuously monitoring the temperature in the turbine exhaust, used as input to the control loop of the gas turbine. The average value from MBA10CT100-175 limits the turbine exhaust temperature.
- Temperature transmitter, turbine exhaust

MBA10CT135

The thermocouple is continuously monitoring the temperature in the turbine exhaust, used as input to the control loop of the gas turbine. The average value from MBA10CT100-175 limits the turbine exhaust temperature.
- Temperature transmitter, turbine exhaust

MBA10CT140

The thermocouple is continuously monitoring the temperature in the turbine exhaust, used as input to the control loop of the gas turbine. The average value from MBA10CT100-175 limits the turbine exhaust temperature.
- Temperature transmitter, turbine exhaust

MBA10CT145

The thermocouple is continuously monitoring the temperature in the turbine exhaust, used as input to the control loop of the gas turbine. The average value from MBA10CT100-175 limits the turbine exhaust temperature.
- Temperature transmitter, turbine exhaust

MBA10CT150

The thermocouple is continuously monitoring the temperature in the turbine exhaust, used as input to the control loop of the gas turbine. The average value from MBA10CT100-175 limits the turbine exhaust temperature.
- Temperature transmitter, turbine exhaust

MBA10CT155

The thermocouple is continuously monitoring the temperature in the turbine exhaust, used as input to the control loop of the gas turbine. The average value from MBA10CT100-175 limits the turbine exhaust temperature.

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SYSTEM DESCRIPTION MBA10 GAS TURBINE SYSTEM	Respons. dept OET	Date 2015-03-24	Reg. DB101
	Prepared B. Svensson	GVTP BD000241	
<p>• Temperature transmitter, turbine exhaust MBA10CT160 The thermocouple is continuously monitoring the temperature in the turbine exhaust, used as input to the control loop of the gas turbine. The average value from MBA10CT100-175 limits the turbine exhaust temperature.</p> <p>• Temperature transmitter, turbine exhaust MBA10CT165 The thermocouple is continuously monitoring the temperature in the turbine exhaust, used as input to the control loop of the gas turbine. The average value from MBA10CT100-175 limits the turbine exhaust temperature.</p> <p>• Temperature transmitter, turbine exhaust MBA10CT170 The thermocouple is continuously monitoring the temperature in the turbine exhaust, used as input to the control loop of the gas turbine. The average value from MBA10CT100-175 limits the turbine exhaust temperature.</p> <p>• Temperature transmitter, turbine exhaust MBA10CT175 The thermocouple is continuously monitoring the temperature in the turbine exhaust, used as input to the control loop of the gas turbine. The average value from MBA10CT100-175 limits the turbine exhaust temperature.</p> <p>• Vibration transducer, bearing MBA10CY005 The accelerometer is continuously monitoring the vibration in bearing no 1.</p> <p>• Vibration transducer, bearing MBA10CY010 The accelerometer is continuously monitoring the vibration in bearing no 2.</p> <p>• Vibration transducer, bearing MBA10CY015 The accelerometer is continuously monitoring the vibration in bearing no 2.</p> <p>• Vibration transducer, bearing MBA10CY020 The accelerometer is continuously monitoring the vibration in bearing no 2.</p> <p>• Vibration transducer, bearing MBA10CY025 The accelerometer is continuously monitoring the vibration in bearing no 1.</p> <p>• Vibration transducer, bearing MBA10CY030 The accelerometer is continuously monitoring the vibration in bearing no 1.</p>			
Approved 2015-03-26 Markku Kanala	Latest revision C) Added MBA10CG030, MBA10CT026, MBA1CT027 and MBA10FT915, /2015-06-24 / BS		Archive HG 9100
Checked 2015-03-26 Fredrik Grönvall	No. 1CS157686		

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SYSTEM DESCRIPTION MBA10 GAS TURBINE SYSTEM	Respons. dept	Date	Reg.
	OET	2015-03-24	DB101
	Prepared	GVTP	
	B. Svensson	BD000241	

- Air flow, calculated
 MBA10FF900
 Calculated compressor inlet mass flow based on dP measurements.

