

ภาคผนวก จ-2

ผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง
(AQMS)



รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง
บริษัท ราชบุรีเพาเวอร์ จำกัด

ประจำเดือนกรกฎาคม 2566

เสนอต่อ

บริษัท ราชบุรีเพาเวอร์ จำกัด

โดย

ฝ่ายสิ่งแวดล้อมโครงการ

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง
บริษัท ราชบุรีเพาเวอร์ จำกัด
ประจำเดือนกรกฎาคม 2566

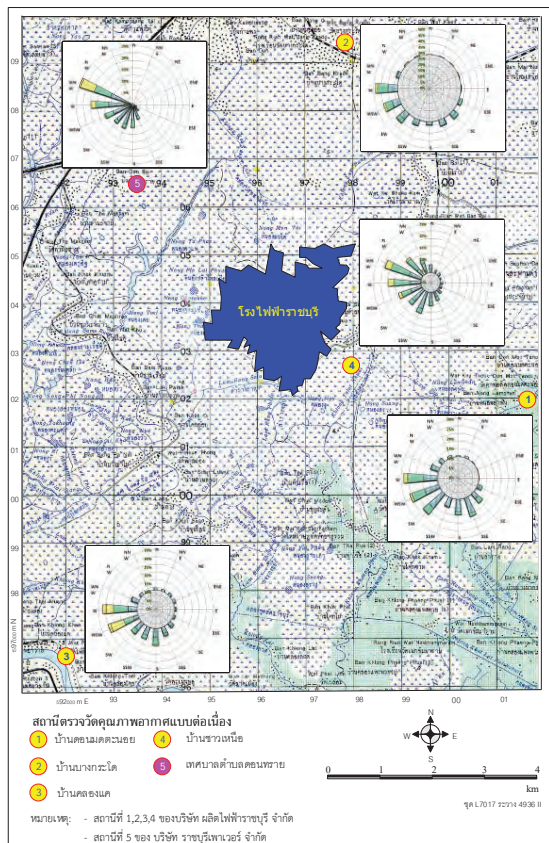
รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง
บริษัท ราชบุรีเพาเวอร์ จำกัด
เดือนกรกฎาคม 2566

ผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง บริษัท ราชบุรีเพาเวอร์ จำกัด ประจำเดือนกรกฎาคม 2566 จากสถานีตรวจวัดคุณภาพอากาศเทศบาลตำบลคอนทราย ผลการตรวจวัดดัชนีคุณภาพอากาศ พบว่า ผุนละอองรวม ผุนละอองขนาดเล็กไม่เกิน 10 ไมครอน ผุนละอองขนาดเล็กไม่เกิน 2.5 ไมครอน ก๊าซซัลเฟอร์ไดออกไซด์ ก๊าซไนโตรเจนไดออกไซด์ และก๊าซโอโซน มีค่าอยู่ในเกณฑ์มาตรฐานคุณภาพอากาศในบรรยากาศโดยทั่วไป ตามประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ โดยมีรายละเอียดดังนี้

สรุปผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง (กรกฎาคม 2566)

สถานีตรวจวัด	ค่าเฉลี่ยในเวลา 24 ชั่วโมง ($\mu\text{g}/\text{m}^3$)			ค่าเฉลี่ยในเวลา 1 ชั่วโมง (ppb)		
	TSP	PM-10	PM-2.5	SO ₂	NO ₂	O ₃
เทศบาลตำบลคอนทราย	25 - 33	7 - 28	1 - 20	1 - 3	0 - 4	0 - 17
มาตรฐาน	330	120	37.5	120	300	170

หมายเหตุ : มาตรฐานคุณภาพอากาศในบรรยากาศโดยทั่วไป ตามประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 21 (พ.ศ. 2544) ฉบับที่ 24 (พ.ศ. 2547) ฉบับที่ 28 (พ.ศ. 2550) ฉบับที่ 33 (พ.ศ. 2552), ราชกิจจานุเบกษา เล่ม 139 ตอนที่เศษ 163 (พ.ศ. 2565)



แผนที่แสดงตำแหน่งที่ตั้งสถานีตรวจวัดคุณภาพอากาศแบบต่อเนื่อง ของ บริษัท ผลิตไฟฟ้าราชบุรี จำกัด และ บริษัท ราชบุรีเพาเวอร์ จำกัด

สถานีเทศบาลตำบลคอนทราย



MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

Month : July

MONITORING STATION : Donsai Sub-district

YEAR : 2023

Date	SO ₂ (ppb)		NO ₂ (ppb)		O ₃ (ppb)		O ₃ (%)
	24Hr. Avg.	1Hr. Avg.	24Hr. Avg.	1Hr. Avg.	1Hr. Avg.	1Hr. Avg.	
1 Jul 23	1	1 - 2	3	0 - 8	5 - 28	N/A	
2 Jul 23	1	0 - 3	2	0 - 9	5 - 20	N/A	
3 Jul 23	2	1 - 2	2	1 - 6	5 - 14	N/A	
4 Jul 23	3	2 - 3	6	1 - 7	5 - 16	N/A	
5 Jul 23	1	1 - 3	3	1 - 8	5 - 22	N/A	
6 Jul 23	2	1 - 2	4	1 - 9	5 - 25	N/A	
7 Jul 23	2	1 - 2	5	1 - 13	5 - 41	N/A	
8 Jul 23	1	1 - 2	4	1 - 7	5 - 41	N/A	
9 Jul 23	2	1 - 2	2	0 - 5	5 - 29	N/A	
10 Jul 23	3	2 - 4	3	0 - 8	5 - 22	N/A	
11 Jul 23	1	1 - 3	5	2 - 9	5 - 28	N/A	
12 Jul 23	2	1 - 2	4	1 - 8	5 - 26	N/A	
13 Jul 23	2	1 - 3	5	1 - 17	5 - 15	N/A	
14 Jul 23	3	2 - 3	3	2 - 6	5 - 13	N/A	
15 Jul 23	2	2 - 3	3	1 - 6	6 - 16	N/A	
16 Jul 23	1	1 - 2	2	0 - 4	7 - 17	N/A	
17 Jul 23	1	1 - 2	2	0 - 7	10 - 21	N/A	
18 Jul 23	2	1 - 3	5	1 - 11	9 - 24	N/A	
19 Jul 23	1	0 - 2	3	1 - 6	8 - 39	N/A	
20 Jul 23	2	1 - 3	4	2 - 8	1 - 29	N/A	
21 Jul 23	2	1 - 2	4	2 - 7	0 - 24	N/A	
22 Jul 23	2	1 - 2	4	2 - 9	1 - 30	N/A	
23 Jul 23	1	1 - 2	3	1 - 6	0 - 19	N/A	
24 Jul 23	1	0 - 1	3	1 - 7	0 - 18	N/A	
25 Jul 23	2	1 - 3	3	1 - 5	4 - 17	N/A	
26 Jul 23	2	1 - 3	4	1 - 8	5 - 14	N/A	
27 Jul 23	2	2 - 2	4	2 - 8	5 - 16	N/A	
28 Jul 23	2	2 - 3	4	1 - 7	4 - 17	N/A	
29 Jul 23	1	1 - 2	3	1 - 5	4 - 16	N/A	
30 Jul 23	2	1 - 2	3	1 - 8	4 - 15	N/A	
31 Jul 23	1	0 - 1	2	1 - 6	4 - 21	N/A	
Range	1 - 3	0 - 4	2 - 5	0 - 17	0 - 41	-	
Number of times exceeded standard	0	0	0	0	0	-	
Total	Day	31	31	31	31	31	-
Monitoring	Hour	737	737	739	739	714	-
Ambient Air Quality Standard		120	300	-	170	100	-

Remark :-
1) Standards :- Ambient Air Quality Standards of the National Environment Board
2) SO₂ :- Sulfur Dioxide
3) NO₂ :- Nitrogen Dioxide
4) O₃ :- Ozone
5) N/A :- Data not Available
6) * :- Exceeding air quality standard
7) - :- Not Measurement



MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

MONTH : July

MONITORING STATION : Donsai Sub-district

YEAR : 2023

Date	Concentration (24 Hr Avg)				
	TSP (µg/m ³)		PM-10 (µg/m ³)		PM-2.5 (µg/m ³)
	Micro balance	Hi volume	Micro balance	Hi volume	Micro balance
1 Jul 23	N/A		28		20
2 Jul 23	N/A	25	15	15	8
3 Jul 23	N/A		12		4
4 Jul 23	N/A		20		10
5 Jul 23	N/A		21		11
6 Jul 23	N/A		18		10
7 Jul 23	N/A		20		10
8 Jul 23	N/A	30	17	18	8
9 Jul 23	N/A		17		8
10 Jul 23	N/A		20		12
11 Jul 23	N/A		14		1
12 Jul 23	N/A		18		10
13 Jul 23	N/A		17		7
14 Jul 23	N/A	33	16	17	7
15 Jul 23	N/A		24		10
16 Jul 23	N/A		16		6
17 Jul 23	N/A		7		1
18 Jul 23	N/A		15		8
19 Jul 23	N/A		12		5
20 Jul 23	N/A	26	19	18	10
21 Jul 23	N/A		18		9
22 Jul 23	N/A		18		9
23 Jul 23	N/A		8		4
24 Jul 23	N/A		15		6
25 Jul 23	N/A		16		6
26 Jul 23	N/A	27	16	16	8
27 Jul 23	N/A		15		4
28 Jul 23	N/A		12		6
29 Jul 23	N/A		13		6
30 Jul 23	N/A		17		9
31 Jul 23	N/A		21		11
Range	-	25 - 33	7 - 28	10 - 18	1 - 20
Number of times exceeded standard	-	0	0	0	0
Total	Day	-	5	31	31
Monitoring	Hour	-	120	744	120
Ambient Air Quality Standard	-	330	120	120	37.5

Remark :-
1) Standards :- Ambient Air Quality Standards of the National Environment Board
2) TSP :- Total Suspended Particulate
3) PM-10 :- Particulate Matter less than 10 µm
4) PM-2.5 :- Particulate Matter with diameter of less than 2.5 micron



MONTHLY REPORT
METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

Month : July

MONITORING STATION : Donsai Sub-district

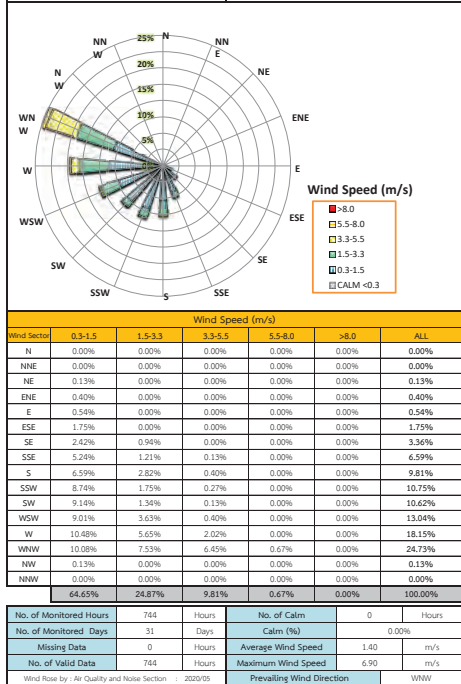
YEAR : 2023

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Jul 23	27.9	40.3	32.3	47	95	76	1.001	1.006	1.004	0.0
2 Jul 23	26.3	38.1	29.8	54	100	86	1.002	1.008	1.005	22.6
3 Jul 23	27.1	35.6	30.4	57	99	79	1.004	1.010	1.007	0.0
4 Jul 23	27.8	36.0	30.6	57	91	75	1.004	1.009	1.007	2.8
5 Jul 23	26.2	36.8	30.2	55	97	79	1.005	1.009	1.006	1.6
6 Jul 23	26.5	38.5	31.3	49	91	74	1.004	1.010	1.007	0.0
7 Jul 23	27.6	40.9	32.7	45	91	70	1.002	1.009	1.006	0.0
8 Jul 23	27.3	38.9	32.1	54	93	77	1.002	1.009	1.006	0.0
9 Jul 23	26.3	35.9	30.7	59	97	80	1.003	1.008	1.005	0.0
10 Jul 23	27.2	37.4	30.6	57	96	81	1.003	1.009	1.006	0.0
11 Jul 23	25.8	39.0	30.2	50	99	82	1.003	1.009	1.007	5.0
12 Jul 23	25.6	38.1	30.9	53	100	80	1.004	1.011	1.007	0.0
13 Jul 23	27.4	38.2	32.1	52	90	71	1.003	1.010	1.007	0.0
14 Jul 23	27.8	37.5	32.0	51	88	69	1.002	1.009	1.007	0.0
15 Jul 23	27.3	37.5	32.3	52	87	66	1.001	1.007	1.004	0.0
16 Jul 23	28.6	36.4	31.7	54	80	69	1.000	1.005	1.002	0.0
17 Jul 23	27.8	35.7	30.9	54	80	69	1.000	1.002	1.001	0.0
18 Jul 23	27.5	34.6	31.1	56	83	68	1.000	1.002	1.001	0.0
19 Jul 23	25.9	35.8	30.6	54	95	72	1.000	1.003	1.001	0.8
20 Jul 23	27.2	35.7	30.4	59	94	78	1.000	1.005	1.002	0.4
21 Jul 23	28.1	36.9	31.2	55	86	73	1.001	1.007	1.004	0.0
22 Jul 23	25.6	36.2	30.2	61	99	82	1.003	1.008	1.006	5.0
23 Jul 23	25.5	37.9	29.0	54	100	87	1.001	1.008	1.006	55.8
24 Jul 23	25.6	35.8	29.7	60	100	83	1.001	1.008	1.004	0.4
25 Jul 23	27.2	36.7	31.1	54	91	73	1.003	1.008	1.005	0.0
26 Jul 23	27.6	38.1	31.7	50	84	70	1.003	1.009	1.006	1.8
27 Jul 23	27.7	37.1	32.0	50	83	67	1.001	1.007	1.005	0.0
28 Jul 23	27.5	34.9	31.1	60	87	72	1.000	1.004	1.002	0.0
29 Jul 23	27.0	34.7	30.2	60	91	78	1.000	1.003	1.002	0.0
30 Jul 23	27.4	33.5	30.0	65	96	82	1.000	1.005	1.002	1.8
31 Jul 23	26.3	35.0	30.2	65	98	81	1.001	1.007	1.004	2.0
Total	25.5	40.9	30.9	45	100	76	1.000	1.011	1.005	100.0
Day	31				31				31	
Hours	744				744			711		742

Remarks :- P = Power Fail, F = Equipment Fail, N/A = Data not Available



Date/Month/Year : 1-31/July/2023 STATION : Donsai Sub-district



Equipment Status of Donsai Sub-district Monitoring Station "July 2023"						
No.	Site	Analyzer	Brand	Model	S/N	Status
5	เขมรราช	SO ₂	Ecotech	EC9808	05-1274	Normal
		O ₃	Ecotech	EC98108	06-0001	Normal
		NO ₂	Thermo	42Q	-	Normal
		DUST (PM - 10/2.5)	Thermo	1405DF		Normal
		DUST (TSP)	Thermo	1400ab	140A6259730601	Fail
						Alarm Board Fail ไม่สามารถเชื่อมต่อได้ เนื่องจากบอร์ด out of service
		O ₂	Riken keiki	OK-600		Fail
						ตู้ควบคุมกำลังขับเคลื่อนเครื่องไม่พร้อม
		Hivolume air sampler(PM-10)	Ecotech	HVS3000	05-1104	Normal
		Hivolume air sampler(TSP)	Ecotech	HVS3000	05-1103	Normal
		WIND SPEED	Met One	010C	ET612	Normal
		WIND DIRECTION	Met One	020C	F1128	Normal
		AT/RH	Met One	083D-1-35	F1320	Normal
		BAROMATIC PRESSURE	Met One	090D	F1231	Normal
		Rain gauge	Met One	-	-	Normal
		Multi Translator	Met One	2270	F1284	Normal
		Data Logger	ADVANTECH	IPC-S10		Normal
		Multi Gas Calibration	SABO	4010	10260306	Normal
		Zero Air Generator	SABO	1001	030614768	Normal
		Modem	Tornado	FMV56.0E	4088712	Normal
		Air Condition 1	Dakin	ARI8DV2S	E003687	Normal
		Air Condition 2	Dakin	ARI8DV2S	E002831	Normal

ภาคผนวก

สถานีบ้านดอนมดตะนอย
(สถานที่ตรวจวัด : วัดนักบุญอันโตนิโอ)



MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.
MONITORING STATION : Ban Don Mod Tanol

MONTH : July
YEAR : 2023

Date	Concentration					
	TSP (µg/m ³)	PM10 (µg/m ³)	SO ₂ (ppb)	NO ₂ (ppb)	O ₃ (ppb)	
	24-Hr. Avg.	24-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Jul 23	21	12	2	2	0 - 6	3 - 42
2 Jul 23	17	6	2	2 - 4	0 - 7	3 - 29
3 Jul 23	20	8	2	1 - 2	0 - 7	3 - 30
4 Jul 23	26	15	2	2	0 - 7	3 - 33
5 Jul 23	26	15	2	2	0 - 6	3 - 35
6 Jul 23	22	9	2	2	0 - 5	4 - 36
7 Jul 23	32	18	2	2	1 - 8	4 - 37
8 Jul 23	27	16	2	2	0 - 6	3 - 47
9 Jul 23	19	9	2	2 - 3	1 - 4	4 - 43
10 Jul 23	21	10	2	2	0 - 4	4 - 31
11 Jul 23	25	13	2	1 - 2	0 - 6	2 - 33
12 Jul 23	26	15	2	1 - 2	1 - 9	3 - 46
13 Jul 23	31	19	2	1 - 2	1 - 7	5 - 30
14 Jul 23	21	12	2	2	1 - 5	4 - 24
15 Jul 23	37	25	2	2	1 - 5	3 - 28
16 Jul 23	28	18	2	2	0 - 4	9 - 25
17 Jul 23	14	2	2	2	0 - 4	13 - 27
18 Jul 23	18	7	2	2 - 3	0 - 6	9 - 32
19 Jul 23	19	8	2	2	1 - 5	9 - 32
20 Jul 23	27	18	2	2	1 - 6	5 - 34
21 Jul 23	30	17	2	2	2 - 7	4 - 31
22 Jul 23	25	16	2	2	1 - 7	6 - 49
23 Jul 23	18	9	2	2	1 - 5	6 - 37
24 Jul 23	34	13	2	2	1 - 5	3 - 40
25 Jul 23	26	16	2	2	1 - 4	3 - 27
26 Jul 23	24	10	2	2	1 - 7	7 - 26
27 Jul 23	24	13	2	2	0 - 5	6 - 23
28 Jul 23	22	10	2	2	1 - 6	3 - 26
29 Jul 23	23	11	2	2	0 - 6	3 - 26
30 Jul 23	27	15	2	2	1 - 6	2 - 30
31 Jul 23	28	18	2	2	1 - 6	4 - 30
Range	14 - 37	2 - 25	2	1 - 4	0 - 9	2 - 37
Number of times exceeded standard	0	0	0	0	0	0
Total	31	31	31	31	31	31
Monitoring hour	744	744	712	712	712	712
Ambient Air Quality Standard	350	120	120	300	170	100

Remark :- 1) Standards = Ambient Air Quality Standards of The National Environment Board
2) TSP = Total Suspended Particulate
3) PM10 = Particulate Matter less than 10 µm
4) SO₂ = Sulfur Dioxide
5) NO₂ = Nitrogen Dioxide
6) N/A = Data not Available
7) * = Exceeding air quality standard
8) - = Not Measurement

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.

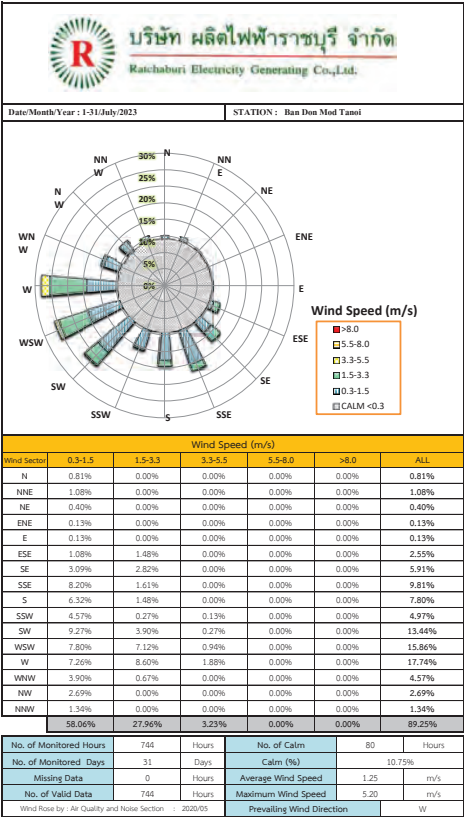
Month : July

MONITORING STATION : Ban Don Mod Tanoi

YEAR : 2023

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Jul 23	26.2	37.9	30.6	41	99	78	1,005	1,008	1,007	0.0
2 Jul 23	25.0	36.1	28.1	47	99	88	1,006	1,010	1,008	15.0
3 Jul 23	25.5	34.0	29.0	53	99	81	1,007	1,011	1,009	4.2
4 Jul 23	26.3	33.9	28.9	51	99	81	1,007	1,010	1,009	0.4
5 Jul 23	24.7	35.1	28.3	47	99	83	1,007	1,010	1,009	0.2
6 Jul 23	24.6	37.5	29.6	39	99	78	1,007	1,011	1,009	0.0
7 Jul 23	25.7	39.1	31.0	39	99	74	1,006	1,010	1,009	0.2
8 Jul 23	26.4	37.2	30.4	47	99	81	1,006	1,010	1,009	0.0
9 Jul 23	25.4	34.1	29.2	53	99	85	1,007	1,010	1,008	0.0
10 Jul 23	25.9	35.0	29.3	54	99	83	1,007	1,010	1,009	0.4
11 Jul 23	24.1	37.3	28.7	44	99	83	1,007	1,011	1,009	0.4
12 Jul 23	24.4	37.9	29.6	42	99	80	1,007	1,011	1,009	0.2
13 Jul 23	25.7	35.1	30.0	49	99	78	1,006	1,011	1,009	0.0
14 Jul 23	26.3	35.8	30.4	43	99	70	1,006	1,011	1,009	0.0
15 Jul 23	25.9	36.3	30.8	43	99	64	1,004	1,009	1,007	0.0
16 Jul 23	27.4	33.8	30.2	50	78	64	1,004	1,008	1,006	0.0
17 Jul 23	26.4	34.2	29.6	46	82	64	1,002	1,006	1,005	0.0
18 Jul 23	26.4	33.1	29.7	47	90	63	1,003	1,006	1,005	0.0
19 Jul 23	24.8	33.8	29.0	46	99	71	1,004	1,007	1,005	0.0
20 Jul 23	26.2	34.9	28.9	49	99	81	1,004	1,008	1,006	0.0
21 Jul 23	26.2	35.0	29.4	51	99	80	1,005	1,009	1,007	0.0
22 Jul 23	24.4	35.2	28.9	51	99	86	1,007	1,010	1,009	0.2
23 Jul 23	24.9	34.3	28.1	56	99	88	1,006	1,010	1,008	0.2
24 Jul 23	24.5	33.5	28.5	54	99	81	1,005	1,010	1,008	0.2
25 Jul 23	25.7	34.9	29.5	46	99	74	1,006	1,010	1,008	0.0
26 Jul 23	26.1	36.1	30.1	43	99	70	1,006	1,010	1,008	0.0
27 Jul 23	26.3	35.6	30.4	41	98	66	1,005	1,009	1,007	0.0
28 Jul 23	26.2	33.8	29.8	52	99	70	1,003	1,008	1,006	0.0
29 Jul 23	25.8	33.2	28.9	52	99	81	1,004	1,007	1,005	0.0
30 Jul 23	26.5	32.3	28.9	61	99	83	1,004	1,008	1,006	0.0
31 Jul 23	25.5	34.3	29.3	56	99	82	1,005	1,009	1,007	0.2
Total	24.1	39.1	29.5	39	99	77	1,002	1,011	1,008	21.8
Day	31			31			31			31
Hours	744			744			744			744

Remarks : P = Power Fail , F = Equipment Fail , N/A = Data not Available



Equipment Status of Ban Don Mod Tanoi Monitoring Station "July 2023"							
No.	Site	Analyzer	Brand	Model	S/N	Status	Description
1	วัดบางกะโด	SO ₂	Thermo Scientific	43-BSCA	116280018	Normal	20511164
		NO ₂	Thermo Scientific	42-B2NDCA	116280016	Normal	20511166
		O ₃	Thermo Scientific	49-B2NCA	116280020	Normal	20511168
		DUST (TSP)	Thermo Scientific	5014/9030	C416461092	Normal	20511172
		DUST (PM - 10)	Thermo Scientific	5014/9030	C416471015	Normal	20511170
		ZERO AP	Thermo Scientific	1160-B4P2N	116280022	Normal	20511174
		CALBRATOR	Thermo Scientific	146-8869/CA	116280024	Normal	20511176
		DATA LOGGER	ADVANTECH	IPC-50	K9A1478934	Normal	60110253.1.3.4
		Switch Hub 16 port	TP-LINK	TL-SF1016	12886700507	Normal	-
		UPS	Power Matec	TR-3000	13K600080	Normal	-
		Display LCD 20"	Hp	P201	6C40151950	Normal	60110253.2
		Keyboard	Logitech	K220	13145C109F28	Normal	-
		Mouse	Logitech	M150	-	Normal	-
		Standard Gas	Algas	-	LL111365	Normal	-
		WIND SPEED	LASTEM	DNA-827	-	Normal	-
		WIND DIRECTION	LASTEM	-	-	-	-
		AIR TEMPERATURE	LASTEM	DWA-875	Ch 1506500	Normal	-
		RELATIVE HUMIDITY	LASTEM	DWA-875	Ch 1506500	Normal	-
		BAROMETRIC PRESSURE	LASTEM	DQA-208	R604016	Normal	-
		RAIN GAUGE	LASTEM	DQA-D30	-	Normal	-

สถานีบ้านบางกะโด

(สถานที่ตรวจวัด : วัดบางกะโด)



MONTHLY REPORT

AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.
MONITORING STATION : Wat Bang Gado

MONTH : July
YEAR : 2023

Date	Concentration					
	TSP (µg/m³)	PM-10 (µg/m³)	SO ₂ (ppb)	NO ₂ (ppb)	O ₃ (ppb)	
	24 Hr. Avg.	24 Hr. Avg.	24 Hr. Avg.	24 Hr. Avg.	24 Hr. Avg.	24 Hr. Avg.
1 Jul 23	30	13	1	1	2 ~ 6	4 ~ 37
2 Jul 23	39	18	1	1	1 ~ 7	6 ~ 36
3 Jul 23	39	20	1	1 ~ 3	1 ~ 5	7 ~ 24
4 Jul 23	56	25	2	1 ~ 3	1 ~ 10	4 ~ 28
5 Jul 23	40	17	1	1 ~ 2	1 ~ 9	4 ~ 32
6 Jul 23	36	22	1	1 ~ 2	1 ~ 7	6 ~ 35
7 Jul 23	38	16	1	1 ~ 2	1 ~ 9	6 ~ 49
8 Jul 23	36	20	1	1	1 ~ 9	5 ~ 51
9 Jul 23	32	13	1	1 ~ 2	1 ~ 6	5 ~ 42
10 Jul 23	30	17	1	1	1 ~ 11	4 ~ 31
11 Jul 23	36	19	1	1 ~ 2	2 ~ 10	3 ~ 40
12 Jul 23	35	21	1	1 ~ 2	1 ~ 10	4 ~ 29
13 Jul 23	38	19	1	1 ~ 2	1 ~ 8	8 ~ 24
14 Jul 23	34	22	2	1 ~ 2	1 ~ 7	5 ~ 21
15 Jul 23	47	31	2	1 ~ 3	1 ~ 8	6 ~ 24
16 Jul 23	42	23	2	1 ~ 3	1 ~ 7	6 ~ 22
17 Jul 23	27	13	1	1 ~ 2	1 ~ 8	11 ~ 24
18 Jul 23	31	9	1	1 ~ 2	1 ~ 5	11 ~ 28
19 Jul 23	32	17	2	1 ~ 2	1 ~ 7	8 ~ 27
20 Jul 23	39	21	1	1 ~ 2	2 ~ 8	4 ~ 29
21 Jul 23	40	20	2	1 ~ 2	2 ~ 8	5 ~ 41
22 Jul 23	38	16	1	1 ~ 2	1 ~ 10	6 ~ 43
23 Jul 23	31	20	1	1 ~ 2	1 ~ 8	3 ~ 33
24 Jul 23	33	14	1	1 ~ 2	1 ~ 7	2 ~ 28
25 Jul 23	41	27	1	1 ~ 2	1 ~ 9	4 ~ 24
26 Jul 23	35	16	2	1 ~ 2	1 ~ 8	6 ~ 21
27 Jul 23	35	21	1	1 ~ 2	1 ~ 6	8 ~ 19
28 Jul 23	34	20	2	1 ~ 2	1 ~ 11	3 ~ 21
29 Jul 23	34	17	1	1 ~ 2	1 ~ 9	3 ~ 20
30 Jul 23	39	22	1	1 ~ 2	1 ~ 8	1 ~ 20
31 Jul 23	42	18	1	1	1 ~ 6	4 ~ 27
Range	27 ~ 47	9 ~ 31	1 ~ 2	1 ~ 3	1 ~ 11	1 ~ 51
Number of limit exceeded standard	0	0	0	0	0	0
Total	31	31	31	31	31	31
Monitoring Hour	744	744	710	710	711	712
Ambient Air Quality Standard	330	120	120	300	170	100

Remark > ① Standards = Ambient Air Quality Standards of the National Environment Board
② TSP = Total Suspended Particulate
③ PM-10 = Particulate Matter less than 10 µm
④ SO₂ = Sulfur Dioxide
⑤ NO₂ = Nitrogen Dioxide
⑥ N/A = Data not Available
⑦ * = Exceeding air quality standard
⑧ - = Not Measurement



MONTHLY REPORT

METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.