- Calculated pressure, compressor outlet pressure
 MBA10FP901
 Median of measurements in the compressor outlet.

- Calculated temperature, turbine stator ring
 MBA10FT900
 Average of measurements in the turbine stator flanges connecting stator ring 1 and 2.

- Calculated temperature, compressor outlet
 MBA10FT901
 If one thermocouple differs more than set value from the median of MBA10CT030, MBA10CT031 and MBA10CT032 or the thermocouple failure it is set to 0° C.

- Calculated temperature, turbine stator ring
 MBA10FT905
 Average of measurements in the turbine stator flanges connecting stator ring 2 and 3.

- Calculated temperature, turbine exhaust
 MBA10FT910
 Average of measurements in the turbine exhaust.

- Calculated temperature, turbine exhaust
 MBA10FT911
 Maximum to average deviation of measurements in the turbine exhaust.

- Calculated temperature, turbine exhaust
 MBA10FT912
 Minimum to average deviation of measurements in the turbine exhaust.

- Rev C, Start
- Calculated temperature, compressor inlet
 MBA10FT915
 Average of measurements in the compressor inlet.
 Rev C, Stop

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SYSTEM DESCRIPTION MBA10 GAS TURBINE SYSTEM	Respons. dept OET	Date 2015-03-24	Reg. DB101
	Prepared B. Svensson	GVTP BD000241	

Test Instrumentation

- Connection for test instrumentation, compressor outlet.
MBA10CU301
The connection is used for performance measurement or trouble-shooting.
- Connection for test instrumentation, compressor outlet.
MBA10CU302
The connection is used for performance measurement or trouble-shooting.
- Connection for test instrumentation, compressor outlet.
MBA10CU303
The connection is used for performance measurement or trouble-shooting.
- Connection for test instrumentation, compressor outlet.
MBA10CU304
The connection is used for performance measurement or trouble-shooting.
- Connection for test instrumentation, turbine outlet diffuser.
MBA10CU701
The connection is used for performance measurement or trouble-shooting.
- Connection for test instrumentation, turbine outlet diffuser.
MBA10CU702
The connection is used for performance measurement or trouble-shooting.
- Connection for test instrumentation, turbine outlet diffuser.
MBA10CU703
The connection is used for performance measurement or trouble-shooting.
- Connection for test instrumentation, turbine outlet diffuser.
MBA10CU704
The connection is used for performance measurement or trouble-shooting.
- Connection for test instrumentation, turbine outlet diffuser.
MBA10CU705
The connection is used for performance measurement or trouble-shooting.
- Connection for test instrumentation, turbine outlet diffuser.
MBA10CU706
The connection is used for performance measurement or trouble-shooting.
- Connection for test instrumentation, turbine outlet diffuser.
MBA10CU707
The connection is used for performance measurement or trouble-shooting.
- Connection for test instrumentation, turbine outlet diffuser.
MBA10CU708
The connection is used for performance measurement or trouble-shooting.

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SYSTEM DESCRIPTION MBA10 GAS TURBINE SYSTEM	Respons. dept OET	Date 2015-03-24	Reg. DB101
	Prepared B. Svensson	GVTP BD000241	

FUNCTION

Start up

The start up procedure is described below:

- Start of ventilation and lubrication oil system.
- Start of start motor to purge speed 1500 rpm.
- Wait for purge time to expire (time dependant on stack/boiler volume)
- At ignition, gas is fed to burner #26 where the spark plug ignites the gas. When the ignition flame is indicating, fuel is fed to the all the burners for main ignition.
- When main ignition is indicating, acceleration to idle speed, 6600 rpm, is started. Both the start motor and the fuel firing is contributing to the acceleration. At 5600 rpm the start motor is switched off. During run-up the bleed valves will close.
- At idle speed the unit is synchronized.
- The start up is finalised when the generator is synchronised and minimum continuous load is obtained.

Continuous operation

Above 50% load, the extraction air from compressor stage 3 is no longer sub atmospheric, and the valves are therefore open. The gas turbine speed is constant independent of load and within the permitted ambient conditions there is no flat rated output. The position of the compressor inlet guide vane (IGV) at full load is dependent on ambient conditions, nominal open below +30° C and continuously closed above.