Month : July

MONITORING STATION : Wat Bang Gado

YEAR : 2023

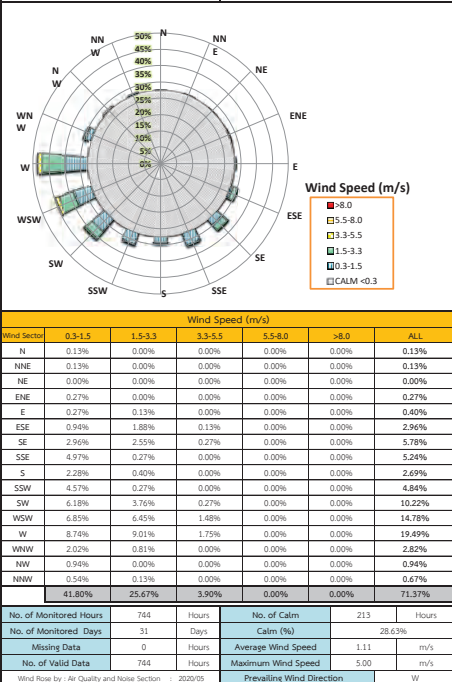
Date	Temperature (° C)			Relative Humidity (%)			Pressure (mb)		Rain Gauge Sum. (mm)	
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.		
1 Jul 23	27.4	36.2	30.7	45	87	70	1.005	1.009	1.007	0.0
2 Jul 23	26.0	34.7	28.5	50	94	80	1.006	1.010	1.008	9.2
3 Jul 23	26.3	33.1	29.2	51	91	72	1.007	1.011	1.009	0.0
4 Jul 23	27.2	33.0	29.4	53	84	68	1.007	1.010	1.009	0.0
5 Jul 23	25.6	33.6	28.7	51	91	74	1.007	1.010	1.009	0.6
6 Jul 23	25.2	36.5	29.7	43	86	69	1.006	1.011	1.009	0.0
7 Jul 23	26.5	37.3	30.9	41	86	65	1.005	1.010	1.009	0.0
8 Jul 23	26.5	35.5	30.1	52	88	73	1.006	1.010	1.009	0.0
9 Jul 23	25.9	33.3	29.1	55	91	76	1.006	1.009	1.008	0.0
10 Jul 23	26.2	33.2	28.9	58	94	78	1.006	1.010	1.008	1.4
11 Jul 23	25.6	35.4	28.6	47	93	77	1.006	1.011	1.009	0.0
12 Jul 23	25.1	35.5	29.6	46	95	75	1.006	1.011	1.009	0.0
13 Jul 23	26.3	35.6	30.5	48	85	65	1.006	1.011	1.009	0.2
14 Jul 23	26.7	34.5	30.4	47	85	64	1.006	1.010	1.009	0.0
15 Jul 23	26.8	35.0	30.7	47	76	60	1.004	1.009	1.007	0.0
16 Jul 23	27.2	33.9	30.2	50	76	63	1.003	1.008	1.006	0.0
17 Jul 23	26.8	33.4	29.6	49	74	63	1.002	1.006	1.004	0.0
18 Jul 23	26.3	32.3	29.6	51	77	62	1.003	1.006	1.005	0.0
19 Jul 23	25.4	33.6	29.2	48	88	65	1.003	1.007	1.005	0.4
20 Jul 23	26.3	32.9	28.8	57	89	73	1.004	1.008	1.006	0.6
21 Jul 23	27.2	33.8	29.6	52	79	68	1.005	1.009	1.007	0.0
22 Jul 23	24.9	34.1	29.0	55	94	77	1.006	1.010	1.008	5.8
23 Jul 23	25.4	34.7	28.1	51	96	82	1.005	1.010	1.008	18.4
24 Jul 23	25.1	33.2	28.7	56	97	77	1.005	1.009	1.007	0.4
25 Jul 23	26.4	34.2	29.6	49	85	67	1.005	1.010	1.008	0.2
26 Jul 23	26.7	35.1	30.1	48	77	64	1.006	1.010	1.008	0.0
27 Jul 23	27.1	34.8	30.4	45	75	61	1.005	1.009	1.007	0.0
28 Jul 23	26.6	33.0	29.6	57	80	67	1.003	1.008	1.006	0.6
29 Jul 23	26.4	32.8	28.9	55	86	72	1.004	1.007	1.005	0.0
30 Jul 23	26.8	31.9	28.9	58	90	75	1.004	1.008	1.006	0.8
31 Jul 23	25.9	32.7	28.9	59	91	75	1.005	1.009	1.007	0.6
Total	24.9	37.3	29.5	41	97	70	1.002	1.011	1.007	39.2
Day	31			31			31			31
Hours	744			744			744			744

Remarks > P = Power Fail, F = Equipment Fail, N/A = Data not Available



Date/Month/Year : 1-31/July/2023

STATION : Wat Bang Gado



สถานีบ้านคลองแค
(สถานที่ตรวจวัด : วัดโพธิ์ราษฎร์บูรณะ)



MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.
MONITORING STATION : Ban Klong Klæe

MONTH : July
YEAR : 2023

Date	Concentration					
	TSP (µg/m ³)	PM-10 (µg/m ³)	SO ₂ (ppb)	NO ₂ (ppb)	O ₃ (ppb)	
	24 Hr. Avg.	24 Hr. Avg.	24 Hr. Avg.	1 Hr. Avg.	1 Hr. Avg.	1 Hr. Avg.
1 Jul 23	21	19	2	2	2 - 8	2 - 37
2 Jul 23	14	8	2	2 - 3	2 - 8	3 - 35
3 Jul 23	18	15	2	2 - 3	2 - 11	3 - 27
4 Jul 23	25	18	2	2 - 3	2 - 12	2 - 32
5 Jul 23	27	19	2	2 - 3	2 - 10	3 - 33
6 Jul 23	24	15	3	2 - 3	2 - 9	3 - 37
7 Jul 23	26	21	2	2 - 3	2 - 11	4 - 61
8 Jul 23	28	18	3	2 - 3	2 - 10	2 - 49
9 Jul 23	19	16	3	3	3 - 7	4 - 39
10 Jul 23	23	15	3	2 - 4	2 - 9	2 - 37
11 Jul 23	23	22	3	3 - 4	2 - 11	2 - 46
12 Jul 23	21	16	3	2 - 4	2 - 13	3 - 37
13 Jul 23	24	20	2	1 - 3	2 - 8	5 - 29
14 Jul 23	19	13	2	1 - 2	2 - 7	3 - 23
15 Jul 23	31	30	2	1 - 2	2 - 7	3 - 21
16 Jul 23	25	18	2	1 - 2	2 - 5	8 - 21
17 Jul 23	12	9	2	1 - 2	2 - 9	10 - 25
18 Jul 23	18	13	1	1 - 2	2 - 8	7 - 31
19 Jul 23	18	16	2	1 - 2	2 - 9	8 - 29
20 Jul 23	26	21	2	2	2 - 8	3 - 25
21 Jul 23	23	22	2	2	3 - 7	4 - 43
22 Jul 23	24	20	2	2	3 - 10	7 - 44
23 Jul 23	14	11	2	1 - 2	2 - 8	5 - 35
24 Jul 23	19	17	2	2	2 - 10	2 - 36
25 Jul 23	23	18	2	2	2 - 8	5 - 27
26 Jul 23	20	20	2	2	2 - 10	4 - 29
27 Jul 23	22	15	1	1 - 2	2 - 8	7 - 26
28 Jul 23	18	17	2	1 - 2	2 - 9	3 - 21
29 Jul 23	20	16	2	1 - 2	2 - 9	2 - 22
30 Jul 23	24	20	2	1 - 2	2 - 8	2 - 23
31 Jul 23	24	18	2	1 - 2	2 - 6	4 - 29
Range	12 - 31	8 - 30	1 - 3	1 - 4	2 - 13	2 - 61
Number of times exceeded standard	0	0	0	0	0	0
Total Day	31	31	31	31	31	31
Monitoring Hour	732	730	714	714	714	714
Ambient Air Quality Standard	330	120	120	300	170	100

Remark > 1) Standards - Ambient Air Quality Standards of the National Environment Board
2) TSP - Total Suspended Particulate
3) PM-10 - Particulate Matter less than 10 µm
4) SO₂ - Sulfur Dioxide
5) NO₂ - Nitrogen Dioxide
6) N/A - Data not Available
7) * - Exceeding air quality standard
8) - - Not Measurement



MONTHLY REPORT
METEOROLOGY MONITORING RESULT

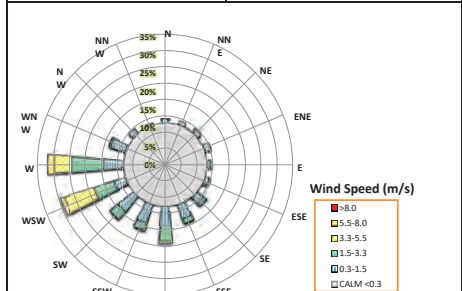
PROJECT : Ratchaburi Electricity Generating Co.,Ltd. Month : July
MONITORING STATION : Ban Klong Klæe YEAR : 2023

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Jul 23	26.6	36.6	30.6	45	100	79	1,004	1,007	1,006	0.2
2 Jul 23	24.6	35.5	28.0	50	100	89	1,005	1,009	1,007	24.0
3 Jul 23	25.3	33.4	28.9	53	100	80	1,006	1,010	1,008	0.2
4 Jul 23	27.0	33.9	29.6	53	99	76	1,006	1,009	1,008	2.6
5 Jul 23	25.7	35.2	28.9	47	99	81	1,006	1,009	1,008	1.0
6 Jul 23	25.1	36.7	29.7	43	99	79	1,005	1,010	1,008	0.0
7 Jul 23	26.2	38.1	31.1	38	99	73	1,004	1,009	1,007	0.0
8 Jul 23	26.5	36.1	30.4	49	99	80	1,005	1,009	1,007	0.0
9 Jul 23	25.6	34.0	29.4	53	99	80	1,005	1,008	1,007	0.0
10 Jul 23	25.9	34.3	28.9	52	99	84	1,005	1,009	1,007	1.0
11 Jul 23	23.8	36.2	28.2	44	100	85	1,005	1,010	1,008	7.2
12 Jul 23	25.0	35.2	29.4	50	100	85	1,005	1,010	1,008	6.6
13 Jul 23	26.1	36.4	30.4	46	99	73	1,005	1,010	1,008	0.0
14 Jul 23	27.1	35.4	31.0	45	95	62	1,004	1,009	1,007	0.0
15 Jul 23	26.6	35.9	31.1	43	95	60	1,003	1,008	1,006	0.0
16 Jul 23	28.5	33.8	30.6	49	69	61	1,002	1,007	1,005	0.0
17 Jul 23	27.6	33.5	29.9	49	69	61	1,001	1,005	1,003	0.0
18 Jul 23	26.4	33.0	30.0	49	89	61	1,001	1,005	1,003	0.0
19 Jul 23	25.0	33.5	29.4	48	99	67	1,002	1,006	1,004	2.0
20 Jul 23	26.7	33.3	29.2	53	99	76	1,003	1,007	1,005	1.0
21 Jul 23	26.8	34.5	29.7	53	99	73	1,004	1,008	1,006	0.0
22 Jul 23	25.1	34.6	29.2	51	99	81	1,005	1,009	1,007	4.0
23 Jul 23	25.0	34.5	28.0	53	100	87	1,004	1,009	1,007	12.6
24 Jul 23	24.8	33.4	28.8	52	100	78	1,004	1,008	1,006	0.2
25 Jul 23	26.1	34.6	30.0	47	99	67	1,005	1,009	1,007	0.0
26 Jul 23	26.3	35.4	30.3	46	99	65	1,004	1,009	1,007	0.4
27 Jul 23	27.3	35.6	30.7	42	75	60	1,004	1,008	1,006	0.0
28 Jul 23	26.7	33.7	30.3	50	93	63	1,002	1,006	1,004	0.0
29 Jul 23	26.7	32.2	29.0	57	99	79	1,003	1,006	1,004	0.0
30 Jul 23	26.6	32.5	29.1	58	99	80	1,003	1,006	1,004	0.0
31 Jul 23	25.9	33.4	29.3	56	99	78	1,004	1,008	1,006	1.0
Total	23.8	38.1	29.6	38	100	74	1,001	1,010	1,006	64.0
Day	31			31			31			31
Hours	744			744			744			744

Remarks > P = Power Fail, F = Equipment Fail, N/A = Data not Available



Date/Month/Year : 1-31/July/2023 STATION : Ban Klong Klæe



Wind Speed (m/s)					
Wind Sector	0.0-0.9	1.0-1.9	2.0-2.9	3.0-3.9	All
N	1.21%	0.00%	0.00%	0.00%	1.21%
NNE	1.08%	0.00%	0.00%	0.00%	1.08%
NE	1.35%	0.00%	0.00%	0.00%	1.35%
ENE	1.62%	0.00%	0.00%	0.00%	1.62%
E	0.67%	0.54%	0.00%	0.00%	1.21%
ESE	1.08%	0.27%	0.00%	0.00%	1.35%
SE	2.29%	0.94%	0.00%	0.00%	3.24%
SSE	3.91%	1.35%	0.27%	0.00%	5.53%
S	5.40%	4.18%	0.54%	0.00%	10.12%
SSW	5.13%	2.16%	0.13%	0.00%	7.42%
SW	5.26%	2.70%	0.13%	0.00%	8.10%
WSW	3.24%	5.80%	8.50%	1.35%	18.89%
W	5.40%	8.77%	4.59%	2.02%	20.78%
WNW	4.05%	0.40%	0.13%	0.00%	4.59%
NW	1.62%	0.00%	0.00%	0.00%	1.62%
NNW	0.54%	0.00%	0.00%	0.00%	0.54%
Total	43.86%	27.13%	14.30%	3.37%	88.66%

No. of Monitored Hours	744	Hours	No. of Calm (%)	84	Hours
No. of Monitored Days	31	Days	Calm (%)	11.34%	
Missing Data	3	Hours	Average Wind Speed	1.82	m/s
No. of Valid Data	741	Hours	Maximum Wind Speed	6.70	m/s
Wind rose by Air Quality and Noise Section 2020/05				Prevailing Wind Direction	
				W	

Equipment Status of Ban Klong Klai Monitoring Station "July 2023"							
No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No
3	สถานีตรวจวัด (สถานีตรวจวัด)	SC ₂	Thermo Scientific	43-B2SCA	116280017	Normal	20511163
		NO ₂	Thermo Scientific	42-B2NO2CA	116280015	Normal	20511165
		SO ₂	Thermo Scientific	49-B2SCA	116280019	Normal	20511167
		INLET (TSP)	Thermo Scientific	5014/5030	CM16461001	Normal	20511171
		DUST (PM - 10)	Thermo Scientific	5014/5030	CM16470014	Normal	20511169
		2500 AB	Thermo Scientific	1160-BH20N	116280021	Normal	20511173
		CALIBRATOR	Thermo Scientific	1460-B66RCA	116280023	Normal	20511175
		DATA LOGGER	ADVANTECH	IPC-90	KMA147893A	Normal	60110255.0.1.3.4
		DATA LOGGER	HP	HP Compaq	SG502CQWW2	Normal	99000095.1
		Switch Hub 16 port	D-LINK	DES-101160	F30K5CA002170	Normal	-
		UPS	Power Mate	YH-3000	13 KEI 00087	Normal	-
		CPU	hp	dt530 SFF	5G44030WY	Normal	-
		Display LCD 20"	HP	P201	6CM3151954	Normal	60110255.2
		Keyboard Wireless	Logitech	K220	13145C105FH8	Normal	-
		Mouse Wireless	Logitech	M150	-	Normal	-
		Standard Gas	Airgas	-	LL156448	Normal	-
		WIND SPEED	LASTEM	DNA B21	20030210	Normal	-
		WIND DIRECTION	LASTEM	-	-	Normal	-
		AIR TEMPERATURE	LASTEM	DMA B75	CH1556488	Normal	-
		RELATIVE HUMIDITY	LASTEM	DMA B75	CH1556488	Normal	-
		BAROMETRIC PRESSURE	LASTEM	DCA 208	R040217	Normal	-
		RAIN GAUGE	LASTEM	DCA 030	-	Normal	-

สถานีบ้านชาวเหนือ
(สถานที่ตรวจวัด : บ้านชาวเหนือ)

MONTHLY REPORT							
AMBIENT AIR QUALITY MONITORING RESULT							
PROJECT : Ratchaburi Electricity Generating Co.,Ltd.				MONTH : July			
MONITORING STATION : Ban Chao Nua				YEAR : 2023			
Date	Concentration						
	TSP (µg/m ³)	PM-10 (µg/m ³)	SO ₂ (ppb)		NO ₂ (ppb)		O ₃ (ppb)
	24-Hr Avg.	24-Hr Avg.	24-Hr Avg.	1-Hr Avg.	1-Hr Avg.	1-Hr Avg.	1-Hr Avg.
1 Jul 23	14	12	1	1	0 - 3	14 - 46	
2 Jul 23	15	12	1	1	0 - 3	15 - 37	
3 Jul 23	16	12	1	1 - 2	0 - 7	17 - 38	
4 Jul 23	20	19	1	1	2 - 10	14 - 39	
5 Jul 23	21	17	1	1	1 - 7	14 - 46	
6 Jul 23	17	15	1	1	1 - 7	17 - 52	
7 Jul 23	21	16	1	1	2 - 8	17 - 66	
8 Jul 23	20	18	1	1	2 - 6	16 - 60	
9 Jul 23	14	13	1	1 - 2	2 - 4	16 - 53	
10 Jul 23	13	11	1	1	1 - 5	15 - 41	
11 Jul 23	14	13	1	1	1 - 6	14 - 51	
12 Jul 23	17	15	1	1	1 - 7	7 - 43	
13 Jul 23	17	16	1	1	0 - 8	8 - 24	
14 Jul 23	16	15	1	1	2 - 5	7 - 21	
15 Jul 23	N/A	N/A	1	1	1 - 6	6 - 23	
16 Jul 23	N/A	N/A	1	1	2 - 4	9 - 22	
17 Jul 23	8	7	1	1	2 - 6	11 - 24	
18 Jul 23	12	10	1	1	2 - 7	10 - 28	
19 Jul 23	16	14	1	1	2 - 6	9 - 27	
20 Jul 23	23	22	1	1	3 - 7	6 - 26	
21 Jul 23	20	19	1	1	2 - 7	6 - 43	
22 Jul 23	N/A	N/A	1	1	2 - 9	7 - 44	
23 Jul 23	12	10	1	1	1 - 6	5 - 32	
24 Jul 23	N/A	N/A	1	1	2 - 6	3 - 35	
25 Jul 23	N/A	N/A	1	1	1 - 6	6 - 24	
26 Jul 23	17	16	1	1	1 - 6	11 - 22	
27 Jul 23	17	16	1	1	1 - 4	7 - 20	
28 Jul 23	15	13	1	1	1 - 5	6 - 23	
29 Jul 23	20	18	1	1	1 - 6	3 - 22	
30 Jul 23	21	20	1	1	1 - 6	3 - 22	
31 Jul 23	24	22	1	1	1 - 4	5 - 28	
Range	8 - 24	7 - 22	1	1 - 2	0 - 10	3 - 66	
Number of times exceeded standard	0	0	0	0	0	0	
Total Day	26	26	31	31	31	31	
Monitoring Hour	541	554	711	711	711	711	
Ambient Air Quality Standard	330	120	120	300	170	100	

Remark >

1) Standards

2) TSP

3) PM-10

4) SO₂

5) NO₂

= Ambient Air Quality Standards of the National Environment Board

= Total Suspended Particulate

= Particulate Matter less than 10 µm

= Sulfur Dioxide

= Nitrogen Dioxide

6) N/A

7) *

8) -

= Data not Available

= Exceeding air quality standard

= Not Measurement

MONTHLY REPORT											
METEOROLOGY MONITORING RESULT											
PROJECT : Ratchaburi Electricity Generating Co.,Ltd.						Month : July					
MONITORING STATION : Ban Chao Nua						YEAR : 2023					
Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)		Rain Gauge		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Sum. (mm)	
1 Jul 23	26.8	36.7	30.7	45	99	78	1,002	1,006	1,004	0.2	
2 Jul 23	24.8	34.9	28.2	51	100	88	1,003	1,007	1,005	17.0	
3 Jul 23	26.0	33.5	29.3	51	99	78	1,004	1,008	1,006	0.2	
4 Jul 23	26.5	33.7	29.4	53	99	76	1,004	1,008	1,006	0.0	
5 Jul 23	25.2	34.9	28.6	48	99	83	1,005	1,007	1,006	1.4	
6 Jul 23	25.4	36.1	29.6	44	99	78	1,004	1,008	1,007	0.2	
7 Jul 23	26.4	37.3	30.9	41	99	72	1,003	1,007	1,006	0.0	
8 Jul 23	26.6	35.7	30.1	52	99	82	1,003	1,008	1,006	0.0	
9 Jul 23	25.6	33.3	29.1	55	99	84	1,004	1,007	1,005	0.0	
10 Jul 23	26.1	33.6	28.9	60	99	85	1,003	1,007	1,006	0.6	
11 Jul 23	24.5	35.7	28.5	46	99	84	1,004	1,008	1,006	0.8	
12 Jul 23	25.1	35.2	29.4	50	99	84	1,004	1,009	1,006	0.2	
13 Jul 23	26.4	35.5	30.4	49	99	74	1,003	1,008	1,006	0.6	
14 Jul 23	26.6	35.1	30.7	47	99	68	1,003	1,008	1,006	0.0	
15 Jul 23	26.7	35.8	31.0	45	85	60	1,002	1,006	1,005	0.0	
16 Jul 23	27.8	34.6	30.5	49	76	63	1,001	1,005	1,003	0.0	
17 Jul 23	26.8	34.3	29.8	47	78	63	999	1,003	1,002	0.0	
18 Jul 23	26.4	33.0	29.8	49	91	64	1,000	1,003	1,002	0.0	
19 Jul 23	25.1	33.9	29.4	47	99	69	1,001	1,004	1,002	0.4	
20 Jul 23	26.1	33.5	28.9	55	99	80	1,001	1,005	1,003	0.8	
21 Jul 23	26.7	34.4	29.7	52	97	76	1,002	1,006	1,005	0.2	
22 Jul 23	25.1	34.5	29.0	54	99	84	1,004	1,007	1,006	4.4	
23 Jul 23	25.2	34.2	28.1	55	99	88	1,003	1,007	1,006	9.8	
24 Jul 23	24.9	33.3	28.7	57	100	82	1,002	1,007	1,005	0.2	
25 Jul 23	26.1	35.0	29.9	47	99	72	1,003	1,007	1,005	0.2	
26 Jul 23	26.7	35.5	30.3	47	98	69	1,003	1,007	1,006	0.4	
27 Jul 23	26.9	35.3	30.6	44	91	65	1,002	1,007	1,005	0.0	
28 Jul 23	27.0	33.4	30.1	53	88	69	1,001	1,005	1,003	0.0	
29 Jul 23	26.5	33.8	29.1	53	99	81	1,001	1,004	1,003	0.0	
30 Jul 23	26.6	32.3	29.1	59	99	81	1,001	1,005	1,003	0.2	
31 Jul 23	25.8	33.3	29.2	59	99	82	1,002	1,006	1,004	0.8	
Total	24.5	37.3	29.6	41	100	76	999	1,009	1,005	38.6	
Day	31								31		
Hours	744								744		

Remarks >

P = Power Fail, F = Equipment Fail, N/A = Data not Available

Corrective maintenance work list

[illegible]

Weekly Report _ AAQM-RB		
Site :	<u>Ratchaburi Power Plant</u>	Week No. <u>27</u>
Date :	<u>2-Jul-23</u> to <u>8-Jul-23</u>	
ผู้ปฏิบัติงาน : 1)	<u>นาย พงศ์วิริยะ เขาวลิตร์</u>	2) _____
3)	<u> </u>	4) _____
พพร. :	<u>นาย สภา กรูมรัมย์</u>	
สรุปรายละเอียดการปฏิบัติงาน		
- Data logger ปกติ		
- Station โตรอบปกติ		
- Standard gas 1790 psi		
- Replace filter high-volume Run 08/07/2023		
- Replace Filter loading 1405DF		
- Cal Single point SO ₂ ,NO _x O ₃		
Remark :		
		<u>นาย พงศ์วิริยะ เขาวลิตร์</u> ผู้ปฏิบัติงาน Date : <u>9-Jul-2023</u>

Weekly Report _ AAQM-RB		
Site :	Ratchaburi Power Plant	Week No. 28
Date :	9-Jul-23 to 15-Jul-23	
ผู้ปฏิบัติงาน : 1)	นาย พงศ์วิริยะ เขาวลิตร์	2) _____
3)	_____	4) _____
พชร. :	นาย สจำ กรณรัมย์	
<u>สรุปรายละเอียดการปฏิบัติงาน</u>		
- Data logger ปกติ		
- Station โดยรอบปกติ		
- Standard gas 1790 psi		
- Replace filter high-volume Run 14/07/2023		
- Cal Multi point SO ₂ ,NO _x ,O ₃		
Remark :		
<div style="text-align: right;"> <u>นาย พงศ์วิริยะ เขาวลิตร์</u> ผู้ปฏิบัติงาน Date : 16-Jul-2023 </div>		

Weekly Report _ AAQM-RB						
Site :	<u>Ratchaburi Power Plant</u>				Week No.	<u>29</u>
Date :	<u>16-Jul-23</u>	to	<u>22-Jul-23</u>			
ผู้ปฏิบัติงาน : 1)	<u>นาย พงศ์วิริยะ เขาวลิตร์</u>		2)	<u></u>		
3)	<u></u>		4)	<u></u>		
พชร. :	<u>นาง สจำ กรุณรัมย์</u>					
สรุปรายละเอียดการปฏิบัติงาน						
- Data logger ปกติ						
- Station โดยรอบปกติ						
- Standard gas 1790 psi						
- Replace filter high-volume Run 20/07/2023						
Remark :						
	นาย พงศ์วิริยะ เขาวลิตร์ ผู้ปฏิบัติงาน					
Date :	<u>23-Jul-2023</u>					

[illegible]

Calibration Sheet

Project : Ratchaburi Power Plant

Page 01

Site No. : 5

Station : Donsai

Date : 5 Jul 23

Start Time : 10:00

Analyzer	SO ₂	NO _x	O ₃	Standard Gas	SO ₂	NO _x	Remark
Manufacturer	ECOTECH	Thermo	ECOTECH	Cylinder No.	D 636099		
Model	EC 9850B	42Q-IBANN	EC 9810 B	Concentration	50.10	51.90	
Serial No.	05-1274	1181510016	06-0001	Multi Gas Calibrator			
Range	0 - 500 ppb	0 - 500 ppb	0 - 500 ppb	Model : Sabco(4010)	Serial No. : -		