The load is varied by controlling the compressor IGV, firing temperature and turbine exit temperature. The first step in load decrease is to close the compressor IGV, maintaining the firing temperature until maximal permitted turbine exit temperature is reached. At ambient above +30° C this situation occurs at full load. The next step is to continue closing the IGV until it is fully closed, maintaining the turbine exit temperature by decreasing the firing temperature. The third and final step is to further decrease the firing temperature keeping the IGV fully closed. Load increase is performed in the same way but in opposite order.

The gas turbine speed and load is operated from the automatic control by means of the amount of fuel entering the combustion chamber and the guide vane control. The control input is among other the power demand and ambient air conditions.

Turbine stop

When shutting down the combustor, the gas turbine speed slowly decreases until reaching the set barring speed of the electric starting motor (600 rpm). Barring is then continued for 18 hours, so the gas turbine is cooled down. After this, the starting motor is stopped and the turbine is brought to standstill.

Barring

Barring at 600 rpm will occur after a turbine trip or turbine stop. Barring must be done otherwise the rotor and stator will have different temperature gradients. This can cause the rotor to get stuck. Barring will continue for 18 h at 600 rpm, but the gas turbine can be restarted any time during the barring.

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MBA10
GAS TURBINE SYSTEMRespons. dept Date
OET 2015-03-24Reg.
DB101Prepared
B. SvenssonGVTP
BD000241

If the barring at 600 rpm is not started due to a failure and the rpm decreases to below 50 rpm within 10 minutes the gas turbine has to cool down for 40h before restarting. This is known as barring block/starting block.

Stand still

The turbine should be handled acc. to packing/stand still instructions. See document 1CS26792 (GTI doc. W9B0026E) –GT Storage and preservation

DISTURBANCES**Gas turbine trip**

A gas turbine trip interrupts the fuel flow to the gas turbine. The gas turbine speed decreases until the rpm is less than 700, after that the gas turbine can be restarted. If not a restart is performed the gas turbine will start barring at 600 rpm. The gas turbine can be restarted any time during the barring.

Generator breaker trip

A generator breaker trip opens the generator breaker, the turbine continues in operation at idle speed and no load.

Loss of power supply

Loss of AC supply to the unit trips the gas turbine. As the power supply to the lube oil system is continuous in case of an AC supply failure, this event does not affect the safe supply of bearing oil. The electrical starting system is fed directly from the grid and is only affected if the grid voltage is lost.

System faults

If there are any damages on combustor, turbine, compressor or bearings, the system may not be started or has to be shut down. Also the start up procedure may be interrupted if a combustion chamber fault occurs. If the bleed valves has been locked in closed- or open position the start up is interrupted. The faults which are supervised by alarms and shutdown procedures are listed in the alarm and trip list.

Other faults

The gas turbine is dependent of its auxiliary systems for proper function. These are the ignition fuel, the main fuel, the pilot fuel, the lube oil, the starting system, the cooling/sealing air and the instrument air. Faults in any of these systems may restrict or interrupt continued start up or operation.

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No.
1CS157686SYSTEM DESCRIPTION
MBA10
GAS TURBINE SYSTEMRespons. dept Date
OET 2015-03-24Reg.
DB101Prepared
B. SvenssonGVTP
BD000241**TECHNICAL SPECIFICATION****Design criteria and standards**

- Direction of shaft rotation Clockwise looking contra flow

Dimensioning data

- Pressure ratio 19,6:1 at ISO-conditions
- Nominal speed 6 600 rpm
- Rated flow 134 kg/s

Installation

The gas turbine is mounted on a single foundation frame next to the auxiliary systems in which the lube oil tank is integrated. The front face of the gas turbine, opposite to the auxiliary systems has been design especially for easy access during inspection. As the different sections of the gas turbine is built up as removable modules, this also permits easy access and fast simple maintenance.