Phase	Set Point	Desire Value			Monitor Value			% Drift			Factor					
SO ₂ Before Calibrate	Zero	0.0			2.0			-2.0		-0.4	Gain : 21.50					
	Span(Lo.)	80.0			-			-		-						
	Span(Mid.)	150.0			-			-		-						
	Span(Hi.)	450.0			450.0			0.0		0.0						
SO ₂ After Calibrate	Zero	0.0			-			-		-	Gain : -					
	Span(Lo.)	80.0			-			-		-						
	Span(Mid.)	150.0			-			-		-						
	Span(Hi.)	450.0			-			-		-						
NO _x Before Calibrate	Zero	0.0	0.0	0.0	3.1	1.7	4.8	-3.1	-1.7	-4.8	-0.6	-0.3	-1.0			
	Span(Lo.)	80.0	0.0	80.0	-	-	-	-	-	-	-	-	-			
	Span(Mid.)	150.0	0.0	150.0	-	-	-	-	-	-	-	-	-			
	Span(Hi.)	450.0	0.0	450.0	438.0	-1.0	437.0	12.0	1.0	13.0	2.7	0.2	2.9			
NO _x After Calibrate	Zero	0.0	0.0	0.0	1.0	2.0	3.0	-1.0	-2.0	-3.0	-0.2	-0.4	-0.6			
	Span(Lo.)	80.0	0.0	80.0	-	-	-	-	-	-	-	-	-			
	Span(Mid.)	150.0	0.0	150.0	-	-	-	-	-	-	-	-	-			
	Span(Hi.)	450.0	0.0	450.0	450.0	0.0	450.0	0.0	0.0	0.0	0.0	0.0	0.0			
O ₃ Before Calibrate	Zero	0.0			3.0			-3.0		-0.6	Gain : 1.019					
	Span(Lo.)	80.0			-			-		-						
	Span(Mid.)	150.0			-			-		-						
	Span(Hi.)	450.0			419.0			31.0		6.9						
O ₃ After Calibrate	Zero	0.0			3.0			-3.0		-0.6	Gain : 1.128					
	Span(Lo.)	80.0			-			-		-						
	Span(Mid.)	150.0			-			-		-						
	Span(Hi.)	450.0			450.0			0.0		0.0						
Zero Drift = Desire Value - Monitor Value		Span Drift = Desire Value - Monitor Value						Span Drift = (Span Drift/Desire Value) * 100								
% Zero Drift = (Zero Drift/Full Scale) * 100								% Span Drift = (Span Drift/Desire Value) * 100								
% Zero Drift +/- 3% Accept Data								% Span Drift +/- 5% Accept Data								

Calibrate by : Pongviya

Finish Time : 11:00

Calibration Sheet

Project : Ratchaburi Power Plant

Page 02

Site No. : 5

Station : Donsai

Date : 11 Jul 23

Start Time : 09:00

Analyzer	SO ₂	NO _x	O ₃	Standard Gas	SO ₂	NO _x	Remark
Manufacturer	ECOTECH	Thermo	ECOTECH	Cylinder No.	D 636099		
Model	EC 9850B	42Q-BBANN	EC 9810 B	Concentration	50.10	51.90	
Serial No.	05-1274	1181510016	06-0001	Multi Gas Calibrator			
Range	0 - 500 ppb	0 - 500 ppb	0 - 500 ppb	Model : Sabco(4010)	Serial No. : -		

Phase	Set Point	Desire Value			Monitor Value			Drift			% Drift			Factor
SO ₂ Before Calibrate	Zero	0.0			3.0			-3.0			-0.6			Gain : 21.50
	Span(Lo.)	80.0			83.0			-3.0			-3.8			
	Span(Mid.)	150.0			154.0			-4.0			-2.7			
	Span(Hi.)	450.0			449.0			1.0			0.2			
SO ₂ After Calibrate	Zero	0.0			-			-			-			Gain : -
	Span(Lo.)	80.0			-			-			-			
	Span(Mid.)	150.0			-			-			-			
	Span(Hi.)	450.0			-			-			-			
NO _x Before Calibrate	Zero	0.0	0.0	0.0	2.5	0.5	3.0	-2.5	-0.5	-3.0	-0.5	-0.1	-0.6	NO COEF : 1.029 NO ₂ COEF : 1.000 NO _x COEF : 1.000
	Span(Lo.)	80.0	0.0	80.0	-	-	-	-	-	-	-	-	-	
	Span(Mid.)	150.0	0.0	151.0	-	-	-	-	-	-	-	-	-	
	Span(Hi.)	450.0	0.0	450.0	443.0	0.0	444.0	7.0	0.0	6.0	1.6	0.0	1.3	
NO _x After Calibrate	Zero	0.0	0.0	0.0	2.5	0.5	3.0	-2.5	-0.5	-3.0	-0.5	-0.1	-0.6	NO COEF : 1.045 NO ₂ COEF : 1.000 NO _x COEF : 1.000
	Span(Lo.)	80.0	1.0	81.0	78.0	0.0	78.0	2.0	1.0	3.0	2.5	0.2	3.7	
	Span(Mid.)	150.0	1.0	151.0	147.0	0.0	147.0	3.0	1.0	4.0	2.0	0.2	2.6	
	Span(Hi.)	450.0	0.0	450.0	450.0	1.0	451.0	0.0	-1.0	-1.0	0.0	-0.2	-0.2	
O ₃ Before Calibrate	Zero	0.0			3.0			-3.0			-0.6			Gain : 1.128
	Span(Lo.)	80.0			-			-			-			
	Span(Mid.)	150.0			-			-			-			
	Span(Hi.)	450.0			460.0			-10.0			-2.2			
O ₃ After Calibrate	Zero	0.0			3.0			-3.0			-0.6			Gain : 1.104
	Span(Lo.)	80.0			77.0			3.0			3.8			
	Span(Mid.)	150.0			153.0			-3.0			-2.0			
	Span(Hi.)	450.0			453.0			-3.0			-0.7			
		Zero Drift = Desire Value - Monitor Value % Zero Drift = (Zero Drift/Full Scale) * 100 % Zero Drift +/- 3% Accept Data						Span Drift = Desire Value - Monitor Value % Span Drift = (Span Drift/Desire Value) * 100 % Span Drift +/- 5% Accept Data						

Calibrate by : Pongviya

Finish Time : 12:00

Air Quality & Noise Section, Environmental Quality Monitoring Department, Project Environment Division, EGAT

Comment

Calibration Sheet

Project : Ratchaburi Power Plant

Page 03

Site No. : 5

Station : Donsai

Date : 20 Jul 23

Start Time : 14.30

Analyzer	SO ₂	NO _x	O ₃	Standard Gas	SO ₂	NO _x	Remark
Manufacture	ECOTECH	Thermo	ECOTECH	Cylinder No.	D 636099		
Model	EC 9850B	42IQ-BBANN	EC 9810 B	Concentration	50.10	51.90	
Serial No.	05-1274	1181510016	06-0001	Multi Gas Calibrator			
Range	0 - 500 ppb	0 - 500 ppb	0 - 500 ppb	Model : Sabcio(4010)	Serial No. : 10260306		

Phase	Set Point	Desire Value		Monitor Value		Drift		% Drift		Factor				
SO ₂ Before Calibrate	Zero	0.0		2.0		-2.0		-0.4		Gain : 21.50				
	Span(Lo.)	80.0		-		-		-						
	Span(Mid.)	150.0		-		-		-						
	Span(Hi.)	450.0		454.0		-4.0		-0.9						
SO ₂ After Calibrate	Zero	0.0		2.0		-2.0		-0.4		Gain : 21.18				
	Span(Lo.)	80.0		-		-		-						
	Span(Mid.)	150.0		-		-		-						
	Span(Hi.)	450.0		449.0		1.0		0.2						
		NO	NO ₂	NO _x	NO	NO ₂	NO _x	NO	NO ₂	NO _x				
NO _x Before Calibrate	Zero	0.0	0.0	0.0	2.5	0.0	2.5	-2.5	0.0	-2.5	-0.5	0.0	-0.5	NO COEF : 1.045 NO ₂ COEF : 1.000 NO _x COEF : 1.000
	Span(Lo.)	80.0	1.0	81.0	-	-	-	-	-	-	-	-	-	
	Span(Mid.)	150.0	1.0	151.0	-	-	-	-	-	-	-	-	-	
	Span(Hi.)	450.0	2.0	452.0	457.0	2.0	459.0	-7.0	0.0	-7.0	-1.6	0.0	-1.5	
NO _x After Calibrate	Zero	0.0	0.0	0.0	2.5	0.0	2.5	-2.5	0.0	-2.5	-0.5	0.0	-0.5	NO COEF : 1.027 NO ₂ COEF : 1.000 NO _x COEF : 1.000
	Span(Lo.)	80.0	1.0	81.0	-	-	-	-	-	-	-	-	-	
	Span(Mid.)	150.0	1.0	151.0	-	-	-	-	-	-	-	-	-	
	Span(Hi.)	450.0	2.0	452.0	450.0	1.0	451.0	0.0	1.0	1.0	0.0	0.2	0.2	
O ₃ Before Calibrate	Zero	0.0		6.0		-6.0		-1.2		Gain : 1.104				
	Span(Lo.)	80.0		-		-		-						
	Span(Mid.)	150.0		-		-		-						
	Span(Hi.)	450.0		429.0		21.0		4.7						
O ₃ After Calibrate	Zero	0.0		1.0		-1.0		-0.2		Gain : 1.156				
	Span(Lo.)	80.0		-		-		-						
	Span(Mid.)	150.0		-		-		-						
	Span(Hi.)	450.0		450.0		0.0		0.0						
Zero Drift = Desire Value - Monitor Valve						Span Drift = Desire Valve - Monitor Value								
% Zero Drift = (Zero Drift/Full Scale) * 100						% Span Drift = (Span Drift/Desire Value) * 100								
% Zero Drift +/- 3% Accept Data						% Span Drift +/- 5% Accept Data								

Calibrate by : Pongvinya

Finish Time : 16.00

Air Quality & Noise Section, Environmental Quality Monitoring Department, Project Environment Division, EGAT

Comment : _____



รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง
บริษัท ราชบุรีเพาเวอร์ จำกัด

ประจำเดือนสิงหาคม 2566

เสนอต่อ

บริษัท ราชบุรีเพาเวอร์ จำกัด

โดย

ฝ่ายสิ่งแวดล้อมโครงการ

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง
บริษัท ราชบุรีเพาเวอร์ จำกัด
ประจำเดือนสิงหาคม 2566

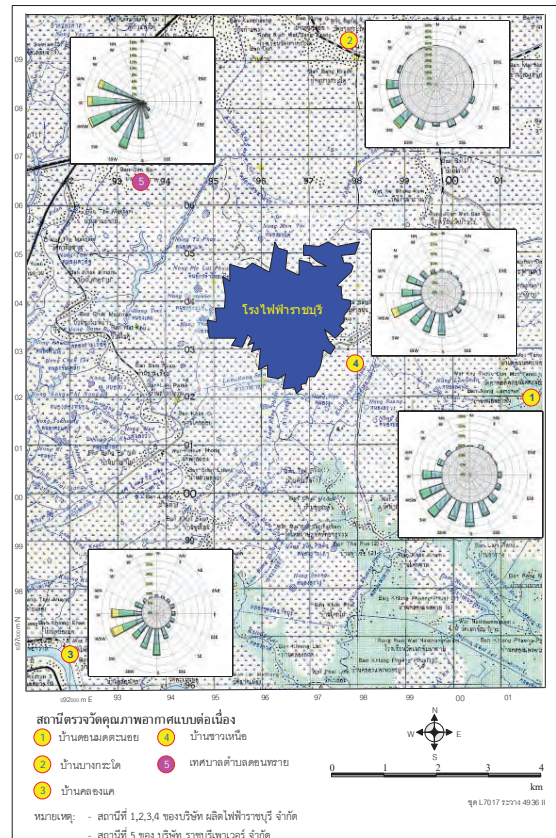
รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง บริษัท ราชบุรีเพาเวอร์ จำกัด เดือนสิงหาคม 2566

ผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง บริษัท ราชบุรีเพาเวอร์ จำกัด ประจำเดือนสิงหาคม 2566 จากสถานีตรวจวัดคุณภาพอากาศเทศบาลตำบลดอนทราย ผลการตรวจวัดดัชนีคุณภาพอากาศ พบว่า ผุนละอองรวม ผุนละอองขนาดเล็ก 10 ไมครอน ผุนละอองขนาดเล็ก 2.5 ไมครอน ก๊าซซัลเฟอร์ไดออกไซด์ ก๊าซไนโตรเจนไดออกไซด์ และก๊าซโอโซน มีค่าอยู่ในเกณฑ์มาตรฐานคุณภาพอากาศในบรรยากาศโดยทั่วไปตามประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ โดยมีรายละเอียดดังนี้

สรุปผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง (สิงหาคม 2566)

สถานีตรวจวัด	ค่าเฉลี่ยในเวลา 24 ชั่วโมง				ค่าเฉลี่ยในเวลา 1 ชั่วโมง		
	(µg/m ³)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
เทศบาลตำบลดอนทราย	TSP	PM-10	PM-2.5	SO ₂	NO ₂	O ₃	
มาตรฐาน	330	120	37.5	120	300	170	100

หมายเหตุ : มาตรฐานคุณภาพอากาศในบรรยากาศโดยทั่วไป ตามประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 21 (พ.ศ. 2544) ฉบับที่ 24 (พ.ศ. 2547) ฉบับที่ 28 (พ.ศ. 2550) ฉบับที่ 33 (พ.ศ. 2552), ราชกิจจานุเบกษา เล่ม 139 ตอนที่ 163 (พ.ศ. 2565)



สถานีเทศบาลตำบลนครทราย



MONTHLY REPORT AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

Month : August

MONITORING STATION : Donsai Sub-district

YEAR : 2023

Date	SO ₂ (ppb)		NO ₂ (ppb)		O ₃ (ppb)	O ₃ (%)
	24-Hr. Avg.	1-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Aug 23	2	1 - 3	3	1 - 5	4 - 23	N/A
2 Aug 23	2	2 - 3	3	1 - 5	4 - 15	N/A
3 Aug 23	2	2 - 4	6	1 - 12	4 - 17	N/A
4 Aug 23	2	2 - 3	4	1 - 7	4 - 16	N/A
5 Aug 23	0	0 - 2	3	1 - 6	4 - 17	N/A
6 Aug 23	2	1 - 2	3	1 - 6	4 - 13	N/A
7 Aug 23	1	1 - 2	3	2 - 6	4 - 12	N/A
8 Aug 23	1	0 - 2	4	1 - 8	4 - 15	N/A
9 Aug 23	2	2 - 3	4	1 - 7	4 - 17	N/A
10 Aug 23	2	2 - 3	3	1 - 5	4 - 25	N/A
11 Aug 23	2	1 - 2	2	1 - 7	4 - 19	N/A
12 Aug 23	3	2 - 3	3	1 - 10	4 - 17	N/A
13 Aug 23	2	2 - 3	3	1 - 7	4 - 20	N/A
14 Aug 23	1	1 - 2	2	1 - 7	4 - 14	N/A
15 Aug 23	3	2 - 3	4	1 - 7	4 - 16	N/A
16 Aug 23	1	1 - 2	3	1 - 7	4 - 25	N/A
17 Aug 23	2	1 - 3	5	2 - 8	4 - 17	N/A
18 Aug 23	1	0 - 1	3	2 - 7	5 - 17	N/A
19 Aug 23	2	1 - 3	4	1 - 8	5 - 18	N/A
20 Aug 23	3	3 - 4	2	1 - 9	4 - 20	N/A
21 Aug 23	1	0 - 3	3	1 - 10	4 - 30	N/A
22 Aug 23	1	0 - 2	3	0 - 6	4 - 26	N/A
23 Aug 23	2	1 - 3	3	1 - 9	4 - 23	N/A
24 Aug 23	2	2 - 3	3	1 - 5	4 - 16	N/A
25 Aug 23	2	2 - 3	3	1 - 7	4 - 17	N/A
26 Aug 23	1	0 - 2	4	1 - 8	4 - 19	N/A
27 Aug 23	1	1 - 2	3	1 - 10	4 - 15	N/A
28 Aug 23	3	1 - 3	3	1 - 5	4 - 18	N/A
29 Aug 23	2	1 - 2	2	0 - 4	5 - 24	N/A
30 Aug 23	2	1 - 2	4	1 - 8	4 - 19	N/A
31 Aug 23	2	1 - 3	4	1 - 10	5 - 21	N/A
Range	0 - 3	0 - 4	2 - 6	0 - 12	4 - 30	-
Number of times (exceeded standard)	0	0	0	0	0	-
Total Day	31	31	31	31	31	-
Monitoring Hour	740	740	739	739	739	-
Ambient Air Quality Standard	120	300	-	170	100	-

Remark > 1) Standards = Ambient Air Quality Standards of the National Environment Board
 2) SO₂ = Sulfur Dioxide 5) N/A = Data not Available
 3) NO₂ = Nitrogen Dioxide 6) * = Exceeding air quality standard
 4) O₃ = Ozone 7) - = Not Measurement



MONTHLY REPORT AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

MONTH : August

MONITORING STATION : Donsai Sub-district

YEAR : 2023

Date	TSP (µg/m ³)		Concentration (24-Hr Avg)		PM-2.5 (µg/m ³)
	Micro balance	Hi volume	Micro balance	Hi volume	Micro balance
1 Aug 23	N/A		23		9
2 Aug 23	N/A		28		13
3 Aug 23	N/A		25		13
4 Aug 23	N/A		20		9
5 Aug 23	N/A		22		10
6 Aug 23	N/A		18		8
7 Aug 23	N/A	26	19	15	9
8 Aug 23	N/A		18		7
9 Aug 23	N/A		17		7
10 Aug 23	N/A		21		11
11 Aug 23	N/A		17		8
12 Aug 23	N/A		24		11
13 Aug 23	N/A	25	21	17	1
14 Aug 23	N/A		20		8
15 Aug 23	N/A		17		7
16 Aug 23	N/A		12		5
17 Aug 23	N/A		24		13
18 Aug 23	N/A		18		8
19 Aug 23	N/A	37	26	N/A	10
20 Aug 23	N/A		22		11
21 Aug 23	N/A		18		9
22 Aug 23	N/A		16		7
23 Aug 23	N/A		19		9
24 Aug 23	N/A		15		6
25 Aug 23	N/A	22	15	14	5
26 Aug 23	N/A		17		6
27 Aug 23	N/A		18		8
28 Aug 23	N/A		19		8
29 Aug 23	N/A		17		7
30 Aug 23	N/A		28		16
31 Aug 23	N/A	35	30	N/A	12
Range	-	22 - 37	12 - 30	14 - 17	1 - 16
Number of times (exceeded standard)	-	0	0	0	0
Total Day	-	5	31	3	31
Monitoring Hour	-	120	744	72	744
Ambient Air Quality Standard	-	330	120	120	37.5

Remark > 1) Standards = Ambient Air Quality Standards of the National Environment Board
 2) TSP = Total Suspended Particulate
 3) PM-10 = Particulate Matter less than 10 µm
 4) PM-2.5 = Particulate Matter with diameter of less than 2.5 micron



MONTHLY REPORT METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

Month : August

MONITORING STATION : Donsai Sub-district

YEAR : 2023

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Sum. (mm)
1 Aug 23	27.0	38.0	32.0	53	93	74	1,001	1,007	1,004	0.0
2 Aug 23	27.3	34.9	31.1	62	91	75	1,003	1,007	1,005	0.0
3 Aug 23	27.2	35.3	30.3	63	92	80	1,003	1,009	1,005	0.6
4 Aug 23	27.2	35.8	30.9	58	94	75	1,006	1,012	1,009	0.0
5 Aug 23	26.6	37.6	31.6	52	94	72	1,007	1,012	1,009	0.0
6 Aug 23	27.7	36.6	30.8	55	89	76	1,004	1,009	1,007	9.4
7 Aug 23	26.8	36.5	30.6	55	95	77	1,002	1,007	1,005	0.8
8 Aug 23	26.7	37.3	30.1	52	97	81	1,003	1,008	1,005	11.6
9 Aug 23	26.4	37.2	30.9	55	99	79	1,005	1,011	1,008	8.2
10 Aug 23	26.6	38.1	31.2	52	95	77	1,004	1,010	1,007	2.2
11 Aug 23	27.4	38.4	31.4	50	95	76	1,001	1,008	1,005	4.6
12 Aug 23	25.6	37.1	29.7	54	99	84	1,001	1,007	1,004	20.8
13 Aug 23	26.2	37.9	30.5	53	100	83	1,001	1,007	1,004	2.0
14 Aug 23	26.3	38.3	29.9	51	99	85	1,000	1,007	1,004	12.4
15 Aug 23	25.8	37.2	29.4	56	99	85	1,002	1,008	1,005	3.0
16 Aug 23	25.7	35.1	29.9	60	99	78	1,003	1,009	1,006	5.2
17 Aug 23	25.9	38.2	30.4	47	95	75	1,003	1,009	1,006	4.0
18 Aug 23	26.0	39.5	31.9	44	91	69	1,000	1,008	1,005	0.0
19 Aug 23	26.9	39.7	32.8	44	89	66	1,000	1,006	1,004	0.0
20 Aug 23	25.5	39.7	30.5	47	100	79	1,000	1,005	1,003	3.2
21 Aug 23	24.8	38.1	29.1	58	100	90	1,001	1,007	1,004	8.8
22 Aug 23	26.2	35.8	29.7	62	100	87	1,002	1,008	1,005	14.4
23 Aug 23	25.9	36.1	29.1	60	100	87	1,002	1,008	1,005	0.0
24 Aug 23	25.9	35.2	29.3	62	98	86	1,002	1,009	1,005	0.0
25 Aug 23	26.3	38.3	29.5	52	100	85	1,003	1,008	1,006	9.0
26 Aug 23	26.1	35.2	29.8	60	100	82	1,003	1,009	1,006	3.8
27 Aug 23	25.8	37.4	30.9	53	97	74	1,001	1,009	1,005	0.8
28 Aug 23	27.2	38.1	32.0	52	91	70	1,000	1,006	1,003	0.0
29 Aug 23	26.6	36.7	30.2	58	92	81	1,000	1,005	1,002	5.2
30 Aug 23	26.7	35.5	30.6	61	97	81	1,000	1,006	1,003	0.2
31 Aug 23	26.5	38.9	30.3	49	100	81	1,000	1,007	1,004	12.6
Total	24.8	39.7	30.5	44	100	79	1,000	1,012	1,005	142.8
Day	31			31			31			31
Hours	744			744			734			739

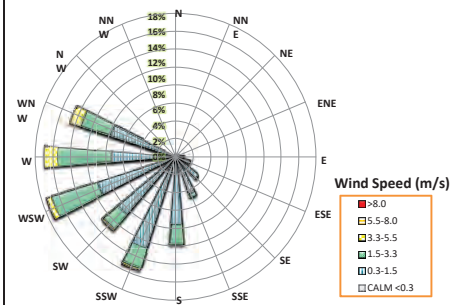
Remarks > P = Power Fail, F = Equipment Fail, N/A = Data not Available



บริษัท ราชบุรีเพาวเวอร์ จำกัด
Ratchaburi Power Co.,Ltd.

Date/Month/Year : 1-31/August/2023

STATION : Donsai Sub-district



Wind Speed (m/s)					
Wind Sector	0.3-1.5	1.5-3.3	3.3-5.5	5.5-8.0	>8.0
N	0.00%	0.00%	0.00%	0.00%	0.00%
NNE	0.00%	0.00%	0.00%	0.00%	0.00%
NE	0.13%	0.00%	0.00%	0.00%	0.13%
ENE	0.27%	0.00%	0.00%	0.00%	0.27%
E	0.81%	0.13%	0.00%	0.00%	0.94%
ESE	1.75%	0.13%	0.00%	0.00%	1.88%
SE	3.63%	0.13%	0.00%	0.00%	3.76%
SSE	4.97%	0.54%	0.00%	0.00%	5.51%
S	8.60%	2.55%	0.13%	0.00%	11.29%
SSW	12.23%	2.69%	0.27%	0.13%	15.32%
SW	9.68%	2.42%	0.27%	0.00%	12.37%
WSW	10.46%	6.18%	0.67%	0.00%	17.34%
W	8.20%	6.99%	1.61%	0.00%	16.80%
WNW	8.74%	4.03%	1.48%	0.00%	14.25%
NW	0.13%	0.00%	0.00%	0.00%	0.13%
NNW	0.00%	0.00%	0.00%	0.00%	0.00%
	69.62%	25.81%	4.44%	0.13%	100.00%

No. of Monitored Hours	744	Hours	No. of Calm	0	Hours
No. of Monitored Days	31	Days	Calm (%)	0.00%	
Missing Data	0	Hours	Average Wind Speed	1.13	m/s
No. of Valid Data	744	Hours	Maximum Wind Speed	6.20	m/s
Wind Rose by - Air Quality and Noise Section - 2020/05			Prevailing Wind Direction	WSW	

Equipment Status of Donsai Sub-district Monitoring Station "August 2023"						
No.	Site	Analyzer	Brand	Model	S/N	Status
5	อุปกรณ์	SO ₂	Ecotech	EC9850B	05-1274	Normal
		O ₃	Ecotech	EC9810B	06-0001	Normal
		NO ₂	Thermo	420Q	-	Normal
		DUST (PM - 10/2.5)	Thermo	1405DF	-	Normal
		DUST (TSP)	Thermo	1400ab	14048259730601	Fail
		O ₂	Biken koki	OK-600	-	Fail
		Hivolume air sampler(PM-10)	Ecotech	HV53000	05-1104	Normal
		Hivolume air sampler(TSP)	Ecotech	HV53000	05-1103	Normal
		WIND SPEED	Met One	010C	E7612	Normal
		WIND DIRECTION	Met One	020C	F1128	Normal
		AT/RH	Met One	0830-1-35	F1320	Normal
		BAROMETRIC PRESSURE	Met One	080D	F1231	Normal
		Rain gauge	Met One	-	-	Normal
		Multi Translator	Met One	2220	F1284	Normal
		Data Logger	ADVANTECH	IPC-510	-	Normal
		Multi Gas Calibration	SABO	4010	10260306	Normal
		Zero Air Generator	SABO	1001	03061476B	Normal
		Modem	Tornado	FMV56-0E	4088712	Normal
		Air Condition 1	Daikin	AP180V2S	E003687	Normal
		Air Condition 2	Daikin	AP180V2S	E002831	Normal

สถานีบ้านดอนมดตะนอย
(สถานที่ตรวจวัด : วัดนักบุญอันโตนิโอ)

ภาคผนวก



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด
Ratchaburi Electricity Generating Co.,Ltd.

MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.

MONTH : August

MONITORING STATION : Ban Don Mod Tanoi

YEAR : 2023

Date	Concentration					
	TSP (µg/m ³)	PM-10 (µg/m ³)	SO ₂ (ppb)		NO _x (ppb)	O ₃ (ppb)
	24-Hr. Avg.	24-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Aug 23	39	26	2	2	1 - 7	0 - 35
2 Aug 23	40	31	2	2	1 - 8	3 - 29
3 Aug 23	30	24	2	2	0 - 10	3 - 29
4 Aug 23	29	20	2	2	0 - 6	3 - 27
5 Aug 23	29	19	2	2	1 - 7	2 - 35
6 Aug 23	27	16	2	2	1 - 5	3 - 26
7 Aug 23	27	16	2	2	0 - 7	3 - 25
8 Aug 23	30	19	2	2	1 - 9	3 - 30
9 Aug 23	26	16	2	2	1 - 6	2 - 26
10 Aug 23	26	16	2	2 - 3	1 - 6	2 - 45
11 Aug 23	22	12	2	2	1 - 6	5 - 34
12 Aug 23	N/A	22	2	2	1 - 5	4 - 30
13 Aug 23	N/A	19	2	2	2 - 7	3 - 38
14 Aug 23	N/A	15	2	2	1 - 7	3 - 27
15 Aug 23	N/A	2	2	2	1 - 8	3 - 31
16 Aug 23	N/A	12	2	2	0 - 6	3 - 36
17 Aug 23	26	16	2	2	1 - 7	3 - 41
18 Aug 23	24	15	2	2	1 - 6	7 - 27
19 Aug 23	34	26	2	2	0 - 4	8 - 27
20 Aug 23	26	17	2	2	0 - 7	5 - 29
21 Aug 23	27	14	2	2	1 - 8	3 - 42
22 Aug 23	25	10	2	2	1 - 7	2 - 50
23 Aug 23	23	13	2	2	1 - 7	1 - 39
24 Aug 23	22	10	2	2	1 - 6	3 - 38
25 Aug 23	24	12	2	2	1 - 6	2 - 34
26 Aug 23	22	12	2	2	1 - 5	2 - 29
27 Aug 23	26	12	2	2	0 - 5	3 - 31
28 Aug 23	24	14	2	2	1 - 4	4 - 35
29 Aug 23	22	14	2	2	1 - 9	4 - 35
30 Aug 23	27	15	2	2	1 - 7	3 - 43
31 Aug 23	32	26	2	2	1 - 5	7 - 41
Range	22 - 40	2 - 31	2	2 - 3	0 - 10	0 - 50
Number of times exceeded standard	0	0	0	0	0	0
Total 1 day	26	31	31	31	31	31
Monitoring Hour	622	727	711	711	711	711
Ambient Air Quality Standard	330	120	120	300	170	100

Remark :-
1) Standards = Ambient Air Quality Standards of the National Environment Board
2) TSP = Total Suspended Particulate
3) PM-10 = Particulate Matter less than 10 µm
4) SO₂ = Sulfur Dioxide
5) NO_x = Nitrogen Dioxide
6) N/A = Data not Available
7) * = Exceeding air quality standard
8) - = Not Measurement



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด
Ratchaburi Electricity Generating Co.,Ltd.

MONTHLY REPORT

METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.

Month : August

MONITORING STATION : Ban Don Mod Tanoi

YEAR : 2023

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Aug 23	26.1	35.4	30.1	50	99	80	1,005	1,009	1,007	0.0
2 Aug 23	26.2	33.2	29.0	60	99	90	1,006	1,009	1,008	0.2
3 Aug 23	26.8	32.8	28.7	60	99	88	1,006	1,011	1,008	0.0
4 Aug 23	26.0	33.8	29.4	50	99	76	1,009	1,013	1,010	0.0
5 Aug 23	25.4	35.2	29.9	46	99	73	1,009	1,012	1,011	0.6
6 Aug 23	26.1	34.6	29.8	48	99	74	1,007	1,010	1,009	0.0
7 Aug 23	26.4	33.6	29.5	51	99	76	1,006	1,009	1,008	0.0
8 Aug 23	25.2	35.8	28.9	45	99	84	1,007	1,010	1,008	1.4
9 Aug 23	25.2	35.5	29.6	45	99	79	1,008	1,011	1,010	0.4
10 Aug 23	25.5	35.7	29.3	46	99	84	1,007	1,011	1,010	10.4
11 Aug 23	26.0	36.6	29.5	45	99	81	1,005	1,010	1,008	2.4
12 Aug 23	25.2	35.4	28.4	46	99	88	1,005	1,009	1,008	6.2
13 Aug 23	24.9	36.4	29.1	45	99	84	1,005	1,009	1,007	0.0
14 Aug 23	25.6	36.0	28.7	44	99	86	1,005	1,009	1,007	13.6
15 Aug 23	24.8	34.5	27.5	50	99	90	1,006	1,009	1,008	0.6
16 Aug 23	24.3	32.8	28.4	55	99	79	1,006	1,010	1,008	0.2
17 Aug 23	24.8	35.3	28.4	42	99	82	1,006	1,010	1,009	0.2
18 Aug 23	24.6	37.1	30.0	37	99	72	1,004	1,010	1,008	0.6
19 Aug 23	26.0	37.7	31.0	35	99	69	1,003	1,009	1,007	0.0
20 Aug 23	25.1	36.9	29.0	40	99	77	1,004	1,008	1,006	1.6
21 Aug 23	25.3	35.9	28.2	51	99	89	1,005	1,010	1,007	2.8
22 Aug 23	25.1	34.6	29.0	55	99	85	1,005	1,010	1,008	4.4
23 Aug 23	25.2	34.0	28.2	55	99	88	1,005	1,010	1,008	1.0
24 Aug 23	25.1	34.0	27.9	54	99	88	1,006	1,010	1,008	0.4
25 Aug 23	24.6	36.5	27.7	45	99	88	1,006	1,011	1,009	1.0
26 Aug 23	24.4	33.3	28.6	55	99	79	1,006	1,010	1,009	0.0
27 Aug 23	25.0	35.9	29.8	44	99	73	1,004	1,010	1,008	2.2
28 Aug 23	26.1	35.1	30.2	46	99	71	1,004	1,008	1,006	7.6
29 Aug 23	25.3	34.3	29.0	50	99	82	1,003	1,007	1,006	0.0
30 Aug 23	25.9	33.3	29.3	56	99	83	1,005	1,009	1,007	0.0
31 Aug 23	24.8	36.6	29.0	43	99	83	1,004	1,009	1,007	16.4
Total	24.3	37.7	29.1	35	99	81	1,003	1,013	1,008	74.2
Day	31			31			31			31
Hours	744			744			744			744

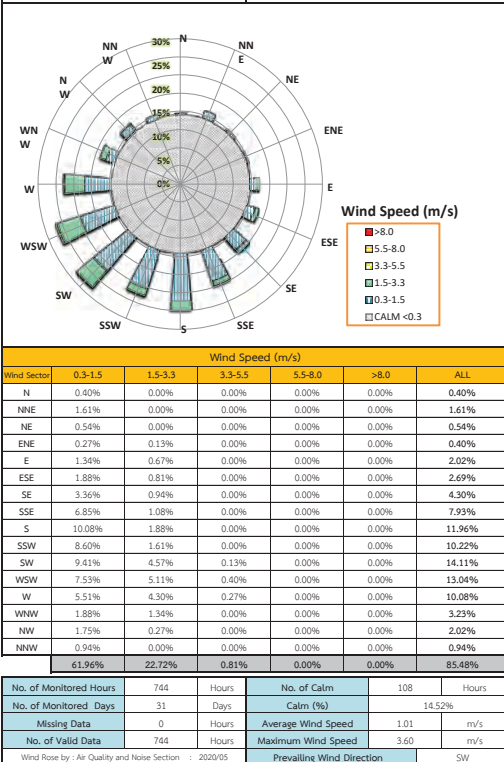
Remarks :- P = Power Fail, F = Equipment Fail, N/A = Data not Available



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด
Ratchaburi Electricity Generating Co.,Ltd.

Date/Month/Year : 1-31/August/2023

STATION : Ban Don Mod Tanoi



Equipment Status of Ban Don Mod Tanoi Monitoring Station "August 2023"

No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No.	Description
1	บ้านดอนมดแดง	SO ₂	Thermo Scientific	43-82SCA	1162850018	Normal	20511144	
	(วัดดิน)	NO _x	Thermo Scientific	42-82HSDCA	1162850016	Normal	20511146	
		O ₃	Thermo Scientific	49-82NCA	1162850020	Normal	20511148	
		DUST (TSP)	Thermo Scientific	5014/5036	CM16461002	Normal	20511172	Flow Alarm Low จำนวน 1 ครั้ง วันที่ 12 - 16 Aug 2023
		DUST (PM - 10)	Thermo Scientific	5014/5036	CM16471015	Normal	20511170	
		ZERO AIR	Thermo Scientific	1160-BH2N	1162850022	Normal	20511174	
		CALIBRATOR	Thermo Scientific	146-BH8FCA	1162850024	Normal	20511176	
		DATA LOGGER	ADVANTECH	IPC-50	NMA1478934	Normal	60110253.1.3.4	
		Switch Hub 16 port	TP-LINK	TL-SF1016	12886700507	Normal	-	
		UPS	Power Mate	TR-3000	13KE00080	Normal	-	
		Display LCD 20"	hp	P201	6CM3151950	Normal	60110253.2	
		Keyboard	Logitech	K220	13145C109F28	Normal	-	
		Mouse	Logitech	M150	-	Normal	-	
		Standard Gas	Arges	-	LL111365	Normal	-	
		WIND SPEED	JASTEM	DNA-827	-	Normal	-	
		WIND DIRECTION	JASTEM	DNA-875	CH 1506300	Normal	-	
		AIR TEMPERATURE	JASTEM	DNA-875	CH 1506300	Normal	-	
		RELATIVE HUMIDITY	JASTEM	DQA-208	R804016	Normal	-	
		BAROMETRIC PRESSURE	JASTEM	DQA-208	R804016	Normal	-	
		RAIN GAUGE	JASTEM	DQA-030	-	Normal	-	

สถานีบ้านบางกะโด
(สถานที่ตรวจวัด : วัดบางกะโด)



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด
Ratchaburi Electricity Generating Co.,Ltd.

MONTHLY REPORT

AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.

MONTH : August

MONITORING STATION : Wat Bang Gado

YEAR : 2023

Date	Concentration				
	TSP (µg/m ³)	PM ₁₀ (µg/m ³)	SO ₂ (ppb)	NO ₂ (ppb)	O ₃ (ppb)
	24 Hr. Avg.	24 Hr. Avg.	24 Hr. Avg.	1 Hr. Avg.	1 Hr. Avg.
1 Aug 23	46	32	1	1 - 2	1 - 8
2 Aug 23	52	34	1	1 - 2	2 - 8
3 Aug 23	44	26	1	1 - 2	2 - 12
4 Aug 23	42	25	2	1 - 2	1 - 8
5 Aug 23	43	24	1	1 - 2	1 - 7
6 Aug 23	39	23	1	1 - 2	1 - 9
7 Aug 23	40	20	1	1 - 2	1 - 7
8 Aug 23	41	19	1	1 - 2	1 - 9
9 Aug 23	42	23	1	1 - 2	1 - 9
10 Aug 23	40	26	2	1 - 2	1 - 6
11 Aug 23	34	20	1	1 - 2	1 - 8
12 Aug 23	49	32	1	1 - 2	1 - 8
13 Aug 23	42	27	1	1 - 2	1 - 8
14 Aug 23	41	23	1	1 - 2	1 - 8
15 Aug 23	41	22	1	1 - 2	1 - 9
16 Aug 23	35	20	1	1 - 2	2 - 7
17 Aug 23	42	23	2	1 - 2	1 - 10
18 Aug 23	36	19	2	1 - 2	1 - 7
19 Aug 23	48	31	2	1 - 2	0 - 5
20 Aug 23	41	23	2	1 - 2	0 - 9
21 Aug 23	37	21	1	1 - 2	1 - 12
22 Aug 23	35	18	1	1 - 2	1 - 9
23 Aug 23	38	16	1	1 - 2	1 - 7
24 Aug 23	40	20	1	1 - 2	1 - 7
25 Aug 23	38	18	1	1 - 2	1 - 7
26 Aug 23	38	20	1	1	1 - 9
27 Aug 23	36	22	2	1 - 3	0 - 9
28 Aug 23	37	23	1	1 - 2	0 - 6
29 Aug 23	38	20	1	1 - 2	0 - 6
30 Aug 23	37	18	1	1 - 2	0 - 6
31 Aug 23	52	34	1	1 - 2	0 - 7
Range	34 - 52	16 - 34	1 - 2	1 - 3	0 - 12
Number of times exceeded standard	0	0	0	0	0
Total Day	31	31	31	31	31
Monitoring Hour	744	744	714	714	714
Ambient Air Quality Standard	330	120	120	300	170

Remark > 1) Standards - Ambient Air Quality Standards of the National Environment Board
2) TSP - Total Suspended Particulate
3) PM₁₀ - Particulate Matter less than 10 µm
4) SO₂ - Sulfur Dioxide
5) NO₂ - Nitrogen Dioxide
6) N/A - Data not Available
7) * - Exceeding air quality standard
8) - - Not Measurement



MONTHLY REPORT
METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.

Month : August

MONITORING STATION : Wat Bang Gado

YEAR : 2023

Date	Temperature (° C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Aug 23	26.6	35.4	30.2	46	85	70	1.005	1.009	1.007	0.4
2 Aug 23	26.9	32.6	29.7	58	85	69	1.006	1.009	1.008	0.0
3 Aug 23	26.4	32.6	28.9	59	87	76	1.006	1.010	1.008	0.6
4 Aug 23	26.7	33.7	29.5	52	87	69	1.009	1.013	1.010	0.0
5 Aug 23	26.1	34.7	30.0	48	86	66	1.009	1.012	1.011	0.0
6 Aug 23	26.7	33.9	29.3	50	84	72	1.007	1.010	1.009	9.4
7 Aug 23	26.4	33.6	29.4	52	89	71	1.006	1.009	1.008	0.6
8 Aug 23	26.4	34.6	28.9	48	92	76	1.007	1.010	1.008	8.8
9 Aug 23	25.8	34.1	29.5	51	93	73	1.008	1.011	1.010	3.4
10 Aug 23	25.6	34.8	29.5	50	90	73	1.007	1.011	1.009	1.6
11 Aug 23	26.5	35.1	29.8	48	88	72	1.005	1.010	1.008	1.0
12 Aug 23	25.4	34.1	28.5	52	92	78	1.005	1.009	1.007	12.2
13 Aug 23	25.7	34.8	29.1	51	94	77	1.004	1.009	1.007	1.0
14 Aug 23	25.7	35.4	28.7	48	94	79	1.005	1.009	1.007	13.6
15 Aug 23	25.5	34.0	28.3	52	92	78	1.006	1.010	1.008	0.6
16 Aug 23	25.4	32.5	28.8	55	94	72	1.006	1.010	1.008	0.0
17 Aug 23	25.4	35.0	28.9	43	89	70	1.006	1.010	1.008	0.2
18 Aug 23	25.3	36.3	30.1	39	85	64	1.004	1.010	1.007	0.0
19 Aug 23	26.4	36.6	31.1	39	80	60	1.002	1.009	1.007	0.0
20 Aug 23	25.9	36.4	29.2	44	96	73	1.003	1.008	1.006	11.8
21 Aug 23	24.5	34.8	28.1	54	97	84	1.005	1.010	1.007	6.4
22 Aug 23	25.8	33.7	28.6	57	96	81	1.005	1.010	1.008	14.2
23 Aug 23	25.7	33.7	28.0	55	97	81	1.006	1.010	1.008	12.8
24 Aug 23	25.5	32.7	27.9	57	94	82	1.006	1.010	1.008	5.2
25 Aug 23	25.6	35.6	28.2	47	95	81	1.006	1.011	1.008	6.0
26 Aug 23	25.3	32.7	28.6	54	97	77	1.006	1.010	1.009	1.4
27 Aug 23	25.5	35.0	29.7	49	91	68	1.004	1.010	1.007	0.0
28 Aug 23	26.4	35.0	30.3	48	87	65	1.003	1.008	1.006	0.0
29 Aug 23	26.2	33.6	28.9	53	86	74	1.002	1.013	1.008	118.6
30 Aug 23	26.1	32.6	29.3	57	90	75	1.004	1.009	1.007	0.0
31 Aug 23	26.4	36.0	29.2	43	95	75	1.003	1.009	1.007	4.2
Total	24.5	36.6	29.2	39	97	74	1.002	1.013	1.008	118.6
Day	31			31			31			31
Hours	744						744			744

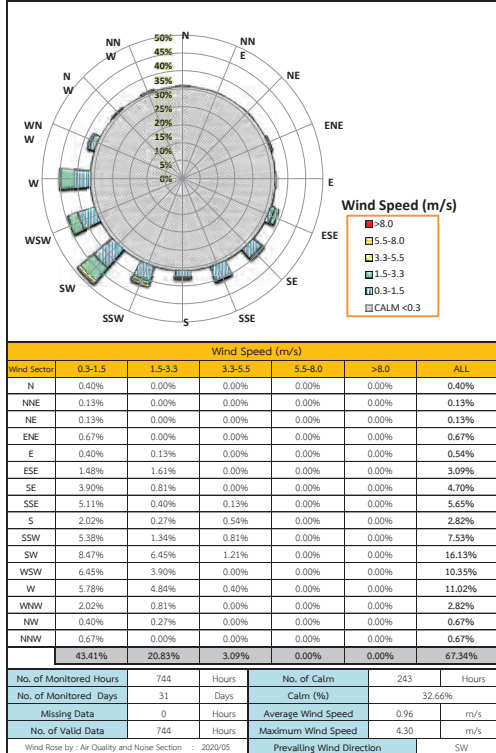
Remarks > P = Power Fail, F = Equipment Fail, N/A = Data not Available



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด
Ratchaburi Electricity Generating Co.,Ltd.

Date/Month/Year : 1-31/August/2023

STATION : Wat Bang Gado

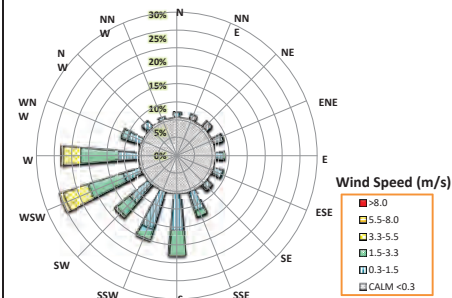




บริษัท ผลิตไฟฟ้าราชบุรี จำกัด
Ratchaburi Electricity Generating Co., Ltd.

Date/Month/Year : 1-31/August/2023

STATION : Ban Klong Klao



Wind Speed (m/s)						
Wind Sector	0.3-1.5	1.5-3.3	3.3-5.5	5.5-8.0	>8.0	ALL
N	1.08%	0.00%	0.00%	0.00%	0.13%	1.21%
NNE	1.08%	0.13%	0.00%	0.00%	0.00%	1.21%
NE	1.48%	0.00%	0.00%	0.00%	0.00%	1.48%
ENE	1.89%	0.13%	0.13%	0.00%	0.00%	2.16%
E	1.62%	0.40%	0.00%	0.00%	0.00%	2.02%
ESE	2.02%	0.00%	0.00%	0.00%	0.00%	2.02%
SE	1.48%	0.13%	0.00%	0.00%	0.00%	1.62%
SSE	4.05%	1.48%	0.00%	0.00%	0.00%	5.53%
S	7.83%	5.26%	0.13%	0.00%	0.00%	13.23%
SSW	8.23%	2.43%	0.13%	0.00%	0.00%	10.80%
SW	4.99%	3.64%	0.54%	0.00%	0.00%	9.18%
WSW	3.78%	7.96%	5.53%	0.94%	0.00%	18.22%
W	4.32%	8.10%	3.64%	0.54%	0.00%	16.60%
WNW	2.97%	1.35%	0.00%	0.00%	0.00%	4.32%
NW	1.62%	0.00%	0.00%	0.00%	0.00%	1.62%
NNW	0.67%	0.00%	0.00%	0.00%	0.00%	0.67%
	49.12%	31.04%	10.12%	1.48%	0.13%	91.90%

No. of Monitored Hours	744	Hours	No. of Calm	60	Hours
No. of Monitored Days	31	Days	Calm (%)	8.10%	
Missing Data	3	Hours	Average Wind Speed	1.67	m/s
No. of Valid Data	741	Hours	Maximum Wind Speed	6.60	m/s
Wind Rose by : Air Quality and Noise Section : 2020/05			Prevailing Wind Direction : WSW		

Equipment Status of Ban Klong Klao Monitoring Station "August 2023"							
No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No
3	บ้านคลองคล้า	SO ₂	Thermo Scientific	43i-B2SCA	1162850017	Normal	20511163
		NO _x	Thermo Scientific	42i-B2MCA	1162850015	Normal	20511165
		O ₃	Thermo Scientific	49-B2MCA	1162850019	Normal	20511167
		DUST (TSP)	Thermo Scientific	5014i/S030	CM16461001	Normal	20511171
		DUST (PM - 10)	Thermo Scientific	5014i/S030	CM16471014	Normal	20511169
		ZERO AIR	Thermo Scientific	1160-BIP20	1162850021	Normal	20511173
		CALIBRATOR	Thermo Scientific	3460-BB6FCA	1162850023	Normal	20511175
		DATA LOGGER	ADVANTECH	IPC-60	KMA147893A	Normal	60110255.0.1.3.4
		DATA LOGGER	HP	Compag	550206QW2	Normal	9900095.1
		Switch Hub 16 port	D-LINK	DS-101160	F3069CA002170	Normal	-
		UPS	Power Mate	TR-3000	13 KD 00087	Normal	-
		CPU	hp	6530 SFF	65400300WY	Normal	-
		Display LCD 20"	HP	P201	6C3A151954	Normal	60110255.2
		Keyboard Wireless	Logitech	K220	13145C105F18	Normal	-
		Mouse Wireless	Logitech	M330	-	Normal	-
		Standard Gas	Algar	-	LL136448	Normal	-
		WIND SPEED	LASTEM	-	20030210	Normal	-
		WIND DIRECTION	LASTEM	DNA-B21	-	Normal	-
		AIR TEMPERATURE	LASTEM	DNA-B75	Ch 1506488	Normal	-
		RELATIVE HUMIDITY	LASTEM	DNA-B75	Ch 1506488	Normal	-
		BAROMETRIC PRESSURE	LASTEM	DOA-208	R404017	Normal	-
		RAIN GAUGE	LASTEM	DOA-030	-	Normal	-

สถานีบ้านขาวเหนือ
(สถานที่ตรวจวัด : บ้านขาวเหนือ)



MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co., Ltd.

MONTH : August

MONITORING STATION : Ban Chao Nua

YEAR : 2023

Date	Concentration						
	TSP (µg/m ³)	PM-10 (µg/m ³)	SO ₂ (ppb)		NO ₂ (ppb)	O ₃ (ppb)	
	24-Hr. Avg.	24-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	
1 Aug 23	28	27	1	1	1 - 4	3 - 30	
2 Aug 23	33	32	1	1	2 - 5	3 - 31	
3 Aug 23	27	25	1	1	2 - 6	3 - 26	
4 Aug 23	23	22	1	1	1 - 5	3 - 24	
5 Aug 23	27	24	1	1	1 - 5	3 - 29	
6 Aug 23	25	24	1	1	1 - 4	4 - 21	
7 Aug 23	22	21	1	1	1 - 4	3 - 21	
8 Aug 23	25	22	1	1	1 - 4	3 - 24	
9 Aug 23	24	20	1	1	2 - 6	3 - 24	
10 Aug 23	22	20	1	1	2 - 5	3 - 33	
11 Aug 23	18	16	1	1	2 - 5	6 - 31	
12 Aug 23	31	28	1	1	1 - 5	4 - 24	
13 Aug 23	28	27	1	1	2 - 7	3 - 30	
14 Aug 23	28	24	1	1	2 - 6	3 - 22	
15 Aug 23	23	20	1	1	2 - 9	3 - 24	
16 Aug 23	16	12	1	1	2 - 5	4 - 31	
17 Aug 23	19	18	1	1	0 - 6	3 - 26	
18 Aug 23	20	17	1	1	0 - 6	9 - 24	
19 Aug 23	32	28	1	1	0 - 4	8 - 24	
20 Aug 23	25	21	1	1	0 - 6	6 - 25	
21 Aug 23	23	19	1	1	1 - 9	3 - 41	
22 Aug 23	20	17	1	1	1 - 4	3 - 42	
23 Aug 23	20	17	1	1	0 - 7	4 - 35	
24 Aug 23	26	14	1	1	1 - 5	3 - 36	
25 Aug 23	19	15	1	1	1 - 5	3 - 31	
26 Aug 23	20	15	1	1	1 - 4	3 - 25	
27 Aug 23	22	18	1	1	0 - 5	4 - 26	
28 Aug 23	23	18	1	1 - 2	0 - 5	5 - 34	
29 Aug 23	22	19	1	1	1 - 8	4 - 34	
30 Aug 23	23	18	1	1	0 - 8	4 - 33	
31 Aug 23	34	29	1	1	0 - 5	7 - 36	
Range	16 - 34	12 - 32	1	1 - 2	0 - 9	3 - 42	
Number of times (exceeded standard)	0	0	0	0	0	0	
Total	Day	31	31	31	31	31	
Monitoring	Hour	734	736	712	712	712	
Ambient Air Quality Standard		330	120	120	300	170	100

Remark > 1) Standards = Ambient Air Quality Standards of the National Environment Board
2) TSP = Total Suspended Particulate
3) PM-10 = Particulate Matter less than 10 µm
4) SO₂ = Sulfur Dioxide
5) NO₂ = Nitrogen Dioxide
6) N/A = Data not Available
7) * = Exceeding air quality standard
8) - = Not Measurement



MONTHLY REPORT
METEOROLOGY MONITORING RESULT

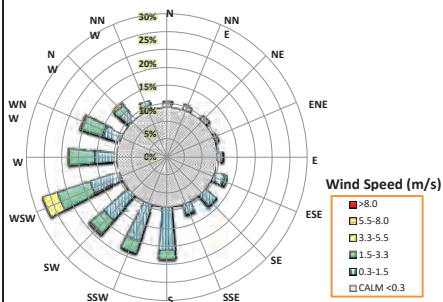
PROJECT : Ratchaburi Electricity Generating Co.,Ltd. Month : August
MONITORING STATION : Ban Chao Nua YEAR : 2023

Date	Temperature (° C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Aug 23	26.0	36.2	30.4	47	99	77	1,002	1,006	1,004	0.0
2 Aug 23	26.6	33.5	29.4	59	99	82	1,003	1,006	1,005	3.0
3 Aug 23	26.9	33.4	29.1	58	99	85	1,003	1,008	1,005	0.0
4 Aug 23	26.2	34.5	29.8	50	99	74	1,006	1,010	1,007	0.0
5 Aug 23	25.8	35.6	30.4	45	99	70	1,006	1,009	1,008	0.0
6 Aug 23	26.5	34.9	30.1	47	99	73	1,004	1,008	1,006	0.0
7 Aug 23	26.5	34.3	30.0	49	99	73	1,003	1,006	1,005	0.0
8 Aug 23	25.9	35.6	29.7	44	99	78	1,004	1,007	1,005	0.4
9 Aug 23	25.7	35.2	30.0	48	99	77	1,006	1,009	1,007	2.8
10 Aug 23	25.9	35.7	29.8	49	99	78	1,004	1,008	1,007	0.0
11 Aug 23	26.8	36.2	30.2	45	99	76	1,003	1,007	1,005	8.2
12 Aug 23	25.6	36.3	28.9	45	99	87	1,002	1,006	1,005	3.4
13 Aug 23	25.5	35.2	29.3	49	99	84	1,002	1,006	1,005	0.2
14 Aug 23	25.8	36.0	29.1	46	99	84	1,002	1,006	1,005	22.6
15 Aug 23	25.1	34.7	28.0	50	99	87	1,003	1,007	1,005	7.0
16 Aug 23	24.7	33.2	28.8	54	99	76	1,003	1,007	1,006	0.0
17 Aug 23	25.1	35.5	29.0	43	99	78	1,004	1,007	1,006	0.0
18 Aug 23	25.4	36.9	30.2	39	99	69	1,002	1,007	1,005	0.0
19 Aug 23	26.4	37.2	31.3	38	93	66	1,000	1,006	1,004	0.0
20 Aug 23	25.4	36.4	29.3	43	99	76	1,001	1,005	1,003	18.6
21 Aug 23	24.6	34.6	28.1	57	100	90	1,002	1,007	1,004	15.8
22 Aug 23	25.6	33.5	28.7	59	100	88	1,003	1,007	1,005	6.0
23 Aug 23	25.8	34.1	28.5	55	99	87	1,003	1,007	1,005	2.6
24 Aug 23	25.4	34.2	28.1	55	99	89	1,003	1,007	1,005	0.8
25 Aug 23	25.1	35.4	27.9	48	100	88	1,003	1,008	1,006	17.8
26 Aug 23	24.9	33.5	28.8	56	100	80	1,003	1,008	1,006	0.2
27 Aug 23	25.3	34.6	29.8	50	99	73	1,002	1,007	1,005	0.0
28 Aug 23	26.6	35.6	30.8	46	99	67	1,001	1,005	1,003	0.0
29 Aug 23	25.7	34.3	29.2	51	99	82	1,001	1,004	1,003	0.0
30 Aug 23	26.0	33.7	29.6	54	99	82	1,002	1,006	1,004	0.0
31 Aug 23	25.5	36.2	29.1	45	100	83	1,001	1,006	1,004	11.8
Total	24.6	37.2	29.4	38	100	79	1,000	1,010	1,005	121.2
Day	31			31						31
Hours	744			744			744			744

Remarks :- P = Power Fail , F = Equipment Fail , N/A = Data not Available



Date/Month/Year : 1-31/August/2023 STATION : Ban Chao Nua



Wind Speed (m/s)					
Wind Sector	0.3-1.5	1.5-3.3	3.3-5.5	5.5-8.0	ALL
N	0.94%	0.40%	0.00%	0.00%	0.00%
NNE	1.08%	0.00%	0.00%	0.00%	0.00%
NE	1.08%	0.00%	0.00%	0.00%	0.00%
ENE	0.67%	0.00%	0.00%	0.00%	0.00%
E	1.08%	0.13%	0.00%	0.00%	0.00%
ESE	2.28%	0.54%	0.00%	0.00%	0.00%
SE	2.96%	0.13%	0.00%	0.00%	0.00%
SSE	2.15%	0.13%	0.00%	0.00%	0.00%
S	9.27%	1.75%	0.00%	0.00%	0.00%
SSW	8.20%	2.55%	0.13%	0.00%	0.00%
SW	6.85%	3.76%	0.40%	0.00%	0.00%
WSW	6.45%	7.39%	3.36%	0.00%	0.00%
W	4.70%	5.51%	0.13%	0.00%	0.00%
WNW	3.76%	4.70%	0.40%	0.00%	0.00%
NW	2.42%	1.48%	0.54%	0.00%	0.00%
NNW	1.08%	0.94%	0.00%	0.00%	0.00%
	54.97%	29.44%	4.97%	0.00%	89.38%