Component data

Rotor weight (incl. blades) 7860 kg
Engine weight 28375 kg

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GAS TURBINE SYSTEM		Prepared	GVTP	
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Index of components				
MBA10AE005		MBA10CP095		
IGV	12	Pulsation combustor chamber	14	
MBA10AV005		MBA10CQ005		
Ignition system	12	Flame detector	14	
MBA10CG005		MBA10CQ010		
Axial displacement	12	Flame detector	14	
MBA10CG010		MBA10CS005		
Axial displacement	12	Rotor speed	14	
MBA10CG015		MBA10CS010		
Key phasor	12	Rotor speed	14	
MBA10CG025		MBA10CS015		
Axial displacement	12	Rotor speed	14	
MBA10CG030		MBA10CS020		
IGV position	12	Rotor speed	15	
MBA10CP005		MBA10CS030		
Diff. Pressure compressor inlet	12	Rotor speed	15	
MBA10CP010		MBA10CT005		
Pressure compressor inlet	12	Temp. bearing 1 radial	15	
MBA10CP015		MBA10CT010		
Pressure compressor discharge	13	Temp. bearing 1 radial	15	
MBA10CP016		MBA10CT015		
Pressure compressor discharge	13	Temp. bearing 1 thrust	15	
MBA10CP017		MBA10CT020		
Pressure compressor discharge	13	Temp. bearing 1 thrust	15	
MBA10CP030		MBA10CT025		
Pressure combustor chamber	13	Temp. compressor inlet	15	
MBA10CP035		MBA10CT026		
Pressure disc 1	13	Temp. compressor inlet	15	
MBA10CP040		MBA10CT027		
Diff. Pressure turbine exhaust	13	Temp. compressor inlet	15	
MBA10CP041		MBA10CT030		
Diff. Pressure turbine exhaust	13	Temp. compressor outlet	16	
MBA10CP042		MBA10CT031		
Diff. Pressure turbine exhaust	13	Temp. compressor outlet	16	
MBA10CP045		MBA10CT032		
Pressure turbine exhaust	13	Temp. compressor outlet	16	
MBA10CP050		MBA10CT035		
Surge protection	13	Temp. stator ring 1-2	16	
MBA10CP055		MBA10CT040		
Surge protection	13	Temp. stator ring 1-2	16	
MBA10CP060		MBA10CT045		
Surge protection	14	Temp. stator ring 1-2	16	
MBA10CP065		MBA10CT050		
Diff. press air intake	14	Temp. stator ring 2-3	16	
MBA10CP070		MBA10CT055		
Diff. press air intake	14	Temp. stator ring 2-3	16	
MBA10CP075		MBA10CT060		
Diff. press air intake	14	Temp. stator ring 2-3	16	
MBA10CP085		MBA10CT065		
Pulsation combustor chamber	14	Temp. turbine casing	16	
MBA10CP090		MBA10CT070		
Pulsation combustor chamber	14	Temp. vane seal stage 2	17	
Approved 2015-03-26 Markku Kanala		Latest revision C) Added MBA10CG030, MBA10CT026, MBA1CT027 and MBA10FT915. /2015-06-24 / BS		Archive HG 9100
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SYSTEM DESCRIPTION		Respons. dept	Date	Reg.
MBA10		OET	2015-03-24	DB101
GAS TURBINE SYSTEM		Prepared	GVTP	
		B. Svensson	BD000241	
MBA10CT080		MBA10CT170		
Temp. vane seal stage 2	17	Temp. turbine exhaust	19	
MBA10CT090		MBA10CT175		
Temp. bearing 2	17	Temp. turbine exhaust	19	
MBA10CT095		MBA10CT900		
Temp. bearing 2	17	Temp. average stator ring 1-2	20	
MBA10CT100		MBA10FT905		
Temp. turbine exhaust	17	Temp. average stator ring 2-3	20	
MBA10CT105		MBA10FT910		
Temp. turbine exhaust	17	Temp. average turbine exhaust	20	
MBA10CT110		MBA10FT911		
Temp. turbine exhaust	17	Max to average turbine exhaust temp	20	
MBA10CT115		MBA10FT912		
Temp. turbine exhaust	17	Min to average turbine exhaust temp	20	
MBA10CT120		MBA10CY005		
Temp. turbine exhaust	17	Vibration bearing 1	19	
MBA10CT125		MBA10CY010		
Temp. turbine exhaust	18	Vibration bearing 2	19	
MBA10CT130		MBA10CY015		
Temp. turbine exhaust	18	Vibration bearing 2	19	
MBA10CT135		MBA10CY020		
Temp. turbine exhaust	18	Vibration bearing 2	19	
MBA10CT140		MBA10CY025		
Temp. turbine exhaust	18	Vibration bearing 1	19	
MBA10CT145		MBA10CY030		
Temp. turbine exhaust	18	Vibration bearing 1	19	
MBA10CT150		MBA10FF900		
Temp. turbine exhaust	18	Inlet mass flow	19	
MBA10CT155		MBA10FP901		
Temp. turbine exhaust	18	Pressure compressor outlet	19	
MBA10CT160		MBA10FT901		
Temp. turbine exhaust	18	Temp. compressor outlet	20	
MBA10CT165		MBA10FT915		
Temp. turbine exhaust	19	Temp. compressor inlet	20	
Approved 2015-03-26 Markku Kanala		Latest revision C) Added MBA10CG030, MBA10CT026, MBA1CT027 and MBA10FT915. /2015-06-24 / BS		Archive HG 9100
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ภาคผนวก ข-8

เอกสารแสดงการใช้ก๊าซธรรมชาติเป็นเชื้อเพลิง

Gas Turbine Data - SGT-800 Enhanced

General Identification

Type	Industrial
Model	SGT-800
Applications	Simple cycle, Power Generation Cogeneration cycle Combined cycle
Number of shafts	1

Gas Turbine

Drive shaft position	Cold end
Type of compressor	Axial flow
Number of compressor stages	15 stages total (3 stages with variable guide vanes)
Number of compr. extractions	5 (3rd, 5th, 8th, 10th and 15th stage)
Pressure ratio	21.9:1 (at ISO and N.G. fuel)
Nominal output (net)	52,8 MWe (at ISO and N.G. fuel)
Nominal heat rate (net)	9287 kJ/kWh (at ISO and N.G. fuel)
Nominal efficiency (net)	38,8 %
Nominal exhaust flow	138 kg/s (at ISO and N.G. fuel)
Nominal exhaust temperature	550 °C (at ISO and N.G. fuel)
Type of turbine	Axial flow
Number of turbine stages	3 (Stage 1: Film cooled; Stage 2: Convection cooled; Stage 3: Non-cooled)
Turbine inlet temperature	1237,6 °C (average thermodyn. mixed gas temp.)
Rotor weight (including blading)	7200 kg
Rotor construction	Electron beam welded compressor, bolted turbine discs

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Nominal rotor speed	6600 rpm [after gear (4-pole) = 1500 rpm]
Thrust bearing type	Tilting pad (forced lubrication)
Journal bearing type	Tilting pad (forced lubrication)
Nominal thrust load	200000 N
Type of combustor	Single, annular combustion chamber Low emission variant, dry
Number of burners	30
Burners type	Single fuel or dual fuel