No. of Monitored Hours	744	Hours	No. of Calm	79	Hours
No. of Monitored Days	31	Days	Calm (%)	10.62%	
Missing Data	0	Hours	Average Wind Speed	1.32	m/s
No. of Valid Data	744	Hours	Maximum Wind Speed	5.00	m/s
Wind Rose by Air Quality and Noise Section : 2020/05			Prevailing Wind Direction		

Preventive maintenance schedule,

Plan and actual

Equipment Status of Ban Chao Nua Monitoring Station "August 2023"							
No.	Site	Analyzer	Brand	Model	S/N	Status	Description
1	ก๊าซพิษ	SC ₂	Thermo Scientific	43i-8254B	1315757997	Normal	2023096
2		NO ₂	Thermo Scientific	43i-8254B	1315757996	Normal	2023096
3		SO ₂	Thermo Scientific	43i-8254B	1315757999	Normal	2023096
4		DUST (TSP)	Thermo Scientific	9054 (in3c-004-4)	CM13211006	Normal	2023094
5		DUST (PM - 10)	Thermo Scientific	9054 (in3c-004-3)	CM13211005	Normal	2023094
6		ZERO AB	Thermo Scientific	1160 BH92C	1315788010	Normal	20230102.1
7		CALIBRATOR	Thermo Scientific	946-8038A8	1315788001	Normal	20230102.3
8		DATA LOGGER/Enviro	ADVANTECH	IPC 510	YMA1478933	Normal	60110252.0000.1.1.4
9		Data LOGGER License	Envirotech	Envirotech Ultimate	281230	Normal	-
10		Switch Hub 16 port	TP-LINK	TL-SG1016	0286101120	Normal	-
11		UPS	Power-Matic	19i3000	13 X0 00002	Normal	-
12		Display LCD 20"	HP	P201	6C431519B	Normal	60110252.2
13		Keyboard Wireless	Logitech	K220	13145C109A68	Normal	-
14		Mouse Wireless	Logitech	M150	13135CM00408	Normal	-
15		Standard Gas	Aligas	LL121560		Normal	
16		WIND SPEED	LASTEM	DMA 827	82 1306562	Normal	20230013.0013
17		WIND DIRECTION	LASTEM	DMA 827	82 1306562	Normal	20230013.0014
18		AIR TEMPERATURE	LASTEM	DMA 875	CH 1306501	Normal	
19		RELATIVE HUMIDITY	LASTEM	DMA 875	CH 1306501	Normal	20230013.0015
20		BAROMETRIC PRESSURE	LASTEM	DQA 208	-	Normal	20230013.0016
21		RAIN GAUGE	LASTEM	DQA 030	-	Normal	20230013.0018

Corrective maintenance work list

[illegible]

[illegible][illegible][illegible]

Calibration Sheet

Project : Ratchaburi Power Plant

Page 01

Site No. : 5 Station : Donsai Date : 9 Aug 23

Start Time : 10.00

Analyzer	SO ₂	NO _x	O ₃	Standard Gas	SO ₂	NO _x	Remark
Manufacture	ECOTECH	Thermo	ECOTECH	Cylinder No.	D 636099		
Model	EC 9850B	42IQ-BBANN	EC 9810 B	Concentration	50.10	51.90	
Serial No.	05-1274	1181510016	06-0001	Multi Gas Calibrator			
Range	0 - 500 ppb	0 - 500 ppb	0 - 500 ppb	Model : Sabco(4010)	Serial No. : -		

Phase	Set Point	Desire Value			Monitor Value			Drift			% Drift			Factor
SO ₂ Before Calibrate	Zero	0.0			2.0			-2.0			-0.4			Gain : 21.18
	Span(Lo.)	80.0			-			-			-			
	Span(Mid.)	150.0			-			-			-			
	Span(Hi.)	450.0			449.0			1.0			0.2			
SO ₂ After Calibrate	Zero	0.0			-			-			-			Gain : -
	Span(Lo.)	80.0			-			-			-			
	Span(Mid.)	150.0			-			-			-			
	Span(Hi.)	450.0			-			-			-			
NO _x Before Calibrate	Zero	NO	NO ₂	NO _x	NO	NO ₂	NO _x	NO	NO ₂	NO _x	NO	NO ₂	NO _x	NO COEF : 1.027 NO ₂ COEF : 1.000 NO _x COEF : 1.000
	Span(Lo.)	80.0	0.0	80.0	-	-	-	-	-	-	-	-	-	
	Span(Mid.)	150.0	0.0	150.0	-	-	-	-	-	-	-	-	-	
	Span(Hi.)	450.0	0.0	450.0	451.0	2.0	453.0	-1.0	-2.0	-3.0	-0.2	-0.4	-0.7	
NO _x After Calibrate	Zero	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	NO COEF : - NO ₂ COEF : - NO _x COEF : -
	Span(Lo.)	80.0	0.0	80.0	-	-	-	-	-	-	-	-	-	
	Span(Mid.)	150.0	0.0	150.0	-	-	-	-	-	-	-	-	-	
	Span(Hi.)	450.0	0.0	450.0	-	-	-	-	-	-	-	-	-	
O ₃ Before Calibrate	Zero	0.0			6.0			-6.0			-1.2			Gain : 1.104
	Span(Lo.)	80.0			-			-			-			
	Span(Mid.)	150.0			-			-			-			
	Span(Hi.)	450.0			429.0			21.0			4.7			
O ₃ After Calibrate	Zero	0.0			1.0			-1.0			-0.2			Gain : 1.156
	Span(Lo.)	80.0			-			-			-			
	Span(Mid.)	150.0			-			-			-			
	Span(Hi.)	450.0			450.0			0.0			0.0			
Zero Drift = Desire Value - Monitor Valve % Zero Drift = (Zero Drift/Full Scale) * 100 % Zero Drift +/- 3% Accept Data								Span Drift = Desire Value - Monitor Value % Span Drift = (Span Drift/Desire Value) * 100 % Span Drift +/- 5% Accept Data						

Calibrate by : Pongviriya

Finish Time : 11.00

Air Quality & Noise Section, Environmental Quality Monitoring Department, Project Environment Division, EGAT

Comment : _____

Calibration Sheet

Project : Ratchaburi Power Plant

Page 02

Site No. : 5 Station : Donsai Date : 16 Aug 23

Start Time : 14.00

Analyzer	SO ₂	NO _x	O ₃	Standard Gas	SO ₂	NO _x	Remark
Manufacture	ECOTECH	Thermo	ECOTECH	Cylinder No.	D 636099		
Model	EC 9850B	42IQ-BBANN	EC 9810 B	Concentration	50.10	51.90	
Serial No.	05-1274	1181510016	06-0001	Multi Gas Calibrator			
Range	0 - 500 ppb	0 - 500 ppb	0 - 500 ppb	Model : Sabco(4010)	Serial No. : -		

Phase	Set Point	Desire Value			Monitor Value			Drift			% Drift			Factor
SO ₂ Before Calibrate	Zero	0.0			2.0			-2.0			-0.4			Gain : 21.18
	Span(Lo.)	80.0			-			-			-			
	Span(Mid.)	150.0			-			-			-			
	Span(Hi.)	450.0			449.0			1.0			0.2			
SO ₂ After Calibrate	Zero	0.0			-			-			-			Gain : -
	Span(Lo.)	80.0			-			-			-			
	Span(Mid.)	150.0			-			-			-			
	Span(Hi.)	450.0			-			-			-			
NO _x Before Calibrate	Zero	0.0	0.0	0.0	1.1	0.5	1.6	-1.1	-0.5	-1.6	-0.2	-0.1	-0.3	NO COEF : 1.027 NO ₂ COEF : 1.000 NO _x COEF : 1.000
	Span(Lo.)	80.0	0.0	80.0	-	-	-	-	-	-	-	-	-	
	Span(Mid.)	150.0	0.0	151.0	-	-	-	-	-	-	-	-	-	
	Span(Hi.)	450.0	0.0	450.0	454.0	-4.0	450.0	-4.0	4.0	0.0	-0.9	0.9	0.0	
NO _x After Calibrate	Zero	0.0	0.0	0.0	1.1	0.5	1.6	-1.1	-0.5	-1.6	-0.2	-0.1	-0.3	NO COEF : 1.018 NO ₂ COEF : 1.000 NO _x COEF : 1.011
	Span(Lo.)	80.0	1.0	81.0	-	-	-	-	-	-	-	-	-	
	Span(Mid.)	150.0	1.0	151.0	-	-	-	-	-	-	-	-	-	
	Span(Hi.)	450.0	0.0	450.0	450.0	1.0	451.0	0.0	-1.0	-1.0	0.0	-0.2	-0.2	
O ₃ Before Calibrate	Zero	0.0			2.0			-2.0			-0.4			Gain : 1.156
	Span(Lo.)	80.0			-			-			-			
	Span(Mid.)	150.0			-			-			-			
	Span(Hi.)	450.0			445.0			5.0			1.1			
O ₃ After Calibrate	Zero	0.0			2.0			-2.0			-0.4			Gain : 1.079
	Span(Lo.)	80.0			-			-			-			
	Span(Mid.)	150.0			-			-			-			
	Span(Hi.)	450.0			450.0			0.0			0.0			
Zero Drift = Desire Value - Monitor Valve % Zero Drift = (Zero Drift/Full Scale) * 100 % Zero Drift +/- 3% Accept Data								Span Drift = Desire Valve - Monitor Value % Span Drift = (Span Drift/Desire Value) * 100 % Span Drift +/- 5% Accept Data						

Calibrate by : Pongviriya

Finish Time : 15.00

Air Quality & Noise Section, Environmental Quality Monitoring Department, Project Environment Division, EGAT

Comment : _____

Calibration Sheet

Project : Ratchaburi Power Plant

Page 03

Site No. : 5 Station : Donsai Date : 24 Aug 23

Start Time : 10.00

Analyzer	SO ₂	NO _x	O ₃	Standard Gas	SO ₂	NO _x	Remark
Manufacture	ECOTECH	Thermo	ECOTECH	Cylinder No.	D 636099		
Model	EC 9850B	42IQ-BBANN	EC 9810 B	Concentration	50.10	51.90	
Serial No.	05-1274	1181510016	06-0001	Multi Gas Calibrator			
Range	0 - 500 ppb	0 - 500 ppb	0 - 500 ppb	Model : Sabco(4010)	Serial No. : 10260306		

Phase	Set Point	Desire Value		Monitor Value		Drift		% Drift				Factor		
SO ₂ Before Calibrate	Zero	0.0		3.0		-3.0		-0.6				Gain : 21.18		
	Span(Lo.)	80.0		81.0		-1.0		-1.3						
	Span(Mid.)	150.0		149.0		1.0		0.7						
	Span(Hi.)	450.0		450.0		0.0		0.0						
SO ₂ After Calibrate	Zero	0.0		-		-		-				Gain : -		
	Span(Lo.)	80.0		-		-		-						
	Span(Mid.)	150.0		-		-		-						
	Span(Hi.)	450.0		-		-		-						
NO _x Before Calibrate	Zero	NO	NO ₂	NO _x	NO	NO ₂	NO	NO ₂	NO _x	NO	NO ₂	NO _x	NO COEF : 1.018 NO ₂ COEF : 1.000 NO _x COEF : 1.011	
	Span(Lo.)	80.0	1.0	81.0	-	-	-	-	-	-	-	-		
	Span(Mid.)	150.0	1.0	151.0	-	-	-	-	-	-	-	-		
	Span(Hi.)	450.0	2.0	452.0	437.0	2.0	439.0	13.0	0.0	13.0	2.9	0.0		2.9
NO _x After Calibrate	Zero	0.0	0.0	0.0	2.0	1.0	3.0	-2.0	-1.0	-3.0	-0.4	-0.2	-0.6	NO COEF : 1.049 NO ₂ COEF : 1.000 NO _x COEF : 1.011
	Span(Lo.)	80.0	1.0	81.0	78.0	1.0	79.0	2.0	0.0	2.0	2.5	0.0	2.5	
	Span(Mid.)	150.0	1.0	151.0	146.0	1.0	147.0	4.0	0.0	4.0	2.7	0.0	2.6	
	Span(Hi.)	450.0	2.0	452.0	450.0	2.0	452.0	0.0	0.0	0.0	0.0	0.0	0.0	
O ₃ Before Calibrate	Zero	0.0		3.0		-3.0		-0.6				Gain : 1.079		
	Span(Lo.)	80.0		-		-		-						
	Span(Mid.)	150.0		-		-		-						
	Span(Hi.)	450.0		464.0		-14.0		-3.1						
O ₃ After Calibrate	Zero	0.0		3.0		-3.0		-0.6				Gain : 1.019		
	Span(Lo.)	80.0		78.0		2.0		2.5						
	Span(Mid.)	150.0		147.0		3.0		2.0						
	Span(Hi.)	450.0		450.0		0.0		0.0						
Zero Drift = Desire Value - Monitor Valve % Zero Drift = (Zero Drift/Full Scale) * 100 % Zero Drift +/- 3% Accept Data						Span Drift = Desire Value - Monitor Value % Span Drift = (Span Drift/Desire Value) * 100 % Span Drift +/- 5% Accept Data								

Calibrate by : Pongviriya

Finish Time : 12.00

Air Quality & Noise Section, Environmental Quality Monitoring Department, Project Environment Division, EGAT

Comment : _____



รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง
บริษัท ราชบุรีเพาเวอร์ จำกัด

ประจำเดือนกันยายน 2566

เสนอต่อ

บริษัท ราชบุรีเพาเวอร์ จำกัด

โดย

ฝ่ายสิ่งแวดล้อมโครงการ

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

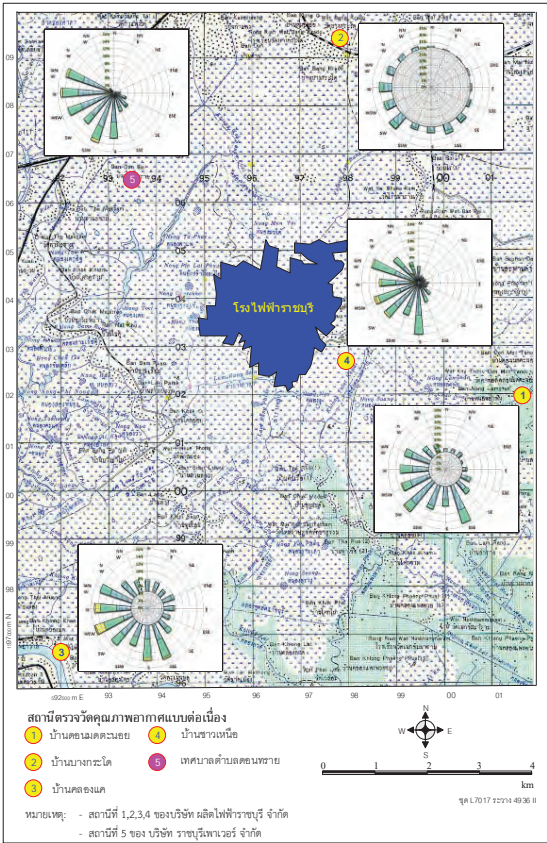
รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง
บริษัท ราชบุรีเพาวเวอร์ จำกัด
เดือนกันยายน 2566

ผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง บริษัท ราชบุรีเพาวเวอร์ จำกัด ประจำเดือนกันยายน 2566 จากสถานีตรวจวัดคุณภาพอากาศเทศบาลตำบลคอนทราย ผลการตรวจวัดดัชนีคุณภาพอากาศ พบว่า ผุ้่นละอองรวม ผุ้่นละอองขนาดไม่เกิน 10 ไมครอน ผุ้่นละอองขนาดไม่เกิน 2.5 ไมครอน ก๊าซซัลเฟอร์ไดออกไซด์ ก๊าซไนโตรเจนไดออกไซด์ และก๊าซโอโซน มีค่าอยู่ในเกณฑ์มาตรฐานคุณภาพอากาศในบรรยากาศโดยทั่วไปตามประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ โดยมีรายละเอียดดังนี้

สรุปผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง (กันยายน 2566)

สถานีตรวจวัด	ค่าเฉลี่ยในเวลา 24 ชั่วโมง ($\mu\text{g}/\text{m}^3$)			ค่าเฉลี่ยในเวลา 1 ชั่วโมง (ppb)		
	TSP	PM-10	PM-2.5	SO ₂	NO ₂	O ₃
เทศบาลตำบลคอนทราย	17 - 27	9 - 24	2 - 14	0 - 3	0 - 4	0 - 11
มาตรฐาน	330	120	37.5	120	300	170

หมายเหตุ : มาตรฐานคุณภาพอากาศในบรรยากาศโดยทั่วไป ตามประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 21 (พ.ศ. 2544) ฉบับที่ 24 (พ.ศ. 2547) ฉบับที่ 28 (พ.ศ. 2550) ฉบับที่ 33 (พ.ศ. 2552), ราชกิจจานุเบกษา เล่ม 139 ตอนที่ 163 (พ.ศ. 2565)



แผนที่แสดงตำแหน่งที่ตั้งสถานีตรวจวัดคุณภาพอากาศแบบต่อเนื่อง ของ บริษัท ผลิตไฟฟ้าราชบุรี จำกัด และ บริษัท ราชบุรีเพาวเวอร์ จำกัด

สถานีเทศบาลตำบลคอนทราย



MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd. Month : September
MONITORING STATION : Donsai Sub-district YEAR : 2023

Date	SO ₂ (ppb)		NO ₂ (ppb)		O ₃ (ppb)	O ₃ (%)
	24-Hr. Avg.	1-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Sep 23	1	1 - 2	3	1 - 5	4 - 20	N/A
2 Sep 23	1	1 - 2	3	2 - 7	5 - 18	N/A
3 Sep 23	3	1 - 4	2	1 - 6	5 - 29	N/A
4 Sep 23	2	1 - 3	3	1 - 8	5 - 26	N/A
5 Sep 23	3	1 - 3	2	0 - 4	5 - 16	N/A
6 Sep 23	2	1 - 2	4	1 - 8	5 - 16	N/A
7 Sep 23	2	1 - 3	4	1 - 9	4 - 14	N/A
8 Sep 23	2	2 - 3	4	2 - 6	5 - 16	N/A
9 Sep 23	2	2 - 3	3	1 - 8	5 - 17	N/A
10 Sep 23	1	1 - 2	2	0 - 6	4 - 16	N/A
11 Sep 23	1	1 - 2	2	0 - 5	4 - 17	N/A
12 Sep 23	3	1 - 3	3	1 - 6	4 - 17	N/A
13 Sep 23	2	2 - 3	3	1 - 5	4 - 18	N/A
14 Sep 23	2	2 - 3	2	0 - 5	4 - 15	N/A
15 Sep 23	2	1 - 3	2	0 - 7	4 - 18	N/A
16 Sep 23	3	2 - 3	1	0 - 4	4 - 25	N/A
17 Sep 23	3	2 - 4	1	0 - 4	4 - 21	N/A
18 Sep 23	2	1 - 3	1	0 - 3	4 - 24	N/A
19 Sep 23	2	1 - 2	2	0 - 5	3 - 27	N/A
20 Sep 23	2	2 - 3	1	0 - 4	4 - 27	N/A
21 Sep 23	2	1 - 2	2	0 - 6	5 - 28	N/A
22 Sep 23	2	2 - 3	3	0 - 11	5 - 28	N/A
23 Sep 23	0	0 - 3	2	0 - 7	6 - 43	N/A
24 Sep 23	1	0 - 2	2	0 - 5	5 - 31	N/A
25 Sep 23	2	2 - 3	3	1 - 7	4 - 32	N/A
26 Sep 23	1	1 - 3	2	0 - 8	5 - 21	N/A
27 Sep 23	3	1 - 4	1	0 - 3	4 - 16	N/A
28 Sep 23	1	1 - 3	0	0 - 1	6 - 23	N/A
29 Sep 23	2	1 - 2	1	0 - 4	5 - 17	N/A
30 Sep 23	1	1 - 2	1	0 - 4	4 - 17	N/A
Range	0 - 3	0 - 4	0 - 4	0 - 11	3 - 43	-
Number of times (exceeded standard)	0	0	0	0	0	-
Total Day	30	30	30	30	30	-
Monitoring Hour	718	718	717	717	718	-
Ambient Air Quality Standard	120	300	-	170	100	-

Remark > 1) Standards = Ambient Air Quality Standards of the National Environment Board
2) SO₂ = Sulfur Dioxide 5) N/A = Data not Available
3) NO₂ = Nitrogen Dioxide 6) * = Exceeding air quality standard
4) O₃ = Ozone 7) - = Not Measurement



MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

MONTH : September

MONITORING STATION : Donsai Sub-district

YEAR : 2023

Date	Concentration (24-Hr Avg)				
	TSP (µg/m ³)		PM-10 (µg/m ³)		PM-2.5 (µg/m ³)
	Micro balance	Hi volume	Micro balance	Hi volume	Micro balance
1 Sep 23	N/A		23		10
2 Sep 23	N/A		24		9
3 Sep 23	N/A		20		10
4 Sep 23	N/A		23		14
5 Sep 23	N/A		16		7
6 Sep 23	N/A	20	14	13	6
7 Sep 23	N/A		21		10
8 Sep 23	N/A		12		4
9 Sep 23	N/A		10		3
10 Sep 23	N/A		10		3
11 Sep 23	N/A		11		3
12 Sep 23	N/A	18	13	13	4
13 Sep 23	N/A		14		6
14 Sep 23	N/A		13		4
15 Sep 23	N/A		11		3
16 Sep 23	N/A		11		3
17 Sep 23	N/A		13		5
18 Sep 23	N/A	17	14	13	5
19 Sep 23	N/A		18		8
20 Sep 23	N/A		14		6
21 Sep 23	N/A		10		3
22 Sep 23	N/A		14		7
23 Sep 23	N/A		16		8
24 Sep 23	N/A	20	18	15	9
25 Sep 23	N/A		20		11
26 Sep 23	N/A		15		6
27 Sep 23	N/A		12		4
28 Sep 23	N/A		9		2
29 Sep 23	N/A		11		2
30 Sep 23	N/A	27	16	18	6
Range	-	17 - 27	9 - 24	13 - 18	2 - 14
Number of times exceeded standard	-	0	0	0	0
Total 1 Day	-	5	30	5	30
Monitoring Hour	-	120	720	120	720
Ambient Air Quality Standard	-	330	120	120	37.5

Remark > 1) Standards = Ambient Air Quality Standards of the National Environment Board
2) TSP = Total Suspended Particulate
3) PM-10 = Particulate Matter less than 10 µm
4) PM-2.5 = Particulate Matter with diameter of less than 2.5 micron



MONTHLY REPORT
METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

Month : September

MONITORING STATION : Donsai Sub-district

YEAR : 2023

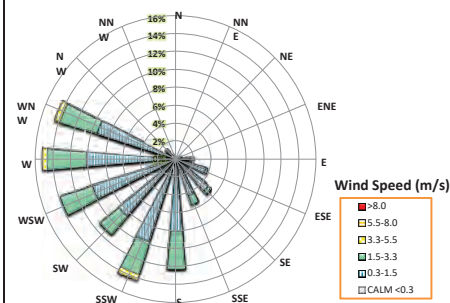
Date	Temperature (° C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Sep 23	26.5	35.8	29.6	62	100	87	1,000	1,007	1,004	12.6
2 Sep 23	27.2	36.6	30.8	57	92	78	1,000	1,004	1,002	14.2
3 Sep 23	26.0	39.6	30.7	52	96	80	1,000	1,002	1,001	7.2
4 Sep 23	27.6	37.9	31.7	52	94	74	1,000	1,002	1,001	0.0
5 Sep 23	26.2	35.9	30.4	55	98	78	1,000	1,006	1,003	1.6
6 Sep 23	26.9	35.2	30.5	60	94	77	1,004	1,010	1,007	0.0
7 Sep 23	27.0	34.9	30.8	61	94	77	1,004	1,010	1,007	1.6
8 Sep 23	27.3	37.1	30.9	54	90	75	1,002	1,010	1,006	0.0
9 Sep 23	26.9	37.4	30.2	53	94	78	1,001	1,006	1,004	16.8
10 Sep 23	25.6	34.0	29.6	67	97	82	1,000	1,007	1,003	4.8
11 Sep 23	25.4	33.8	28.6	66	100	86	1,003	1,007	1,005	2.4
12 Sep 23	26.1	33.4	28.7	70	99	86	1,004	1,010	1,007	2.4
13 Sep 23	26.4	35.1	29.9	60	96	79	1,004	1,010	1,007	0.0
14 Sep 23	26.5	36.5	29.2	56	99	84	1,002	1,009	1,007	13.0
15 Sep 23	25.7	35.7	28.8	60	99	87	1,001	1,007	1,004	9.0
16 Sep 23	25.7	35.2	28.8	62	100	87	1,001	1,007	1,004	0.0
17 Sep 23	25.2	35.3	28.5	62	100	89	1,001	1,007	1,004	55.8
18 Sep 23	26.2	34.1	28.4	68	100	92	1,002	1,011	1,006	3.8
19 Sep 23	26.2	36.6	29.8	58	100	83	1,007	1,012	1,010	0.0
20 Sep 23	26.7	38.1	30.9	51	93	78	1,004	1,012	1,009	0.6
21 Sep 23	23.2	37.6	29.1	56	100	83	1,004	1,011	1,008	38.0
22 Sep 23	23.6	36.9	29.4	53	100	83	1,002	1,011	1,006	2.4
23 Sep 23	25.4	35.8	29.5	63	100	87	1,003	1,010	1,006	2.0
24 Sep 23	26.5	35.1	30.1	63	98	84	1,001	1,008	1,005	0.6
25 Sep 23	26.9	37.6	30.8	57	95	80	1,001	1,006	1,003	0.2
26 Sep 23	25.8	35.8	30.1	62	100	82	1,000	1,005	1,003	7.4
27 Sep 23	26.1	34.0	28.6	69	100	92	1,000	1,004	1,003	13.4
28 Sep 23	26.6	33.9	29.1	69	97	86	1,001	1,008	1,004	1.2
29 Sep 23	25.6	35.7	28.8	63	100	87	1,006	1,013	1,009	12.2
30 Sep 23	26.1	35.8	29.5	59	100	85	1,007	1,013	1,010	1.2
Total	23.2	39.6	29.7	51	100	83	1,000	1,013	1,005	224.4
Day	30			30			30			30
Hours	720			720			665			715

Remarks > P = Power Fail, F = Equipment Fail, N/A = Data not Available



Date/Month/Year : 1-30/September/2023

STATION : Donsai Sub-district



Wind Speed (m/s)					
Wind Sector	0.3-1.5	1.5-3.3	3.3-5.5	5.5-8.0	>8.0
N	0.00%	0.00%	0.00%	0.00%	0.00%
NNE	0.00%	0.00%	0.00%	0.00%	0.00%
NE	0.00%	0.00%	0.00%	0.00%	0.00%
ENE	0.00%	0.56%	0.00%	0.00%	0.56%
E	1.53%	0.42%	0.00%	0.00%	1.94%
ESE	3.47%	0.28%	0.00%	0.00%	3.75%
SE	4.72%	0.42%	0.14%	0.00%	5.28%
SSE	4.31%	1.11%	0.00%	0.00%	5.42%
S	8.19%	4.31%	0.00%	0.00%	12.50%
SSW	9.86%	3.89%	0.69%	0.00%	14.44%
SW	8.47%	2.78%	0.00%	0.00%	11.25%
WSW	9.86%	3.89%	0.00%	0.00%	13.75%
W	10.14%	4.44%	0.56%	0.00%	15.14%
WNW	9.31%	4.44%	0.69%	0.00%	14.44%
NW	1.53%	0.00%	0.00%	0.00%	1.53%
NNW	0.00%	0.00%	0.00%	0.00%	0.00%
Total	71.39%	26.53%	2.08%	0.00%	100.00%

No. of Monitored Hours	720	Hours	No. of Calm	0	Hours
No. of Monitored Days	30	Days	Calm (%)	0.00%	
Missing Data	0	Hours	Average Wind Speed	1.11	m/s
No. of Valid Data	720	Hours	Maximum Wind Speed	5.30	m/s
Wind Rose by : Air Quality and Noise Section : 2020/05			Prevailing Wind Direction	W	

Equipment Status of Donsai Sub-district Monitoring Station "September 2023"