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ภาคผนวก ข-9

เอกสารรับรองบุคลากรด้านสิ่งแวดล้อม

ที่ อก ๐๓๑๓/ ๖๖๔๔



กรมโรงงานอุตสาหกรรม
ถนนพระรามที่ ๖ แขวงทุ่งพญาไท
เขตราชเทวี กรุงเทพฯ ๑๐๔๐๐

๐๔ กรกฎาคม ๒๕๖๗

เรื่อง หนังสือรับแจ้งการมีบุคลากรด้านสิ่งแวดล้อมประจำโรงงาน

เรียน ผู้รับใบอนุญาตประกอบกิจการโรงงาน บริษัท กัลฟ์ บีแอล จำกัด

อ้างถึง คำขอเลขที่ ๐๘๘๐ ลงรับวันที่ ๒๖ มิถุนายน ๒๕๖๗

ตามคำขอที่อ้างถึง ท่านแจ้งการมีบุคลากรด้านสิ่งแวดล้อมประจำโรงงาน ของ บริษัท กัลฟ์ บีแอล จำกัด ทะเบียนผู้ประกอบการเลขที่ ๗๒๑๒๐๒๐๐๒๒๕๕๘๘ (น.๘๘(๒)-๒/๒๕๕๘-ญบว.) ประกอบกิจการผลิตกระแสไฟฟ้าโดยใช้ก๊าซธรรมชาติและไอน้ำ ผลิตไอน้ำ และผลิตน้ำเย็น ตั้งอยู่ ณ เลขที่ ๗๗๗ หมู่ที่ ๑ ตำบลบ้านเลน อำเภอบางปะอิน จังหวัดพระนครศรีอยุธยา ความละเอียดแจ้งแล้ว นั้น

กรมโรงงานอุตสาหกรรมพิจารณาแล้ว รับแจ้งการให้บุคลากรด้านสิ่งแวดล้อม ประจำโรงงาน และให้ท่านยื่นคำขอแจ้งการมีบุคลากรด้านสิ่งแวดล้อมประจำโรงงานครั้งต่อไป ภายในวันที่ ๒๖ กรกฎาคม ๒๕๗๐ โดยมีบุคลากรด้านสิ่งแวดล้อมประจำโรงงาน ดังนี้

ผู้จัดการสิ่งแวดล้อม					
ลำดับ	ผู้ควบคุมระบบบำบัด	เลขทะเบียน	มลพิษน้ำ	มลพิษอากาศ	มลพิษกากอุตสาหกรรม
๑				✓	
ลำดับ				มลพิษอากาศ	มลพิษกากอุตสาหกรรม
๑				✓	
๒				✓	
๓				✓	
๔				✓	
๕				✓	

ลำดับ ๖...

ลำดับ	ผู้ปฏิบัติงานประจำระบบบำบัด	มลพิษน้ำ	มลพิษอากาศ	มลพิษกากอุตสาหกรรม
๖			✓	
๗			✓	
๘			✓	

หมายเหตุ ๑. การแจ้งการมี/ยกเลิก/เพิ่มเติม/เปลี่ยนแปลง บุคลากรด้านสิ่งแวดล้อมประจำโรงงาน ต้องส่งหนังสือฉบับนี้ด้วย
๒. ยกเลิกหนังสือรับแจ้งการมีบุคลากรด้านสิ่งแวดล้อมประจำโรงงาน ที่ อก ๐๓๑๓/๕๙๕๕ ลงวันที่ ๒๐ มีนาคม ๒๕๖๖

จึงเรียนมาเพื่อโปรดทราบ

ขอแสดงความนับถือ



(นางนพลักษณ์ ศุภณสินเชชม)

นักวิทยาศาสตร์เชี่ยวชาญ วิชาการราชการแทน

ผู้อำนวยการกองส่งเสริมเทคโนโลยีสิ่งแวดล้อมโรงงาน

ปฏิบัติราชการแทนอธิบดีกรมโรงงานอุตสาหกรรม

กองส่งเสริมเทคโนโลยีสิ่งแวดล้อมโรงงาน

กลุ่มกำกับบุคลากรด้านสิ่งแวดล้อมประจำโรงงาน

โทรศัพท์ ๐ ๒๔๓๐ ๖๓๑๕ ต่อ ๒๔๐๕



โทรสาร ๐ ๒๔๓๐ ๖๓๑๕ ต่อ ๒๔๙๙

ไปรษณีย์อิเล็กทรอนิกส์ saraban@diw.mail.go.th








ภาคผนวก ข-10

เอกสารข้อมูลจำเพาะของเครื่องจักรและอุปกรณ์ที่มีเสียงดัง

		Gulf Ban Lane Power Plant (GBL) Project											
DOC TITLE		Noise emissions guaranteeTest											
DOC NO.		GBL-001-F-141-003		<table border="1"> <tr> <th colspan="2">Rev.</th> <th rowspan="3">Page No.</th> <th rowspan="3">1 of 9</th> </tr> <tr> <td>Gulf</td> <td>Poyry</td> </tr> <tr> <td>A</td> <td>A01</td> </tr> </table>		Rev.		Page No.	1 of 9	Gulf	Poyry	A	A01
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A	A01												

Noise Emissions Guarantee Test

							
							
A	A01	5 July 2018	For approval				
Gulf	Poyry	Date	Description				
Rev. No.							

		Gulf Ban Lane Power Plant (GBL) Project					
DOC TITLE	Noise emissions guaranteeTest						
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REVISION HISTORY

Rev No.		Date	Description
Gulf	Poyry		
A	A01	5 July 2018	For approval

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ATTACHMENT

1: Sound Level Meter

1 INTRODUCTION

Per Schedule 4 Plant Tests, Section 5.4.3 of the Construction Contract of Gulf MP 12SPP Cogeneration project, the GBL power plant shall be in compliance with the Performance Guarantees in Part 2 Table 2.3 Noise Emission of Schedule 3.

2 OBJECTIVE OF THE TEST

The objective of the test is to demonstrate that the GBL Project is in compliance with the specified near field and far field noise emissions guarantees.

3 GUARANTEES

When the GBL Power Plant is operating between Off-peak to Peak, the following noise emission limits will not be exceeded

Item	Parameter	Units	Value
1	Near field noise guarantee The surface sound pressure level averaged over the measurement surface at a distance of 1 meter from the respective equipment acoustical enclosure at 1.5 m above ground shall not exceed	dB(A)	85
2	Far field noise guarantee The sound pressure level at Power Plant boundary and 1.5 meters above the ground shall not exceed	dB(A)	70 Leq(24)
3	Near field noise guarantee of safety valve silencers and start up vent valve silencers as well as steam turbine bypass valves The sound pressure level at a distance of 1 meter from the safety valve silencers and start up vent valve silencers as well as steam turbine bypass valves shall not exceed	dB(A)	95

The noise emission guarantee test will be measured at different plant conditions as described in table below

Test#	Test Load	Duration	Test Items
1	Combustion turbine operating at normal plant operation (Base load and Part load)	Base load: at least Leq 30 sec or longer to establish representative equipment noise emission	Near field noise measurement throughout the Plant at locations normally occupied by personnel and in the vicinity of equipment (see paragraph 4.1). (Operational & BG)
2	Transient plant operation - During any plant start	Start up vent valve measurement, Leq10 sec	Near field noise measurement of safety valve silencers, start up silencers and steam turbine bypass valves (See paragraph 4.2)
	Base load combustion turbine operation with the ST bypassed and with steam let down to process	Steam turbine bypass measurement Leq10 sec	
	Actuate safety valves by operation close to normal operating pressure	Safety valve measurement, Leq 10 sec	
3	Combustion turbine operating at normal plant operation (Base load and Part load)	24 hrs x 5 days	Far field site boundary noise measurement (20 measurements locations agreed upon between contractor and owner) as Leq1 hr, Leq24,L90,Ldn, Lmax (see paragraph 4.3) Note1 Operational & BG, BG as Leq5 min only

BG = Back ground

Note1:

20 measurement locations will be decided after discussion between Owner and Contractor considering actual site conditions.

Map showing the measurement locations will be provided before noise test once the measurement location are identified.

4 NOISE EMISSION GUARANTEE TEST

The noise emission guaranty test will be performed according to ISO 3746 procedure and Thai Standard. The following sections described the test procedures to be followed in conducting the noise guarantee test.

4.1 Near Field Noise Measurement- Respective Equipments

Operational Noise .The average A-weight sound pressure level at one (1) meter horizontal distance from major surface of the respective equipment or acoustic enclosure at an elevation of one point five (1.5) meter above ground level (such areas shall normally be accessible/occupied by personnel) will be determined . The near field noise will be measured for the following equipment, which are normally occupied by personnel for plant operation. Detail coordination of measurement locations to be discussed and will be identified on the plant layout.