No.	Site	Analyzer	Brand	Model	S/N	Status	Description
5	อุปกรณ์	SO ₂	Ecotech	EC9850B	05-1274	Normal	
		O ₃	Ecotech	EC9810B	06-0001	Normal	
		NO ₂	Thermo	42Q	-	Normal	
		DUST (PM - 10/2.5)	Thermo	1405DF		Normal	
		DUST (TSP)	Thermo	1400ab	140AB259730601	Fail	Main Board Fail ไม่สามารถเชื่อมต่อสัญญาณได้ out of service
		O ₂	Riken keiki	OK-600		Fail	อุปกรณ์ชำรุดไม่สามารถใช้งานได้
		Hi-volume air sampler(PM-10)	Ecotech	HV53000	05-1104	Normal	
		Hi-volume air sampler(TSP)	Ecotech	HV53000	05-1103	Normal	
		WIND SPEED	Met One	010C	ET612	Normal	
		WIND DIRECTION	Met One	020C	F1128	Normal	
		ATRH	Met One	0830-1-35	F1320	Normal	
		BAROMETRIC PRESSURE	Met One	090D	F1231	Normal	
		Rain gauge	Met One	-	-	Normal	
		Multi Translator	Met One	2270	F1284	Normal	
		Data Logger	ADVANTECH	IPC-510		Normal	
		Multi Gas Calibration	SABO	4010	10260306	Normal	
		Zero Air Generator	SABO	1001	030614768	Normal	
		Modem	Tornado	FMV56-0E	4088712	Normal	
		Air Condition 1	Dakim	AP18DV25	E003687	Normal	
		Air Condition 2	Dakim	AP18DV25	E002851	Normal	

ภาคผนวก

สถานีบ้านดอนมดตะนอย
(สถานที่ตรวจวัด : วัดนักบุญอันโตนิโอ)



MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd. MONTH : September
MONITORING STATION : Ban Don Mod Tanol YEAR : 2023

Date	Concentration					
	TSP (µg/m ³)	PM-10 (µg/m ³)	SO ₂ (ppb)		NO ₂ (ppb)	O ₃ (ppb)
	24-Hr. Avg.	24-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Sep 23	28	20	2	2	1 - 7	3 - 35
2 Sep 23	28	23	2	2	1 - 5	6 - 32
3 Sep 23	20	16	2	2 - 3	1 - 5	5 - 47
4 Sep 23	19	8	2	2	1 - 7	10 - 45
5 Sep 23	14	3	2	2	0 - 4	6 - 34
6 Sep 23	14	7	2	2	0 - 8	4 - 29
7 Sep 23	24	12	2	2 - 3	1 - 7	2 - 29
8 Sep 23	15	6	2	2 - 3	1 - 6	5 - 31
9 Sep 23	17	6	2	2 - 3	1 - 7	4 - 29
10 Sep 23	15	4	2	2	1 - 5	3 - 39
11 Sep 23	15	5	2	2	1 - 6	4 - 33
12 Sep 23	16	8	2	2	1 - 7	5 - 27
13 Sep 23	23	10	2	2	1 - 9	4 - 40
14 Sep 23	17	9	2	2 - 3	1 - 6	3 - 30
15 Sep 23	18	7	2	2 - 3	1 - 6	4 - 35
16 Sep 23	16	7	2	2 - 3	1 - 5	4 - 44
17 Sep 23	18	7	2	2	1 - 4	3 - 33
18 Sep 23	19	12	2	2 - 3	1 - 10	2 - 36
19 Sep 23	26	14	2	2 - 3	1 - 15	2 - 49
20 Sep 23	21	12	2	2 - 3	1 - 7	3 - 51
21 Sep 23	16	6	2	2 - 3	1 - 4	9 - 53
22 Sep 23	18	9	2	2 - 3	1 - 24	3 - 51
23 Sep 23	24	12	2	2 - 3	1 - 10	10 - 55
24 Sep 23	23	15	2	2 - 3	1 - 5	8 - 48
25 Sep 23	24	13	2	2 - 3	1 - 8	3 - 53
26 Sep 23	20	11	2	2 - 3	1 - 7	8 - 38
27 Sep 23	21	7	2	2 - 2	1 - 6	1 - 26
28 Sep 23	16	6	2	2 - 3	1 - 6	10 - 29
29 Sep 23	16	8	2	2 - 3	1 - 5	6 - 30
30 Sep 23	23	14	2	2 - 3	1 - 6	2 - 40
Range	14 - 28	3 - 23	2	2 - 3	0 - 24	1 - 55
Number of times (exceeded standard)	0	0	0	0	0	0
Total / Day	30	30	30	30	30	30
Monitoring / Hour	720	720	690	690	690	690
Ambient Air Quality Standard	330	120	120	300	170	100

Remark > 1) Standards = Ambient Air Quality Standards of the National Environment Board
2) TSP = Total Suspended Particulate
3) PM-10 = Particulate Matter less than 10 µm
4) SO₂ = Sulfur Dioxide 7) * = Exceeding air quality standard
5) NO₂ = Nitrogen Dioxide 8) - = Not Measurement



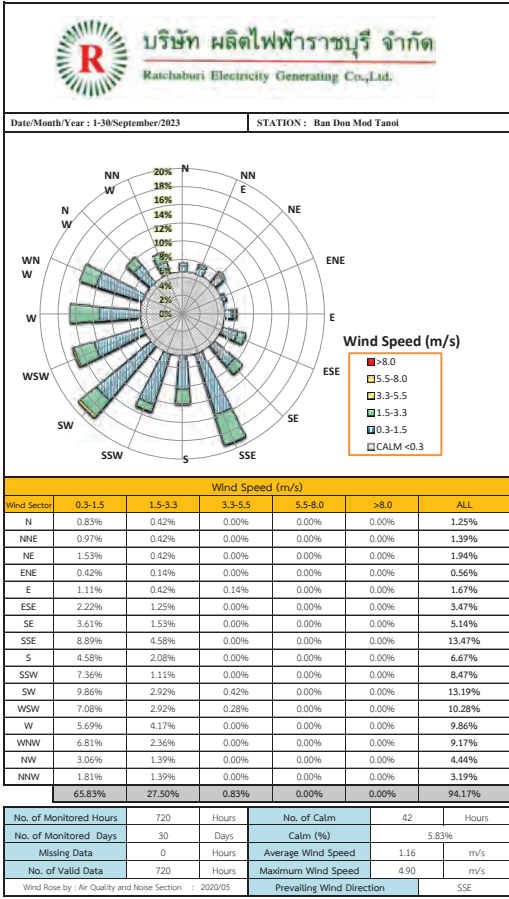
MONTHLY REPORT
METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd. Month : September

MONITORING STATION : Ban Don Mod Tanol YEAR : 2023

Date	Temperature (° C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Sep 23	25.3	34.9	28.2	53	99	91	1,004	1,009	1,007	0.2
2 Sep 23	26.3	34.8	29.3	52	99	82	1,003	1,007	1,005	3.2
3 Sep 23	25.1	37.8	29.6	44	99	83	1,001	1,006	1,004	0.0
4 Sep 23	27.0	35.1	29.7	54	99	85	1,001	1,006	1,004	8.2
5 Sep 23	25.1	33.7	29.0	48	99	77	1,004	1,009	1,006	0.2
6 Sep 23	25.8	32.6	29.1	55	99	80	1,007	1,011	1,009	0.2
7 Sep 23	26.0	32.9	29.2	57	99	83	1,007	1,011	1,009	0.2
8 Sep 23	25.7	35.1	29.2	47	99	80	1,006	1,011	1,009	0.2
9 Sep 23	25.6	35.6	28.7	45	99	86	1,003	1,009	1,007	3.0
10 Sep 23	24.8	32.5	28.4	62	99	84	1,005	1,010	1,007	4.4
11 Sep 23	24.0	32.1	27.6	61	99	87	1,006	1,009	1,008	0.8
12 Sep 23	25.5	31.7	27.6	65	99	91	1,007	1,011	1,009	1.2
13 Sep 23	25.3	33.6	28.8	52	99	83	1,007	1,011	1,009	0.0
14 Sep 23	25.2	33.6	27.8	53	99	87	1,007	1,010	1,009	8.4
15 Sep 23	24.7	33.2	27.3	54	99	90	1,005	1,009	1,008	6.8
16 Sep 23	24.7	33.3	27.8	53	99	86	1,005	1,009	1,007	1.4
17 Sep 23	24.6	34.8	28.0	52	99	85	1,005	1,010	1,008	14.6
18 Sep 23	24.1	33.3	26.7	61	99	92	1,008	1,012	1,010	34.2
19 Sep 23	24.6	34.6	28.6	50	100	81	1,008	1,013	1,011	0.2
20 Sep 23	25.0	36.2	29.4	47	99	80	1,006	1,012	1,010	4.6
21 Sep 23	22.5	35.7	28.3	48	99	80	1,006	1,013	1,010	33.2
22 Sep 23	22.6	35.0	28.3	44	99	83	1,006	1,012	1,009	2.2
23 Sep 23	24.5	33.9	28.3	60	99	87	1,006	1,011	1,009	7.8
24 Sep 23	25.3	33.2	28.8	59	99	88	1,005	1,010	1,008	0.0
25 Sep 23	25.4	35.6	29.4	49	99	82	1,003	1,009	1,006	0.0
26 Sep 23	24.3	33.8	28.6	56	99	85	1,003	1,008	1,006	10.4
27 Sep 23	24.5	32.1	27.3	65	99	94	1,003	1,008	1,006	2.0
28 Sep 23	25.5	32.3	28.1	65	99	92	1,006	1,010	1,008	0.4
29 Sep 23	24.6	33.7	28.1	56	99	87	1,009	1,014	1,011	1.4
30 Sep 23	24.9	33.7	27.9	55	99	87	1,009	1,013	1,011	0.4
Total	22.5	37.8	28.4	44	100	85	1,001	1,014	1,008	149.8
Day	30			30			30			30
Hours	720			720			720			720

Remarks > P = Power Fail, F = Equipment Fail, N/A = Data not Available



Equipment Status of Ban Don Mod Tanoi Monitoring Station "September 2023"								
No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No.	Description
1	บ้านดอนมดแดง	NO ₂	Thermo Scientific	43i-B2SCA	1162850018	Normal	20511164	
	(วัดวังยาง)	NO ₂	Thermo Scientific	42i-B2M5GCA	1162850016	Normal	20511166	
		O ₃	Thermo Scientific	49i-B2NCA	1162850020	Normal	20511168	
		DUST (TSP)	Thermo Scientific	5014/S030	CM16461002	Normal	20511172	
		DUST (PM - 10)	Thermo Scientific	5014/S030	CM16471015	Normal	20511170	
		ZERO AIR	Thermo Scientific	1160 B-P2N	1162850022	Normal	20511174	
		CALIBRATOR	Thermo Scientific	146i-B86FCA	1162850024	Normal	20511176	
		DATA LOGGER	ADVANTECH	IPC 50	KMA1478934	Normal	60110253.1,3,4	
		Switch Hub 16 port	TP-LINK	TL-SF1016	12086700507	Normal	-	
		UPS	Power Matic	TR-3000	13K000080	Normal	-	
		Display LCD 20"	hp	P201	6CM3151950	Normal	60110253.2	
		Keyboard	Logitech	K220	13145C105F28	Normal	-	
		Mouse	Logitech	M150	-	Normal	-	
		Standard Gas	Alphas	-	LL111365	Normal	-	
		WIND SPEED	LASTEM	DNK-827	-	Normal	-	
		WIND DIRECTION	LASTEM	-	-	Normal	-	
		AIR TEMPERATURE	LASTEM	DMA 875	CH 1506300	Normal	-	
		RELATIVE HUMIDITY	LASTEM	DMA 875	CH 1506300	Normal	-	
		BAROMETRIC PRESSURE	LASTEM	DQA 208	R604016	Normal	-	
		RAIN GAUGE	LASTEM	DQA 630	-	Normal	-	

สถานีบ้านบางกะโด
(สถานที่ตรวจวัด : วัดบางกะโด)

บริษัท ผลิตไฟฟ้าราชบุรี จำกัด
Ratchaburi Electricity Generating Co.,Ltd.

MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd. MONTH : September
MONITORING STATION : Wat Bang Gado YEAR : 2023

Date	Concentration					
	TSP (µg/m ³)	PM ₁₀ (µg/m ³)	SO ₂ (ppb)		NO ₂ (ppb)	O ₃ (ppb)
	24 Hr. Avg.	24 Hr. Avg.	24 Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Sep 23	44	22	1	1	0 - 5	0 - 23
2 Sep 23	48	32	1	1	0 - 6	0 - 25
3 Sep 23	36	19	1	1 - 2	0 - 4	3 - 42
4 Sep 23	30	13	1	1 - 2	1 - 4	0 - 40
5 Sep 23	28	11	1	1 - 2	0 - 4	6 - 28
6 Sep 23	31	16	1	1 - 2	0 - 9	2 - 23
7 Sep 23	38	19	1	1 - 2	0 - 6	2 - 22
8 Sep 23	28	14	1	1 - 2	0 - 4	4 - 21
9 Sep 23	27	9	1	1 - 2	0 - 4	6 - 22
10 Sep 23	28	11	1	1	0 - 4	0 - 22
11 Sep 23	31	10	1	1 - 2	0 - 6	3 - 19
12 Sep 23	31	16	1	1 - 2	0 - 3	2 - 25
13 Sep 23	35	18	1	1 - 2	0 - 6	1 - 27
14 Sep 23	30	14	1	1 - 2	0 - 5	1 - 25
15 Sep 23	34	14	1	1 - 2	1 - 5	7 - 26
16 Sep 23	29	11	1	1 - 2	1 - 7	7 - 37
17 Sep 23	32	11	1	1 - 2	1 - 4	10 - 32
18 Sep 23	35	20	1	1 - 2	1 - 6	8 - 73
19 Sep 23	37	20	2	1 - 2	1 - 12	12 - 53
20 Sep 23	33	17	2	1 - 2	1 - 4	19 - 66
21 Sep 23	32	11	2	2	1 - 3	21 - 47
22 Sep 23	28	13	2	2	1 - 16	17 - 55
23 Sep 23	34	17	2	2	2 - 10	13 - 73
24 Sep 23	37	17	2	2	1 - 6	18 - 76
25 Sep 23	37	17	2	2	1 - 6	14 - 55
26 Sep 23	33	16	2	2	1 - 4	9 - 42
27 Sep 23	31	16	2	2	1 - 5	10 - 26
28 Sep 23	26	6	2	2	1 - 4	15 - 38
29 Sep 23	31	12	2	2	1 - 7	11 - 32
30 Sep 23	37	21	2	2	2 - 7	7 - 34
Range	26 - 48	6 - 32	1 - 2	1 - 2	0 - 16	0 - 76
Number of times exceeded standard	0	0	0	0	0	0
Total Day	30	30	30	30	30	30
Monitoring Hour	720	720	690	690	690	690
Ambient Air Quality Standard	330	120	120	300	170	100

Remark > 1) Standards - Ambient Air Quality Standards of the National Environment Board
2) TSP - Total Suspended Particulate
3) PM₁₀ - Particulate Matter less than 10 µm
4) SO₂ - Sulfur Dioxide
5) NO₂ - Nitrogen Dioxide
6) N/A - Data not available
7) * - Exceeding air quality standard
8) - - Not Measurement

MONTHLY REPORT
METEOROLOGY MONITORING RESULT

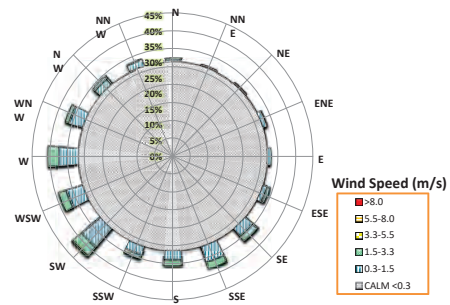
PROJECT : Ratchaburi Electricity Generating Co.,Ltd. Month : September

MONITORING STATION : Wat Bang Gado YEAR : 2023

Date	Temperature (° C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Sep 23	26.2	32.9	28.6	60	94	81	1,004	1,009	1,007	0.0
2 Sep 23	26.6	34.4	29.5	53	84	72	1,002	1,007	1,005	6.2
3 Sep 23	25.7	35.9	29.4	47	88	74	1,001	1,006	1,004	4.0
4 Sep 23	27.0	35.3	30.2	50	87	70	1,001	1,006	1,004	0.0
5 Sep 23	25.8	33.5	29.2	50	91	71	1,004	1,009	1,006	0.2
6 Sep 23	26.0	32.2	29.0	56	86	72	1,007	1,011	1,009	0.0
7 Sep 23	26.6	32.5	29.5	57	87	71	1,006	1,011	1,009	0.0
8 Sep 23	26.0	34.0	29.3	51	87	70	1,005	1,011	1,009	0.2
9 Sep 23	25.9	34.3	28.6	50	96	74	1,003	1,009	1,007	17.4
10 Sep 23	25.0	31.6	28.5	62	93	76	1,004	1,010	1,007	3.6
11 Sep 23	24.8	31.6	27.5	61	94	79	1,006	1,009	1,008	1.8
12 Sep 23	25.7	30.8	27.7	65	92	79	1,007	1,011	1,009	1.6
13 Sep 23	25.8	32.7	28.6	54	88	75	1,007	1,011	1,009	0.0
14 Sep 23	25.3	33.3	28.0	53	96	79	1,007	1,010	1,009	13.4
15 Sep 23	25.0	33.1	27.8	55	94	81	1,005	1,009	1,008	7.6
16 Sep 23	25.0	32.7	27.7	57	93	80	1,004	1,009	1,007	20.8
17 Sep 23	25.0	32.8	27.6	57	97	83	1,005	1,010	1,008	23.8
18 Sep 23	25.6	32.6	27.4	59	98	88	1,008	1,012	1,010	2.8
19 Sep 23	25.8	34.4	28.9	54	97	78	1,008	1,013	1,011	0.2
20 Sep 23	25.7	35.7	29.3	51	89	74	1,006	1,012	1,010	4.4
21 Sep 23	23.0	35.0	27.9	54	99	79	1,006	1,013	1,010	74.8
22 Sep 23	23.4	34.6	28.5	47	97	76	1,006	1,012	1,009	1.4
23 Sep 23	25.0	33.3	28.3	60	96	83	1,006	1,011	1,009	9.8
24 Sep 23	25.9	33.3	29.0	59	93	79	1,005	1,010	1,008	0.2
25 Sep 23	25.8	34.8	29.5	52	93	75	1,003	1,009	1,006	0.0
26 Sep 23	25.4	34.2	28.8	56	95	78	1,003	1,009	1,006	5.4
27 Sep 23	25.3	31.8	27.6	64	96	86	1,003	1,008	1,006	1.8
28 Sep 23	26.1	32.1	28.3	62	89	78	1,005	1,010	1,008	0.6
29 Sep 23	25.1	32.5	27.7	57	96	81	1,009	1,014	1,011	14.6
30 Sep 23	25.6	33.6	28.4	55	97	80	1,009	1,013	1,011	0.4
Total	23.0	35.9	28.5	47	99	77	1,001	1,014	1,008	217.0
Day	30			30			30			30
Hours	720			720			720			720

Remarks :- P = Power Fail, F = Equipment Fail, N/A = Data not Available

Date/Month/Year : 1-30/September/2023 STATION : Wat Bang Gado



Wind Speed (m/s)						
Wind Sector	0.3-1.5	1.5-3.3	3.3-5.5	5.5-8.0	>8.0	ALL
N	0.69%	0.56%	0.00%	0.00%	0.00%	1.25%
NNE	0.56%	0.00%	0.00%	0.00%	0.00%	0.56%
NE	0.42%	0.14%	0.00%	0.00%	0.00%	0.56%
ENE	1.25%	0.14%	0.00%	0.00%	0.00%	1.39%
E	1.11%	0.14%	0.00%	0.00%	0.00%	1.25%
ESE	1.39%	0.97%	0.00%	0.00%	0.00%	2.36%
SE	3.19%	2.08%	0.14%	0.00%	0.00%	5.42%
SSE	5.14%	2.22%	0.00%	0.00%	0.00%	7.36%
S	2.78%	1.81%	0.00%	0.00%	0.00%	4.58%
SSW	2.92%	1.11%	0.14%	0.00%	0.00%	4.17%
SW	7.92%	3.47%	0.42%	0.00%	0.00%	11.81%
WSW	5.42%	2.50%	0.00%	0.00%	0.00%	7.92%
W	6.25%	3.33%	0.14%	0.00%	0.00%	9.72%
WNW	4.58%	1.11%	0.00%	0.00%	0.00%	5.69%
NW	2.50%	0.83%	0.00%	0.00%	0.00%	3.33%
NNW	2.22%	0.28%	0.00%	0.00%	0.00%	2.50%
	48.33%	20.69%	0.83%	0.00%	0.00%	69.86%
No. of Monitored Hours	720	Hours	No. of Calm		217	Hours
No. of Monitored Days	30	Days	Calm (%)		30.14%	
Missing Data	0	Hours	Average Wind Speed		0.91	m/s
No. of Valid Data	720	Hours	Maximum Wind Speed		5.40	m/s
Wind Rose by - Air Quality and Noise Section - 2020/05					Prevailing Wind Direction	
					SW	

Equipment Status of Wat Bang Gado Monitoring Station "September 2023"							
No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No
1	Site 1	SO ₂	Thermo Scientific	43-B25AB	131575798	Normal	20210097
2	Site 1	NO ₂	Thermo Scientific	42-B245AB	131575795	Normal	20210099
3	Site 1	O ₃	Thermo Scientific	49-B24AB	131578000	Normal	20210101
4	Site 1	DUST (TSP)	Thermo Scientific	5014 (n26-004-2)	CM13211004	Normal	20210095
5	Site 1	DUST (PM - 10)	Thermo Scientific	5014 (n26-004-1)	CM13211003	Normal	20210093
6	Site 1	ZERO AIR	Thermo Scientific	1160 B-RQC	131578003	Normal	20210102.2
7	Site 1	CALIBRATOR	Thermo Scientific	1461-8838EAB	131578002	Normal	20210102.4
8	Site 1	DATA LOGGER(Enviro)	ADVANTECH	IPC-510	KMA1478929	Normal	40110254.0.1.3.4
9	Site 1	Ethernet Switch	TP-LINK	TL-SF1016	1288670508	Normal	-
10	Site 1	UPS	Power Matic	TR-3000	13 KLI 00077	Normal	-
11	Site 1	Display LCD 20"	HP	P201	6CM3020G2	Normal	60110254.2
12	Site 1	Keyboard Wireless	Logitech	K290	13145C105MA8	Normal	-
13	Site 1	Mouse Wireless	Logitech	M150	13135CM0XGWB	Normal	-
14	Site 1	Standard Gas	Algas	-	L1156456	Normal	-
15	Site 1	WIND SPEED	LASTEM	DNA 827	82-150563	Normal	-
16	Site 1	WIND DIRECTION	LASTEM	DNA 827	82-150563	Normal	-
17	Site 1	AIR TEMPERATURE	LASTEM	DNA 875	CH-1506498	Normal	-
18	Site 1	RELATIVE HUMIDITY	LASTEM	Sensor: DNA672.1	Sensor: 18080122	Normal	-
19	Site 1	BAROMETRIC PRESSURE	LASTEM	DQA 208	R408015	Normal	-
20	Site 1	RAIN GAUGE	LASTEM	DQA 230.1	21120166	Normal	-

สถานีสานคลองแค
(สถานที่ตรวจวัด : วัดโพธิ์ราษฎร์บูรณะ)

MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd. MONTH : September
MONITORING STATION : Ban Klong Klao YEAR : 2023

Date	Concentration					
	TSP (µg/m ³)	PM-10 (µg/m ³)	SO ₂ (ppb)	NO ₂ (ppb)	O ₃ (ppb)	
	24-Hr. Avg.	24-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Sep 23	28	27	2	1 - 2	2 - 12	2 - 36
2 Sep 23	33	26	2	2 - 3	2 - 8	3 - 24
3 Sep 23	26	22	2	2 - 3	1 - 9	2 - 43
4 Sep 23	15	13	3	2 - 4	1 - 8	8 - 43
5 Sep 23	N/A	6	3	2 - 3	1 - 4	7 - 27
6 Sep 23	16	14	3	2 - 4	2 - 8	4 - 27
7 Sep 23	21	15	3	2 - 3	2 - 8	2 - 23
8 Sep 23	16	10	3	3	1 - 9	4 - 25
9 Sep 23	16	15	3	3 - 5	1 - 8	5 - 23
10 Sep 23	13	12	3	2 - 3	2 - 7	3 - 29
11 Sep 23	13	11	3	3	2 - 7	6 - 27
12 Sep 23	11	8	3	3	1 - 6	4 - 26
13 Sep 23	17	16	3	2 - 3	2 - 9	4 - 36
14 Sep 23	13	13	2	2 - 3	1 - 6	3 - 23
15 Sep 23	18	13	3	2 - 3	2 - 8	2 - 26
16 Sep 23	12	9	3	2 - 3	1 - 5	3 - 32
17 Sep 23	14	10	3	2 - 3	1 - 6	2 - 29
18 Sep 23	14	13	3	2 - 3	2 - 7	2 - 28
19 Sep 23	22	17	3	3 - 4	2 - 7	1 - 40
20 Sep 23	16	15	3	3 - 4	2 - 9	3 - 39
21 Sep 23	13	10	3	2 - 3	1 - 6	7 - 37
22 Sep 23	13	10	3	2 - 3	2 - 13	8 - 41
23 Sep 23	19	16	3	2 - 3	1 - 9	11 - 42
24 Sep 23	21	18	3	3	2 - 10	7 - 37
25 Sep 23	27	21	3	2 - 3	2 - 8	2 - 45
26 Sep 23	16	13	3	3	2 - 6	5 - 27
27 Sep 23	13	11	3	3	1 - 6	4 - 21
28 Sep 23	11	8	3	3	1 - 4	10 - 22
29 Sep 23	12	10	3	2 - 3	1 - 9	3 - 23
30 Sep 23	23	18	3	3	2 - 6	2 - 32
Range	11 - 33	6 - 27	2 - 3	1 - 5	1 - 13	1 - 45
Number of times exceeded standard	0	0	0	0	0	0
Total Day	29	30	30	30	30	30
Monitoring Hour	674	703	686	686	685	686
Ambient Air Quality Standard	330	120	120	300	170	100

Remark > 1) Standards = Ambient Air Quality Standards of the National Environment Board
2) TSP = Total Suspended Particulate
3) PM-10 = Particulate Matter less than 10 µm
4) SO₂ = Sulfur Dioxide
5) NO₂ = Nitrogen Dioxide
6) N/A = Data not Available
7) * = Exceeding air quality standard
8) - = Not Measurement

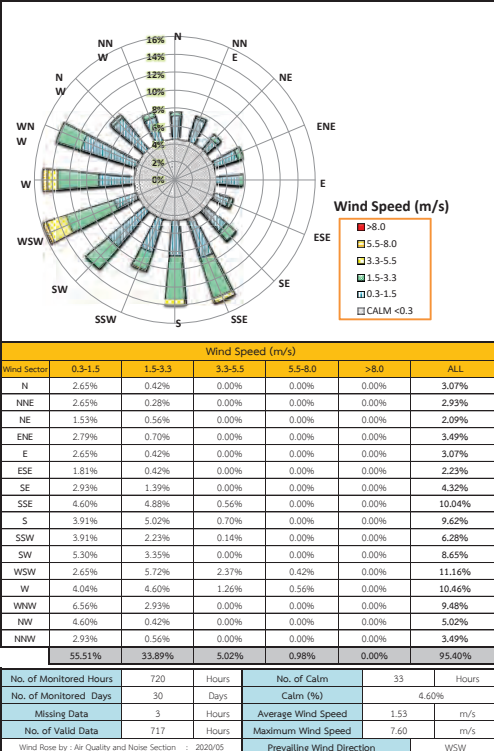
MONTHLY REPORT
METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd. Month : September
MONITORING STATION : Ban Klong Klao YEAR : 2023