- 1.) GTG11 & HRSG 11
- 2.) GTG12 & HRSG 12
- 3.) STG
- 4.) BFW pumps
- 5.) MCW pumps
- 6.) ACW pumps
- 7.) CCW pumps
- 8.) Condensate pumps
- 9.) Cooling tower fans
- 10.) Air compressor package
- 11.) Fuel Gas compressor package

Field measurements shall not be performed during periods when unusual activities are taking place that may influence the measured noise levels such as aircraft, construction or nearby extraneous noise events. The A -weighted sound pressure level averaged over the measurement surface shall be logarithmically averaged with the following equation:

$$L_{P_{eqA}} = 10 \times \log \left[\frac{1}{N} \times \sum_{i=1}^N 10^{0.1 \times L_{P_{eqi}}} \right] \text{ dB}$$

Where,

$L_{P_{eqA}}$ = A-weighted sound pressure level averaged over the measurement surface, in decibels, with the source under test operation

$L_{P_{eqi}}$ = A-weighted sound pressure level measured at the P' microphone position, in decibels

N = the number of microphone position

Background noise will be obtained at each of measurement position used for operational sound level measurement as described above-but with all of the equipment within Contractor's scope of supply not operating.

Corrections for the environment, for the equipment exceeding 85 dB(A) after correction of background noise, the environment correction, building correction of the reflected or absorbed sound shall be applied following Section A3 of ISO 3746. Then the corrected A-weighted sound pressure level will be determined by correcting the A-weighted sound pressure level averaged over the measurement surface for background noise and for reflected sound /environment. The results shall not exceed 85 dB(A).

4.2 Near Field Noise Measurement of Safety Valve Silencers, Start up Vent Silencers and Steam Turbine Bypass Valves

Noise measurement, as L_{eq} 10 sec in dB(A) shall be made at the Safety Valve Silencers, Start up Vent Silencers and Steam Turbine Bypass Valves using sound level meter that meet the requirements of IEC 651 Type 2. The measurement positions will be within one (1) meter from the surface of any individual equipment and 1.5 m above ground. Such test require transient plant operation that is

- Start up vent measurement shall be collected during any plant start
- ST bypass valve measurement shall be collected during base load combustion turbine operation with the ST bypassed and with steam letdown to process
- Safety valve will be actuated by operation close to normal operating pressure.

The transient plant operation of which the above noise occurs will be informed in advance.

4.3 Far Field Noise Measurement-Site Boundary Noise Measurement

Far field noise measurements Site boundary noise measurements shall be determined as equivalent continuous sound pressure level at outdoor locations agreed between the Owner – Contractor as appropriate for the Site and surrounding environment. Approximately twenty (20) measurement locations along the site boundary such as fence area of the GBL power plant shall be selected for the measurements. Each location should be measured at an elevation of 1.5 meters above the ground and at a minimum distance of 3.5 meter from any sound reflecting surface. The measurement locations should include locations nearest any noise generating equipment, positions anticipated to produce the highest plant noise and locations towards the closest neighbours (community).

Far field noise along the site boundary will be measured at 1 hr interval over twenty-four (24) consecutive hours to establish the 24 hr-weighted equivalent sound pressure level (L_{eq24}) and 90 percentile sound pressure level (L90). Measurement shall be made during 5 days periods of normal Power Plant operations- Peak and Off- peak (Peak may not equal to base load depending on IU demand).

Background for far field noise measurement. Background noise will be measured at 5 minute/locations (L_{eq5}) on the date without power plant operation. The equivalent

sound pressure level, L_{eq24} after applying correction for background noise level will then be compared with the standard of 70 dB(A) as specified in the Notification of National Environment Board No.15 (BE 2540)

5 INSTRUMENTATION

All noise measurements will be conducted using a sound level meters. The instrument was designed in accordance with IEC 651 Type 2 requirements. The instrument will be calibrated using a sound level calibrator of known sound pressure level (94 dB(A) , frequency of 1000 Hz and accuracy of + 0.5 dB). Calibration will be performed before and after each measurement series and upon any significant change in recording conditions, such as a battery change operation. The calibration level will be constant within 0.1 dB. Calibration sheet of the device will be handed over to owner for review before the start of the test.

Details of the sound level meters and its calibrator are shown in Appendix 1.

Attachment 1
(To be advised)