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Sep 23	25.3	34.7	28.0	55	100	91	1,003	1,008	1,006	26.0
2 Sep 23	26.3	34.7	29.2	53	99	81	1,001	1,006	1,004	13.6
3 Sep 23	25.3	37.2	30.1	46	99	78	1,000	1,005	1,003	0.0
4 Sep 23	27.4	35.7	30.9	50	92	67	1,000	1,005	1,002	0.0
5 Sep 23	26.4	33.5	29.7	49	99	71	1,003	1,008	1,005	0.2
6 Sep 23	26.2	33.7	29.6	52	99	74	1,005	1,009	1,008	0.0
7 Sep 23	26.3	33.3	29.8	54	99	73	1,005	1,009	1,008	0.0
8 Sep 23	26.3	35.8	29.6	44	99	74	1,004	1,010	1,007	0.2
9 Sep 23	26.5	36.7	30.1	41	99	70	1,002	1,008	1,005	0.4
10 Sep 23	25.3	32.9	29.1	57	99	79	1,003	1,009	1,006	3.4
11 Sep 23	24.8	32.7	28.0	56	99	82	1,005	1,008	1,007	0.6
12 Sep 23	26.1	31.8	27.9	64	99	88	1,006	1,010	1,008	0.4
13 Sep 23	25.5	33.0	29.0	54	99	79	1,006	1,010	1,008	0.0
14 Sep 23	25.6	34.4	28.2	50	99	84	1,005	1,009	1,008	2.2
15 Sep 23	25.6	33.6	28.1	51	99	86	1,004	1,008	1,006	1.6
16 Sep 23	25.1	34.5	28.3	48	99	84	1,003	1,008	1,006	2.0
17 Sep 23	24.9	33.9	28.2	53	100	85	1,003	1,009	1,006	7.8
18 Sep 23	25.2	32.0	26.9	63	100	94	1,007	1,011	1,008	4.4
19 Sep 23	25.2	33.8	28.8	54	100	80	1,007	1,011	1,010	0.2
20 Sep 23	24.2	36.2	29.5	45	100	78	1,005	1,011	1,009	22.2
21 Sep 23	22.6	35.5	28.3	47	100	81	1,005	1,012	1,009	63.0
22 Sep 23	22.7	34.8	28.4	48	100	81	1,005	1,011	1,008	2.4
23 Sep 23	25.0	34.8	29.2	54	100	85	1,005	1,010	1,008	1.0
24 Sep 23	25.9	33.8	29.4	55	99	83	1,003	1,008	1,006	0.0
25 Sep 23	25.9	36.3	29.7	49	99	81	1,002	1,007	1,005	0.0
26 Sep 23	24.5	34.5	28.9	52	100	84	1,002	1,007	1,005	7.6
27 Sep 23	25.0	32.6	27.8	62	100	93	1,002	1,006	1,004	1.0
28 Sep 23	25.5	32.2	28.2	64	99	90	1,004	1,009	1,006	0.6
29 Sep 23	25.1	33.9	28.3	54	99	85	1,008	1,012	1,010	1.8
30 Sep 23	25.3	34.2	28.4	55	100	84	1,008	1,012	1,010	0.2
Total	22.6	37.2	28.9	41	100	81	1,000	1,012	1,007	162.8
Day	30			30			30			30
Hours	717			717			717			717

Remarks : P = Power Fail, F = Equipment Fail, N/A = Data not Available

Date/Month/Year : 1-30 September 2023 STATION : Ban Klong Klao



Equipment Status of Ban Klong Klao Monitoring Station "September 2023"								
NO.	Site	Analyzer	Brand	Model	S/N	Status	Asset No	Description
3	วัดเขานาหมื่น (วัดเขานาหมื่น)	CO ₂	Thermo Scientific	43-B2SCA	1162850017	Normal	20011163	
		HC ₂	Thermo Scientific	42-B2M5DCA	1162850015	Normal	20011165	
		O ₃	Thermo Scientific	49-B2HCA	1162850019	Normal	20011167	
		DUST (TSP)	Thermo Scientific	5014/5030	CM16461001	Normal	20011171	Alarm Zero Flow / Low ค่าผิดปกติแจ้งเตือน
								วันที่ 5 Sep 2023
		DUST (PM - 10)	Thermo Scientific	5014/5030	CM16471014	Normal	20011189	
		ZERO AIR	Thermo Scientific	1160-B-P2N	1162850021	Normal	20011193	
		CALIBRATION	Thermo Scientific	146-8848H-CA	1162850023	Normal	20011195	
		DATA LOGGER	ADWANTECH	HC-30	80A41893A	Normal	60110259-0.1.3.4	
		DATA LOGGER	HP Compaq	SC026CWN2		Normal	99050095.1	
		Switch Hub 16 port	D-LINK	DSS-151160	F30KSCA002170	Normal		
		UPS	Power Mate	YS-3000	13 K01 00087	Normal		
		CPU	hp	4530 SFF	5G94030WY	Normal		
		Display LCD 20"	HP	P201	6C9X5151954	Normal	60110255.2	
		Keyboard Wireless	Logitech	K220	13145C105F18	Normal		
		Mouse Wireless	Logitech	M150		Normal		
		Standard Gas	Alphas		1L1156448	Normal		
		WIND SPEED	LASTEM	DNA 821	20030210	Normal		
		WIND DIRECTION	LASTEM			Normal		
		AIR TEMPERATURE	LASTEM	DMA 875	Ch 1506488	Normal		
		RELATIVE HUMIDITY	LASTEM	DMA 875	Ch 1506488	Normal		
		BAROMETRIC PRESSURE	LASTEM	DQA 208	R404017	Normal		
		RAIN GAUGE	LASTEM	DQA 030		Normal		

สถานีบ้านขาวเหนือ
(สถานที่ตรวจวัด : บ้านขาวเหนือ)



MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd. MONTH : September
MONITORING STATION : Ban Chao Nua YEAR : 2023

Date	Concentration				
	TSP (µg/m ³)	PM-10 (µg/m ³)	SO ₂ (ppb)	NO ₂ (ppb)	O ₃ (ppb)
	24-Hr. Avg.	24-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Sep 23	28	23	1	1	0 - 6
2 Sep 23	31	27	1	1	0 - 4
3 Sep 23	24	20	1	1	0 - 8
4 Sep 23	16	11	1	1	1 - 5
5 Sep 23	11	8	1	1	0 - 4
6 Sep 23	14	10	1	1	0 - 7
7 Sep 23	17	13	1	1	0 - 8
8 Sep 23	13	10	1	1	1 - 6
9 Sep 23	12	8	1	1 - 2	1 - 5
10 Sep 23	16	12	1	1	1 - 6
11 Sep 23	13	10	1	1	1 - 6
12 Sep 23	14	12	1	1	1 - 5
13 Sep 23	17	13	1	1	1 - 5
14 Sep 23	16	11	1	1	1 - 4
15 Sep 23	15	11	1	1	1 - 4
16 Sep 23	14	10	1	1	1 - 4
17 Sep 23	14	13	1	1	1 - 3
18 Sep 23	18	14	1	1	1 - 5
19 Sep 23	20	18	1	1	1 - 4
20 Sep 23	16	14	1	1	1 - 4
21 Sep 23	11	9	1	1 - 2	1 - 2
22 Sep 23	14	12	1	1	1 - 10
23 Sep 23	19	18	1	1	N/A
24 Sep 23	20	17	1	1	N/A
25 Sep 23	20	18	1	1 - 2	N/A
26 Sep 23	16	14	1	1	N/A
27 Sep 23	16	12	1	1	4 - 12
28 Sep 23	15	12	1	1	3 - 9
29 Sep 23	16	10	1	1	2 - 9
30 Sep 23	21	17	1	1	5 - 12
Range	11 - 31	8 - 27	1	1 - 2	0 - 12
Number of times exceeded standard	0	0	0	0	0
Total Day	30	30	30	30	30
Monitoring Hour	719	719	689	689	689
Ambient Air Quality Standard	350	120	120	500	170

Remark > 1) Standards = Ambient Air Quality Standards of the National Environment Board
2) TSP = Total Suspended Particulate
3) PM-10 = Particulate Matter less than 10 µm
4) SO₂ = Sulfur Dioxide
5) NO₂ = Nitrogen Dioxide
6) N/A = Data not Available
7) * = Exceeding air quality standard
8) - = Not Measurement



MONTHLY REPORT
METEOROLOGY MONITORING RESULT

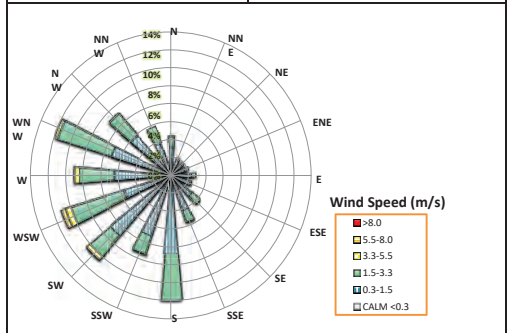
PROJECT : Ratchaburi Electricity Generating Co.,Ltd. Month : September
MONITORING STATION : Ban Chao Nua YEAR : 2023

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Summ. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Sep 23	25.8	34.6	28.5	56	100	91	1,001	1,006	1,004	0.2
2 Sep 23	26.8	34.0	29.6	56	99	78	1,000	1,004	1,002	2.6
3 Sep 23	25.3	36.1	29.8	47	99	79	998	1,003	1,001	0.0
4 Sep 23	27.5	35.4	30.4	53	94	75	998	1,003	1,001	0.2
5 Sep 23	25.5	34.1	29.2	49	99	77	1,002	1,006	1,003	0.8
6 Sep 23	25.7	32.6	29.0	56	99	80	1,004	1,008	1,006	0.0
7 Sep 23	26.0	33.0	29.5	57	99	80	1,004	1,008	1,006	0.0
8 Sep 23	26.0	34.6	29.3	50	99	78	1,003	1,008	1,006	0.4
9 Sep 23	26.4	35.9	29.2	45	99	81	1,000	1,006	1,004	7.0
10 Sep 23	24.8	32.4	28.7	62	99	82	1,002	1,007	1,004	4.6
11 Sep 23	24.6	33.1	27.9	59	99	85	1,003	1,006	1,005	0.8
12 Sep 23	25.7	32.1	27.9	65	99	89	1,004	1,008	1,006	0.2
13 Sep 23	25.5	33.2	28.7	54	99	83	1,004	1,008	1,006	0.2
14 Sep 23	25.4	33.9	28.0	53	99	86	1,004	1,007	1,006	6.6
15 Sep 23	25.2	33.8	27.7	54	99	89	1,002	1,006	1,005	6.4
16 Sep 23	25.1	33.9	28.0	54	99	86	1,002	1,006	1,004	9.4
17 Sep 23	24.8	33.1	27.7	59	100	88	1,002	1,007	1,005	11.4
18 Sep 23	25.1	32.8	27.0	65	100	94	1,005	1,009	1,007	6.0
19 Sep 23	25.3	33.2	28.5	59	100	85	1,005	1,010	1,008	0.2
20 Sep 23	25.7	34.7	29.2	52	99	83	1,004	1,009	1,007	0.4
21 Sep 23	22.8	34.5	28.1	54	100	83	1,003	1,011	1,007	38.8
22 Sep 23	23.2	34.2	28.2	50	100	85	1,003	1,009	1,006	1.2
23 Sep 23	25.1	33.6	28.5	62	100	89	1,003	1,008	1,006	11.2
24 Sep 23	26.0	32.7	28.8	64	99	89	1,002	1,007	1,005	0.0
25 Sep 23	26.0	35.7	29.4	52	99	84	1,001	1,006	1,003	0.0
26 Sep 23	24.9	33.2	28.8	61	100	86	1,000	1,005	1,003	5.6
27 Sep 23	25.1	32.3	27.6	68	100	95	1,000	1,005	1,003	3.4
28 Sep 23	25.6	32.2	28.1	67	99	90	1,003	1,007	1,005	0.4
29 Sep 23	24.8	33.2	28.1	57	99	86	1,006	1,011	1,008	1.6
30 Sep 23	25.3	33.4	28.2	58	100	86	1,006	1,010	1,008	0.0
Total	22.8	36.1	28.6	45	100	85	998	1,011	1,005	119.6
Day	30			30						30
Hours	720			720			720			720

Remarks > P = Power Fail, F = Equipment Fail, N/A = Data not Available



Date/Month/Year : 1-30 September 2023 STATION : Ban Chao Nua



Wind Speed (m/s)					
Wind Sector	0.3-1.5	1.5-3.3	3.3-5.5	5.5-8.0	>8.0
N	2.78%	0.97%	0.14%	0.00%	0.00%
NNE	1.53%	0.28%	0.00%	0.00%	0.00%
NE	1.39%	0.28%	0.00%	0.00%	0.00%
ENE	1.39%	0.42%	0.00%	0.00%	0.00%
E	1.94%	0.42%	0.00%	0.00%	0.00%
ESE	1.94%	0.14%	0.00%	0.00%	0.00%
SE	2.64%	1.11%	0.00%	0.00%	0.00%
SSE	3.61%	1.25%	0.00%	0.00%	0.00%
S	7.78%	4.58%	0.00%	0.00%	0.00%
SSW	6.25%	1.94%	0.00%	0.00%	0.00%
SW	7.78%	2.78%	0.42%	0.00%	0.00%
WSW	4.86%	5.56%	0.56%	0.42%	0.00%
W	5.56%	3.61%	0.42%	0.00%	0.00%
WNW	6.11%	5.69%	0.28%	0.00%	0.00%
NW	5.14%	2.92%	0.00%	0.00%	0.00%
NNW	3.33%	1.51%	0.00%	0.00%	0.00%
	64.03%	33.79%	1.81%	0.42%	0.00%

No. of Monitored Hours	720	Hours	No. of Calm	0	Hours
No. of Monitored Days	30	Days	Calm (%)	0.00%	
Missing Data	0	Hours	Average Wind Speed	1.36	m/s
No. of Valid Data	720	Hours	Maximum Wind Speed	6.50	m/s

Wind Rose by : Air Quality and Noise Section : 2020/05

Prevailing Wind Direction : S

Equipment Status of Ban Chao Nua Monitoring Station "September 2023"								
No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No	Description
๑	บ้านเขาหนือ	CO ₂	Thermo Scientific	43i-R2SAB	1315757997	Normal	20210096	
		NO _x	Thermo Scientific	42i-R2VGSAB	1315757996	Normal	20210098	Alarm Zero Flow #1 มีปัญหาล็อกเกอร์/โอเวอร์โฟลว์
								วันที่ 23-26 Sep 2023
		O ₃	Thermo Scientific	49H-R2NAB	1315757999	Normal	20210100	
		SO ₂ (TSP)	Thermo Scientific	502A (i20i-004-0)	C013211006	Normal	20210094	
		SO ₂ (PM ₁₀ - 10)	Thermo Scientific	502A (i20i-004-3)	C013211005	Normal	20210092	
		ZERO AIR	Thermo Scientific	1160 B-H2C	1315780010	Normal	20210102.1	
		CALIBRATOR	Thermo Scientific	1460-BB36AB	1315780001	Normal	20210102.3	
		DATA LOGGER/Recorder	ADVANTECH	IPC 510	K0A1478933	Normal	60110252 0000.1 3.4	
		Data LOGGER License	Envitech	Envitech Ultimate	281230	Normal	-	
		Switch Hub 16 port	TP-LINK	TL-SF1016	12806701720	Normal	-	
		UPS	Power Mate	176-3000	13 X01 00082	Normal	-	
		Display LCD 20"	HP	P201	6C0A1515108	Normal	60110252.2	
		Keyboard Wireless	Logitech	K220	13148C105A68	Normal	-	
		Mouse Wireless	Logitech	M350	13135C000A08	Normal	-	
		Standard Gas	Aligas	LI121560		Normal	-	
		WIND SPEED	LASTEM	DNA 827	R2 1306562	Normal	20210013 0013	
		WIND DIRECTION	LASTEM	DNA 827	R2 1306562	Normal	20210013 0014	
		AIR TEMPERATURE	LASTEM	DNA 875	CH 1306501	Normal	20210013 0015	
		RELATIVE HUMIDITY	LASTEM	DNA 875	CH 1306501	Normal	20210013 0016	
		BAROMETRIC PRESSURE	LASTEM	DQA 208	-	Normal	20210013 0016	
		RAIN GAUGE	LASTEM	DQA 030	-	Normal	20210013 0018	

Preventive maintenance schedule,

Plan and actual

งานบำรุงรักษายานชนิดตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง โรงไฟฟ้า บริษัท ราชบุรีเพาเวอร์ ประจำปี 2023

รายละเอียดงาน	มกราคม				กุมภาพันธ์				มีนาคม				เมษายน				พฤษภาคม				มิถุนายน				กรกฎาคม				สิงหาคม				กันยายน				ตุลาคม				พฤศจิกายน				ธันวาคม			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12					
1. งานปฎิบัติตามกฎเกณฑ์และข้อกำหนด																																																
- ตรวจเช็ค																																																
- ฝึกอบรม																																																
2. งานทำรายงานและจัดทำเอกสารตามข้อกำหนด																																																
- จัดทำรายงาน																																																
- จัดทำเอกสาร																																																
3. งานปฎิบัติตามกฎเกณฑ์และข้อกำหนด																																																
- ฝึกอบรม																																																
- จัดทำเอกสาร																																																
4. งานทำรายงานและจัดทำเอกสารตามข้อกำหนด																																																
- จัดทำรายงาน																																																
- จัดทำเอกสาร																																																
5. งานทำรายงานและจัดทำเอกสารตามข้อกำหนด																																																
- จัดทำรายงาน																																																
- จัดทำเอกสาร																																																
6. งานทำรายงานและจัดทำเอกสารตามข้อกำหนด																																																
- จัดทำรายงาน																																																
- จัดทำเอกสาร																																																
7. งานทำรายงานและจัดทำเอกสารตามข้อกำหนด																																																
- จัดทำรายงาน																																																
- จัดทำเอกสาร																																																
8. งานทำรายงานและจัดทำเอกสารตามข้อกำหนด																																																
- จัดทำรายงาน																																																
- จัดทำเอกสาร																																																
9. งานทำรายงานและจัดทำเอกสารตามข้อกำหนด																																																

Corrective maintenance work list

[illegible]

Engineer: Mr. Pongviriya Chaowalit

Air Quality & Noise Section, Environmental Quality Monitoring Department, Project Environment Division, EGAT

Remark :

Weekly report

Weekly Report _ AAQM-RB

Site :	Ratchaburi Power Plant	Week No.	36
--------	------------------------	----------	----

Date : 3-Sep-23 to 9-Sep-23

ผู้ปฏิบัติงาน : 1) นาย พงศ์วิริยะ เชาวลิตร์ 2) _____
3) _____ 4) _____

พชร. : นาย สง่า กรุ่มรัมย์

สรุปรายละเอียดการปฏิบัติงาน

- Data logger ปกติ

- Station โดยรอบปกติ

- Standard gas 1780 psi

- Replace filter high-volume Run 12/09/2023

Cal Single point of all analyzer

Remark :

นาย พงศ์วิริยะ เชาวลิตร

ผู้ปฏิบัติงาน

Date : 10-Sep-2023

Weekly Report _ AAQM-RB

Site :	Ratchaburi Power Plant	Week No.	37
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Date : 10-Sep-23 to 16-Sep-23

ผู้ปฏิบัติงาน : 1) นาย พงศ์วิริยะ เชาวลิตร 2) _____
3) _____ 4) _____

พพร. : นาย สง่า กรุ่มรัมย์

สรุปรายละเอียดการปฏิบัติงาน

- Data logger ปกติ

- Station โดยรอบปกติ

- Standard gas 1780 psi

- Replace filter high-volume Run 18/09/2023

- Cal Single point of all analyzer

Remark :

นาย พงศ์วิริยะ เชาวลิตร

ผู้ปฏิบัติงาน

Date : 17-Sep-2023

Calibration result

Calibration Sheet

Project : Ratchaburi Power Plant

Page 01

Site No. : 5

Station : Donsai

Date : 7 Sep 23

Start Time : 09:00

Analyzer	SO ₂	NO _x	O ₃	Standard Gas	SO ₂	NO _x	Remark
Manufacture	ECOTECH	Thermo	ECOTECH	Cylinder No.	D 636099		
Model	EC 9850B	42iQ-BBANN	EC 9810 B	Concentration	50.10	51.90	
Serial No.	05-1274	1181510016	06-0001	Multi Gas Calibrator			
Range	0 - 500 ppb	0 - 500 ppb	0 - 500 ppb	Model : Sabco(4010)	Serial No. : -		

Phase	Set Point	Desire Value			Monitor Value			Drift			% Drift			Factor
SO ₂ Before Calibrate	Zero	0.0			2.0			-2.0			-0.4			Gain : 21.18
	Span(Lo.)	80.0			-			-			-			
	Span(Mid.)	150.0			-			-			-			
	Span(Hi.)	450.0			455.0			-5.0			-1.1			
SO ₂ After Calibrate	Zero	0.0			2.0			-2.0			-0.4			Gain : 20.81
	Span(Lo.)	80.0			-			-			-			
	Span(Mid.)	150.0			-			-			-			
	Span(Hi.)	450.0			450.0			0.0			0.0			
NO _x Before Calibrate	Zero	0.0	NO ₂	NO _x	NO	NO ₂	NO _x	NO	NO ₂	NO _x	NO	NO ₂	NO _x	NO COEF : 1.049 NO ₂ COEF : 1.000 NO _x COEF : 1.011
	Span(Lo.)	80.0	0.0	80.0	-	-	-	-	-	-	-	-	-	
	Span(Mid.)	150.0	0.0	150.0	-	-	-	-	-	-	-	-	-	
	Span(Hi.)	450.0	0.0	450.0	464.0	5.0	469.0	-14.0	-5.0	-19.0	-3.1	-1.1	-4.2	
NO _x After Calibrate	Zero	0.0	0.0	0.0	2.7	0.9	3.6	-2.7	-0.9	-3.6	-0.5	-0.2	-0.7	NO COEF : 1.016 NO ₂ COEF : 1.000 NO _x COEF : 0.996
	Span(Lo.)	80.0	0.0	80.0	-	-	-	-	-	-	-	-	-	
	Span(Mid.)	150.0	0.0	150.0	-	-	-	-	-	-	-	-	-	
	Span(Hi.)	450.0	0.0	450.0	450.0	1.0	451.0	0.0	-1.0	-1.0	0.0	-0.2	-0.2	
O ₃ Before Calibrate	Zero	0.0			2.0			-2.0			-0.4			Gain : 0.984
	Span(Lo.)	80.0			-			-			-			
	Span(Mid.)	150.0			-			-			-			
	Span(Hi.)	450.0			429.0			21.0			4.7			
O ₃ After Calibrate	Zero	0.0			2.0			-2.0			-0.4			Gain : 1.027
	Span(Lo.)	80.0			-			-			-			
	Span(Mid.)	150.0			-			-			-			
	Span(Hi.)	450.0			449.0			1.0			0.2			
Zero Drift = Desire Value - Monitor Valve % Zero Drift = (Zero Drift/Full Scale) * 100 % Zero Drift +/- 3% Accept Data								Span Drift = Desire Value - Monitor Value % Span Drift = (Span Drift/Desire Value) * 100 % Span Drift +/- 5% Accept Data						

Calibrate by : Pongviriya

Finish Time : 10:00

Air Quality & Noise Section, Environmental Quality Monitoring Department, Project Environment Division, EGAT

Comment : _____

Calibration Sheet

Project : Ratchaburi Power Plant

Page 02

Site No. : 5 Station : Donsai Date : 14 Sep 23

Start Time : 09:00

Analyzer	SO ₂	NO _x	O ₃	Standard Gas	SO ₂	NO _x	Remark
Manufacture	ECOTECH	Thermo	ECOTECH	Cylinder No.	D 636099		
Model	EC 9850B	42iQ-BBANN	EC 9810 B	Concentration	50.10	51.90	
Serial No.	05-1274	1181510016	06-0001	Multi Gas Calibrator			
Range	0 - 500 ppb	0 - 500 ppb	0 - 500 ppb	Model : Sabco(4010)	Serial No. : -		

Phase	Set Point	Desire Value	Monitor Value			Drift		% Drift			Factor												
SO ₂ Before Calibrate	Zero	0.0	3.0			-3.0		-0.6			Gain : 20.81												
	Span(Lo.)	80.0	-			-		-															
	Span(Mid.)	150.0	-			-		-															
	Span(Hi.)	450.0	449.0			1.0		0.2															
SO ₂ After Calibrate	Zero	0.0	-			-		-			Gain : -												
	Span(Lo.)	80.0	-			-		-															
	Span(Mid.)	150.0	-			-		-															
	Span(Hi.)	450.0	-			-		-															
NO _x Before Calibrate	Zero	0.0	0.0	NO ₂	NO _x	NO	NO ₂	NO _x	NO	NO ₂	NO _x	NO COEF : 1.016 NO ₂ COEF : 1.000 NO _x COEF : 0.996											
	Span(Lo.)	80.0	0.0	80.0	-	-	-	-	-	-	-												
	Span(Mid.)	150.0	0.0	151.0	-	-	-	-	-	-	-												
	Span(Hi.)	450.0	0.0	450.0	449.0	0.0	449.0	1.0	0.0	1.0	0.2		0.2										
NO _x After Calibrate	Zero	0.0	0.0	0.0	2.6	0.4	3.0	-2.6	-0.4	-3.0	-0.5	-0.1	-0.6	NO COEF : 1.016 NO ₂ COEF : 1.000 NO _x COEF : 0.995									
	Span(Lo.)	80.0	1.0	81.0	-	-	-	-	-	-	-	-	-										
	Span(Mid.)	150.0	1.0	151.0	-	-	-	-	-	-	-	-	-										
	Span(Hi.)	450.0	0.0	450.0	450.0	1.0	451.0	0.0	-1.0	-1.0	0.0	-0.2	-0.2										
O ₃ Before Calibrate	Zero	0.0	2.0			-2.0		-0.4			Gain : 1.027												
	Span(Lo.)	80.0	-			-		-															
	Span(Mid.)	150.0	-			-		-															
	Span(Hi.)	450.0	449.0			1.0		0.2															
O ₃ After Calibrate	Zero	0.0	-			-		-			Gain : -												
	Span(Lo.)	80.0	-			-		-															
	Span(Mid.)	150.0	-			-		-															
	Span(Hi.)	450.0	-			-		-															
Zero Drift = Desire Value - Monitor Valve % Zero Drift = (Zero Drift/Full Scale) * 100 % Zero Drift +/- 3% Accept Data												Span Drift = Desire Valve - Monitor Value % Span Drift = (Span Drift/Desire Value) * 100 % Span Drift +/- 5% Accept Data											

Calibrate by : Pongviriya

Finish Time : 10:00

Air Quality & Noise Section, Environmental Quality Monitoring Department, Project Environment Division, EGAT

Comment : _____



รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง
บริษัท ราชบุรีเพาเวอร์ จำกัด

ประจำเดือนตุลาคม 2566

เสนอต่อ

บริษัท ราชบุรีเพาเวอร์ จำกัด

โดย

ฝ่ายสิ่งแวดล้อมโครงการ

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

Remark :-	1) Standards	= Ambient Air Quality Standards of the National Environment Board		
	2) SO ₂	= Sulfur Dioxide	5) N/A	= Data not Available
	3) NO ₂	= Nitrogen Dioxide	6) *	= Exceeding air quality standard
	4) O ₃	= Ozone	7) -	= Not Measurement



MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

MONTH : October

MONITORING STATION : Donsai Sub-district

YEAR : 2023

Date	Concentration (24-Hr Avg)				
	TSP (µg/m ³)		PM-10 (µg/m ³)		PM-2.5 (µg/m ³)
	Micro balance	Hi volume	Micro balance	Hi volume	Micro balance
1 Oct 23	N/A		18		8
2 Oct 23	N/A		15		5
3 Oct 23	N/A		14		5
4 Oct 23	N/A		14		4
5 Oct 23	N/A		15		6
6 Oct 23	N/A	16	11	10	3
7 Oct 23	N/A		13		3
8 Oct 23	N/A		13		4
9 Oct 23	N/A		24		10
10 Oct 23	N/A		29		15
11 Oct 23	N/A		25		12
12 Oct 23	N/A	26	19	16	9
13 Oct 23	N/A		25		16
14 Oct 23	N/A		33		20
15 Oct 23	N/A		20		10
16 Oct 23	N/A		22		13
17 Oct 23	N/A		36		25
18 Oct 23	59	44	41	35	27
19 Oct 23	48		37		24
20 Oct 23	48		33		19
21 Oct 23	25		22		12
22 Oct 23	31		22		11
23 Oct 23	43		30		17
24 Oct 23	46	34	31	27	18
25 Oct 23	35		26		14
26 Oct 23	43		30		18
27 Oct 23	32		22		13
28 Oct 23	37		24		16
29 Oct 23	33		26		14
30 Oct 23	30	26	21	20	8
31 Oct 23	34		24		9
Range	25 - 59	16 - 44	11 - 41	10 - 35	3 - 27
Number of times (exceeded standard)	0	0	0	0	0
Total Day	14	5	31	5	31
Monitoring Hour	335	120	743	120	743
Ambient Air Quality Standard	330	330	120	120	37.5

Remark > 1) Standards : - Ambient Air Quality Standards of the National Environment Board
2) TSP : - Total Suspended Particulate
3) PM-10 : - Particulate Matter less than 10 µm
4) PM-2.5 : - Particulate Matter with diameter of less than 2.5 micron



MONTHLY REPORT
METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

Month : October

MONITORING STATION : Donsai Sub-district

YEAR : 2023

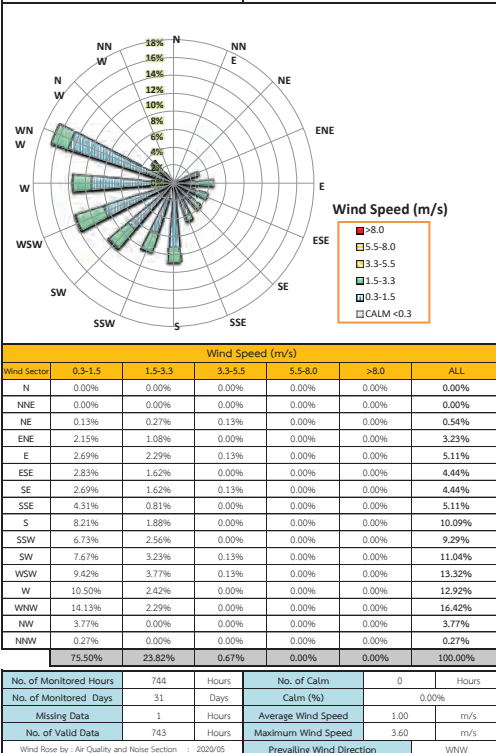
Date	Temperature (° C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Summ. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Oct 23	26.5	37.2	30.3	55	100	83	1,004	1,010	1,008	5.4
2 Oct 23	25.7	35.7	30.1	62	100	82	1,005	1,012	1,008	1.2
3 Oct 23	26.1	38.2	30.2	54	100	81	1,004	1,012	1,008	10.4
4 Oct 23	26.4	35.7	29.4	64	100	88	1,004	1,011	1,007	1.2
5 Oct 23	26.1	35.8	29.4	63	99	87	1,002	1,009	1,005	10.6
6 Oct 23	26.6	34.1	29.6	68	100	86	1,003	1,009	1,005	4.6
7 Oct 23	26.4	36.1	29.7	62	100	85	1,004	1,011	1,008	7.6
8 Oct 23	26.7	34.6	29.4	64	100	85	1,007	1,013	1,010	0.4
9 Oct 23	26.1	36.5	29.9	57	100	81	1,007	1,013	1,010	6.8
10 Oct 23	26.0	32.9	28.7	71	98	86	1,006	1,013	1,009	0.6
11 Oct 23	26.4	32.5	28.0	75	100	93	1,007	1,014	1,010	49.8
12 Oct 23	25.1	34.7	28.0	69	100	93	1,009	1,016	1,012	29.4
13 Oct 23	25.9	33.8	29.3	72	100	88	1,007	1,017	1,011	1.8
14 Oct 23	26.8	36.2	30.7	53	97	80	1,005	1,012	1,009	0.0
15 Oct 23	26.4	36.0	30.2	61	96	82	1,003	1,010	1,007	1.2
16 Oct 23	25.0	32.8	28.7	72	100	87	1,005	1,012	1,008	15.2
17 Oct 23	26.9	34.3	29.5	65	97	86	1,007	1,013	1,010	7.2
18 Oct 23	26.4	35.3	30.0	63	98	84	1,007	1,014	1,010	0.0
19 Oct 23	26.4	36.7	29.8	56	99	83	1,007	1,013	1,010	0.0
20 Oct 23	25.3	36.4	29.3	56	100	85	1,004	1,013	1,008	0.0
21 Oct 23	24.0	30.0	26.8	81	100	94	1,002	1,019	1,011	40.0
22 Oct 23	24.6	32.9	27.9	72	100	90	1,009	1,018	1,013	0.0
23 Oct 23	25.5	35.6	28.5	60	100	90	1,004	1,017	1,012	14.8
24 Oct 23	26.2	34.7	29.1	66	99	88	1,007	1,014	1,011	0.0
25 Oct 23	25.5	34.0	28.7	68	96	87	1,008	1,015	1,011	0.0
26 Oct 23	26.4	34.6	29.2	68	100	90	1,006	1,014	1,010	8.2
27 Oct 23	25.7	35.5	29.2	63	100	88	1,006	1,014	1,010	1.0
28 Oct 23	24.8	37.0	30.1	56	99	83	1,006	1,014	1,010	0.0
29 Oct 23	23.8	34.6	28.4	66	100	89	1,007	1,014	1,010	27.0
30 Oct 23	24.3	31.1	26.8	80	100	95	1,007	1,014	1,010	27.0
31 Oct 23	25.6	30.2	27.6	80	100	91	1,009	1,017	1,012	0.0
Total	23.8	38.2	29.1	53	100	87	1,002	1,019	1,009	271.4
Day	31			31			31			31
Hours	743			743			735			739

Remarks > P = Power Fail, F = Equipment Fail, N/A = Data not Available



Date/Month/Year : 1-31/October/2023

STATION : Donsai Sub-district



Equipment Status of Donsai Sub-district Monitoring Station "October 2023"						
No.	Site	Analyzer	Brand	Model	S/N	Status
5	returning	SO ₂	Ecotech	EC9850B	05-1274	Normal
		O ₃	Ecotech	EC9810B	06-0001	Normal
		NO ₂	Thermo	4202	-	Normal
		DUST (PM - 10/2.5)	Thermo	1405DF	-	Normal
		DUST (TSP)	Thermo	1400ab	140AB259730601	Fail
		O ₂	Biken koki	OK-600	-	Fail
		H-volume air sampler(PM-10)	Ecotech	HV53000	05-1104	Normal
		H-volume air sampler(TSP)	Ecotech	HV53000	05-1103	Normal
		WIND SPEED	Met One	010C	ET612	Normal
		WIND DIRECTION	Met One	020C	F1128	Normal
		AT/RH	Met One	0830-1-35	F1320	Normal
		BAROMETRIC PRESSURE	Met One	090D	F1231	Normal
		Rain gauge	Met One	-	-	Normal
		Multi Translator	Met One	227B	F1284	Normal
		Data Logger	ADVANTECH	IPC-510	-	Normal
		Multi Gas Calibration	SABIO	4010	10260306	Normal
		Zero Air Generator	SABIO	1001	030614768	Normal
		Modem	Tornado	FMV56.0E	4088712	Normal
		Air Condition 1	Dalim	AR180V25	E003687	Normal
		Air Condition 2	Dalim	AR180V25	E002831	Normal

ภาคผนวก

สถานีบ้านดอนมดตะนอย
(สถานที่ตรวจวัด : วัดนักบุญอันโตนีโอ)



MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd. MONTH : October
MONITORING STATION : Ban Don Mod Tanol YEAR : 2023

Date	Concentration					
	TSP (µg/m ³) 24-Hr. Avg.	PM-10 (µg/m ³) 24-Hr. Avg.	SO ₂ (ppb) 24-Hr. Avg.	1-Hr. Avg.	NO ₂ (ppb) 1-Hr. Avg.	O ₃ (ppb) 1-Hr. Avg.
1 Oct 23	21	12	3	2 - 3	1 - 5	2 - 40
2 Oct 23	18	9	3	2 - 3	1 - 5	3 - 28
3 Oct 23	21	10	3	2 - 3	1 - 5	3 - 33
4 Oct 23	20	8	3	2 - 3	1 - 7	3 - 28
5 Oct 23	17	8	3	3	1 - 4	5 - 48
6 Oct 23	20	6	3	2 - 3	1 - 9	4 - 32
7 Oct 23	17	9	3	2 - 3	1 - 5	3 - 31
8 Oct 23	23	7	3	2 - 3	0 - 5	3 - 25
9 Oct 23	30	22	3	2 - 3	1 - 6	3 - 38
10 Oct 23	32	28	3	3	2 - 8	13 - 51
11 Oct 23	24	18	3	3 - 4	2 - 8	10 - 77
12 Oct 23	23	13	3	2 - 3	2 - 10	13 - 75
13 Oct 23	30	22	3	2 - 4	2 - 17	10 - 70
14 Oct 23	36	24	3	3	2 - 21	6 - 61
15 Oct 23	25	18	3	2 - 4	1 - 8	10 - 67
16 Oct 23	28	20	3	3	1 - 13	18 - 59
17 Oct 23	43	38	3	3 - 5	3 - 10	14 - 100
18 Oct 23	46	41	3	3 - 4	2 - 10	8 - 75
19 Oct 23	37	33	3	2 - 3	2 - 7	7 - 56
20 Oct 23	35	27	3	2 - 3	2 - 11	7 - 73
21 Oct 23	28	20	3	2 - 4	1 - 9	6 - 49
22 Oct 23	27	14	3	2 - 4	2 - 10	3 - 54
23 Oct 23	35	28	3	3 - 4	2 - 16	3 - 72
24 Oct 23	38	28	3	3 - 5	2 - 17	5 - 70
25 Oct 23	24	18	3	3 - 4	1 - 11	13 - 64
26 Oct 23	34	26	3	3 - 5	3 - 9	2 - 76
27 Oct 23	37	26	3	3 - 4	3 - 12	7 - 51
28 Oct 23	30	22	3	3 - 4	1 - 17	4 - 56
29 Oct 23	33	22	3	3 - 4	2 - 8	8 - 66
30 Oct 23	25	17	3	3 - 4	2 - 10	6 - 52
31 Oct 23	29	16	3	3 - 4	2 - 8	8 - 48
Range	17 - 46	6 - 41	3	2 - 5	0 - 21	2 - 100
Number of times (exceeded standard)	0	0	0	0	0	0
Total / Day	31	31	31	31	31	31
Monitoring / Hour	744	744	712	712	712	712
Ambient Air Quality Standard	330	120	120	300	170	100

Remark > 1) Standards - Ambient Air Quality Standards of the National Environment Board
2) TSP - Total Suspended Particulate
3) PM-10 - Particulate Matter less than 10 µm 6) N/A - Data not Available
4) SO₂ - Sulfur Dioxide 7) * - Exceeding air quality standard
5) NO₂ - Nitrogen Dioxide 8) - Not Measurement



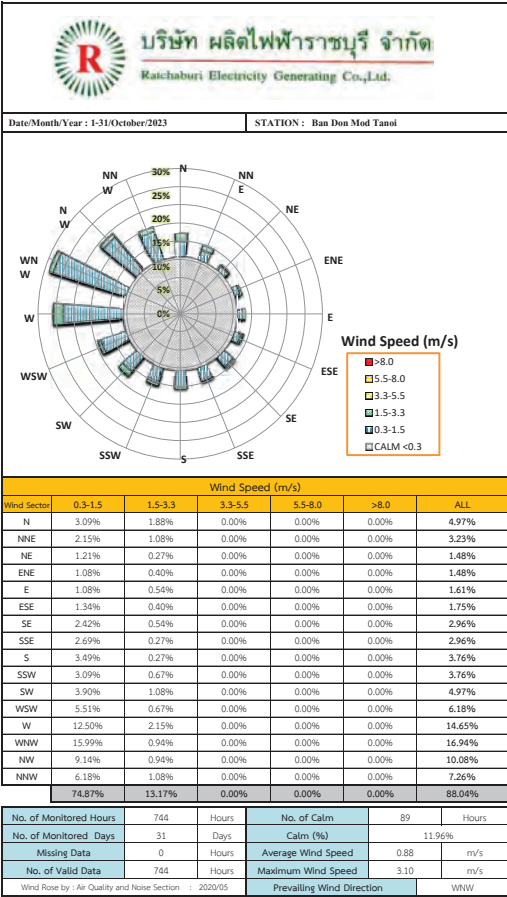
MONTHLY REPORT

METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd. Month : October
MONITORING STATION : Ban Don Mod Tanol YEAR : 2023

Date	Temperature (° C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Summ. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Oct 23	25.4	34.6	28.9	53	99	84	1,007	1,012	1,010	0.8
2 Oct 23	24.7	33.5	28.9	57	99	82	1,007	1,013	1,010	0.0
3 Oct 23	24.8	36.1	28.7	44	99	82	1,007	1,012	1,010	10.4
4 Oct 23	24.8	33.1	27.8	58	99	91	1,007	1,012	1,010	4.2
5 Oct 23	24.6	34.5	28.4	55	99	87	1,005	1,010	1,008	0.8
6 Oct 23	25.2	31.8	28.0	66	99	90	1,006	1,011	1,008	1.2
7 Oct 23	25.2	34.7	28.5	50	99	85	1,007	1,012	1,010	13.8
8 Oct 23	25.4	32.2	28.1	60	99	84	1,009	1,013	1,011	0.0
9 Oct 23	24.1	34.0	28.3	50	99	81	1,009	1,013	1,011	39.0
10 Oct 23	24.5	31.6	27.6	68	99	91	1,008	1,013	1,011	0.0
11 Oct 23	24.9	30.4	26.7	83	99	96	1,009	1,014	1,012	36.0
12 Oct 23	24.4	32.7	26.6	64	100	92	1,010	1,016	1,013	14.6
13 Oct 23	24.6	34.3	28.6	56	99	87	1,009	1,014	1,012	0.2
14 Oct 23	25.7	34.7	29.4	45	99	83	1,007	1,013	1,011	0.0
15 Oct 23	25.0	35.2	29.2	49	99	85	1,006	1,011	1,009	7.4
16 Oct 23	23.6	31.3	27.4	71	99	91	1,008	1,013	1,011	20.0
17 Oct 23	25.3	34.1	28.8	50	99	86	1,009	1,013	1,011	0.0
18 Oct 23	25.1	34.0	28.7	54	99	85	1,009	1,014	1,011	0.0
19 Oct 23	25.2	35.3	28.4	46	99	87	1,009	1,013	1,011	0.2
20 Oct 23	25.0	35.5	28.5	45	99	85	1,008	1,013	1,011	0.4
21 Oct 23	22.7	28.8	25.8	85	99	97	1,010	1,016	1,013	59.0
22 Oct 23	23.3	31.6	26.5	70	100	94	1,011	1,017	1,014	4.8
23 Oct 23	24.1	33.2	27.6	55	99	89	1,011	1,016	1,013	0.4
24 Oct 23	24.9	33.7	27.6	56	99	90	1,009	1,014	1,012	28.4
25 Oct 23	24.3	32.4	27.2	65	99	93	1,010	1,015	1,012	0.8
26 Oct 23	24.6	33.1	28.4	64	99	87	1,008	1,014	1,012	0.0
27 Oct 23	24.6	34.4	28.1	53	99	91	1,008	1,014	1,011	0.4
28 Oct 23	23.8	35.1	29.0	49	99	83	1,008	1,014	1,011	0.0
29 Oct 23	23.8	33.6	27.5	59	99	91	1,009	1,014	1,011	2.6
30 Oct 23	23.1	31.7	25.6	71	100	97	1,010	1,014	1,012	67.0
31 Oct 23	24.5	29.7	26.6	85	99	97	1,010	1,016	1,013	0.0
Total	22.7	36.1	27.9	44	100	88	1,005	1,017	1,011	312.4
Day	31			31						31
Hours	744			744						744

Remarks > P = Power Fail, F = Equipment Fail, N/A = Data not Available



Equipment Status of Ban Don Mod Tanoi Monitoring Station "October 2023"								
No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No.	Description
1	บ้านดอนมดแดง	NO ₂	Thermo Scientific	43-B2SCA	1162850018	Normal	20511164	
	(วัดวังยาง)	NO ₂	Thermo Scientific	42-B2M5CA	1162850016	Normal	20511166	
		O ₃	Thermo Scientific	49-B2NCA	1162850020	Normal	20511168	
		DUST (TSP)	Thermo Scientific	5014/5030	CM16461002	Normal	20511172	
		DUST (PM - 10)	Thermo Scientific	5014/5030	CM16471015	Normal	20511170	
		ZERO AIR	Thermo Scientific	1160-BP2N	1162850022	Normal	20511174	
		CALIBRATOR	Thermo Scientific	1460-BB6PCA	1162850024	Normal	20511176	
		DATA LOGGER	ADVANTECH	IPC 50	KMA1478934	Normal	60110253.1.3.4	
		Switch Hub 16 port	TP-LINK	TL-SF1016	12086700507	Normal	-	
		UPS	Power Matic	TR-3000	13K000080	Normal	-	
		Display LCD 20"	hp	P201	6CM3151950	Normal	60110253.2	
		Keyboard	Logitech	K220	13145C105F28	Normal	-	
		Mouse	Logitech	M150	-	Normal	-	
		Standard Gas	Alphas	-	LL111365	Normal	-	
		WIND SPEED	LASTEM	DNK 827	-	Normal	-	
		WIND DIRECTION	LASTEM	-	-	Normal	-	
		AIR TEMPERATURE	LASTEM	DMA 875	CH 1506300	Normal	-	
		RELATIVE HUMIDITY	LASTEM	DMA 875	CH 1506300	Normal	-	
		BAROMETRIC PRESSURE	LASTEM	DQA 208	R604016	Normal	-	
		RAIN GAUGE	LASTEM	DQA 630	-	Normal	-	

สถานีบ้านบางกะโด
(สถานที่ตรวจวัด : วัดบางกะโด)

บริษัท ผลิตไฟฟ้าราชบุรี จำกัด
Ratchaburi Electricity Generating Co.,Ltd.

MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd. MONTH : October
MONITORING STATION : Wat Bang Gado YEAR : 2023

Date	Concentration					
	TSP (µg/m ³)	PM-10 (µg/m ³)	SO ₂ (ppb)		NO ₂ (ppb)	O ₃ (ppb)
	24-Hr Avg.	24-Hr Avg.	24-Hr Avg.	1-Hr Avg.	1-Hr Avg.	1-Hr Avg.
1 Oct 23	36	18	2	2	1 - 4	6 - 31
2 Oct 23	37	14	2	2	1 - 8	5 - 27
3 Oct 23	29	12	2	2	1 - 4	8 - 29
4 Oct 23	31	13	2	2	1 - 7	4 - 30
5 Oct 23	31	14	2	2	1 - 4	5 - 49
6 Oct 23	28	9	2	2 - 3	2 - 7	15 - 47
7 Oct 23	31	19	2	2 - 3	1 - 4	10 - 36
8 Oct 23	32	13	2	2 - 3	1 - 7	4 - 52
9 Oct 23	46	31	2	2 - 3	1 - 6	11 - 36
10 Oct 23	49	27	2	2	1 - 6	17 - 46
11 Oct 23	37	22	2	2 - 3	2 - 7	10 - 57
12 Oct 23	36	18	2	2 - 3	2 - 15	15 - 70
13 Oct 23	48	29	2	2	2 - 19	3 - 66
14 Oct 23	50	29	2	2 - 3	1 - 22	12 - 48
15 Oct 23	40	24	2	2 - 3	1 - 8	17 - 60
16 Oct 23	44	21	2	2 - 3	1 - 13	20 - 51
17 Oct 23	58	39	2	2 - 3	2 - 10	15 - 82
18 Oct 23	63	43	2	2 - 3	2 - 10	16 - 66
19 Oct 23	56	37	2	2 - 3	2 - 9	13 - 49
20 Oct 23	51	29	2	2 - 3	2 - 11	14 - 59
21 Oct 23	39	19	2	2 - 3	2 - 8	15 - 42
22 Oct 23	37	20	2	2 - 3	2 - 14	17 - 59
23 Oct 23	51	33	2	2 - 3	2 - 15	9 - 63
24 Oct 23	56	37	2	2 - 3	3 - 16	21 - 61
25 Oct 23	41	26	2	2 - 3	2 - 15	20 - 53
26 Oct 23	50	28	2	2 - 3	0 - 11	5 - 78
27 Oct 23	45	29	2	2 - 3	0 - 5	0 - 28
28 Oct 23	42	19	2	2 - 3	0 - 8	0 - 29
29 Oct 23	48	30	2	2 - 3	0 - 8	0 - 32
30 Oct 23	37	22	2	2 - 3	0 - 11	0 - 15
31 Oct 23	37	22	2	2 - 3	0 - 5	0 - 50
Range	28 - 63	9 - 43	2	2 - 3	0 - 22	0 - 82
Number of times exceeded standard	0	0	0	0	0	0
Total Day	31	31	31	31	31	31
Monitoring Hour	730	744	711	711	711	711
Ambient Air Quality Standard	330	120	120	300	170	100

Remark : 1) Standards - Ambient Air Quality Standards of the National Environment Board
2) TSP - Total Suspended Particulate
3) PM-10 - Particulate Matter less than 10 µm
4) SO₂ - Sulfur Dioxide
5) NO₂ - Nitrogen Dioxide
6) N/A - Data not Available
7) * - Exceeding air quality standard
8) - - Not Measurement



MONTHLY REPORT
METEOROLOGY MONITORING RESULT

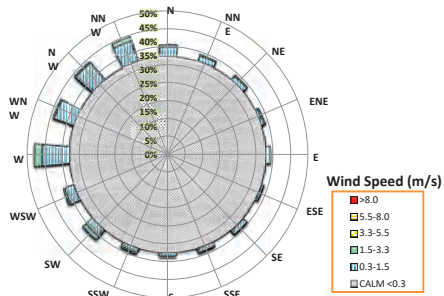
PROJECT : Ratchaburi Electricity Generating Co.,Ltd. Month : October
MONITORING STATION : Wat Bang Gado YEAR : 2023

Date	Temperature (° C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Oct 23	25.7	34.3	29.0	51	95	77	1.006	1.012	1.010	3.0
2 Oct 23	25.5	33.0	29.0	59	93	76	1.007	1.013	1.010	0.0
3 Oct 23	25.4	35.3	28.8	50	95	76	1.007	1.012	1.010	7.2
4 Oct 23	25.8	32.5	28.2	61	96	83	1.007	1.012	1.010	1.4
5 Oct 23	25.2	34.1	28.3	56	96	83	1.005	1.010	1.008	19.2
6 Oct 23	26.0	31.8	28.5	63	95	81	1.006	1.011	1.008	2.4
7 Oct 23	25.6	33.1	28.3	57	97	81	1.007	1.012	1.010	12.2
8 Oct 23	26.2	32.1	28.4	60	97	79	1.009	1.013	1.011	0.2
9 Oct 23	25.3	33.6	28.4	53	94	77	1.009	1.013	1.012	7.8
10 Oct 23	25.1	31.2	27.5	65	92	82	1.008	1.013	1.011	4.0
11 Oct 23	25.5	30.3	27.1	74	96	89	1.009	1.014	1.012	13.0
12 Oct 23	24.9	32.4	27.2	62	96	87	1.010	1.016	1.013	3.8
13 Oct 23	25.3	33.5	28.9	57	97	80	1.009	1.014	1.012	0.0
14 Oct 23	26.2	34.5	29.7	49	92	74	1.007	1.013	1.011	0.0
15 Oct 23	25.4	34.4	29.3	54	91	75	1.006	1.011	1.009	0.0
16 Oct 23	24.4	30.6	27.7	70	97	82	1.008	1.013	1.011	7.4
17 Oct 23	25.5	33.0	28.6	58	94	80	1.009	1.013	1.011	0.6
18 Oct 23	25.8	32.9	28.9	58	94	79	1.009	1.014	1.012	2.8
19 Oct 23	26.0	34.7	28.6	51	94	78	1.009	1.013	1.011	0.0
20 Oct 23	25.7	34.8	28.5	50	92	79	1.008	1.013	1.011	25.8
21 Oct 23	23.8	28.4	26.0	77	96	89	1.011	1.016	1.013	20.0
22 Oct 23	23.9	31.3	26.8	67	97	88	1.011	1.017	1.014	3.0
23 Oct 23	25.2	33.4	28.0	54	95	82	1.010	1.016	1.013	0.0
24 Oct 23	25.6	33.3	28.4	58	93	81	1.010	1.014	1.012	0.0
25 Oct 23	24.6	32.0	27.5	64	92	83	1.010	1.015	1.012	0.2
26 Oct 23	26.0	33.0	28.7	60	96	82	1.009	1.014	1.012	0.8
27 Oct 23	25.0	33.3	28.4	58	95	80	1.008	1.014	1.011	0.0
28 Oct 23	24.6	34.3	29.3	52	91	75	1.008	1.014	1.011	0.0
29 Oct 23	23.5	32.8	27.6	62	98	84	1.009	1.014	1.011	26.0
30 Oct 23	23.7	31.2	26.2	71	98	90	1.010	1.014	1.012	37.6
31 Oct 23	25.0	29.3	26.8	75	97	87	1.010	1.016	1.013	0.2
Total	23.5	35.3	28.1	49	98	81	1.005	1.017	1.011	198.6
Day	31			31			31			31
Hours	744			744			744			744

Remarks : P = Power Fail , F = Equipment Fail , N/A = Data not Available



Date/Month/Year : 1-31/October/2023 STATION : Wat Bang Gado



Wind Speed (m/s)					
Wind Sector	0.3-1.5	1.5-3.3	3.3-5.5	5.5-8.0	>8.0
N	3.36%	0.67%	0.00%	0.00%	0.00%
NNE	2.02%	0.27%	0.00%	0.00%	0.00%
NE	1.88%	0.13%	0.00%	0.00%	0.00%
ENE	1.08%	0.27%	0.00%	0.00%	0.00%
E	1.08%	0.54%	0.00%	0.00%	0.00%
ESE	0.81%	0.13%	0.00%	0.00%	0.00%
SE	1.88%	0.27%	0.00%	0.00%	0.00%
SSE	1.48%	0.13%	0.00%	0.00%	0.00%
S	1.08%	0.00%	0.00%	0.00%	0.00%
SSW	1.48%	0.54%	0.00%	0.00%	0.00%
SW	2.96%	1.61%	0.00%	0.00%	0.00%
WSW	3.36%	0.67%	0.00%	0.00%	0.00%
W	10.08%	2.28%	0.00%	0.00%	0.00%
WNW	7.53%	0.40%	0.00%	0.00%	0.00%
NW	7.80%	0.40%	0.00%	0.00%	0.00%
NNW	7.53%	1.48%	0.00%	0.00%	0.00%
	55.38%	9.81%	0.00%	0.00%	0.00%
No. of Monitored Hours	744	Hours	No. of Calm	259	Hours
No. of Monitored Days	31	Days	Calm (%)	34.81%	
Missing Data	0	Hours	Average Wind Speed	0.66	m/s
No. of Valid Data	744	Hours	Maximum Wind Speed	3.00	m/s
Wind Rose by : Air Quality and Noise Section				Prevailing Wind Direction	W

สถานีบ้านคลองแค
(สถานที่ตรวจวัด : วัดโพธิ์ราษฎร์บูรณะ)

Equipment Status of Wat Bang Gado Monitoring Station "October 2023"							
No.	Site	Analyzer	Brand	Model	S/N	Status	Description
2	Banruayab	SO ₂	Thermo Scientific	43-B25AB	131575798	Normal	20210097
		NO ₂	Thermo Scientific	42-B24C5AB	131575795	Normal	20210099
		O ₃	Thermo Scientific	49-B24AB	131578000	Normal	20210101
		DUST (TSP)	Thermo Scientific	5014 (n26-004-2)	CM13211004	Normal	20210095
		DUST (PM - 10)	Thermo Scientific	5014 (n26-004-1)	CM13211003	Normal	20210093
		ZERO AIR	Thermo Scientific	1160 B-RQC	131578003	Normal	20210102.2
		CALIBRATOR	Thermo Scientific	1460-B838EAB	131578002	Normal	20210102.4
		DATA LOGGER(Enviro)	ADVANTECH	IPC-510	KMA1478929	Normal	40110254.0.1.34
		Ethernet Switch	TP-LINK	TL-SF1016	1288670508	Normal	-
		UPS	Power Matic	TR-3000	13 K81 00077	Normal	-
		Display LCD 20"	HP	P201	6CM3020G2	Normal	60110254.2
		Keyboard Wireless	Logitech	K290	13145C105MAB	Normal	-
		Mouse Wireless	Logitech	M150	13135CM0XGWB	Normal	-
		Standard Gas	Algas	-	L1156436	Normal	-
		WIND SPEED	LASTEM	DNA 827	82-150563	Normal	-
		WIND DIRECTION	LASTEM	DNA 827	82-150563	Normal	-
		AIR TEMPERATURE	LASTEM	DNA 875	CH-1506498	Normal	-
		RELATIVE HUMIDITY	LASTEM	Sensor: DNA672.1	Sensor: 18080122	Normal	-
		BAROMETRIC PRESSURE	LASTEM	DQA 208	R408015	Normal	-
		RAIN GAUGE	LASTEM	DQA 230.1	21120166	Normal	-

MONTHLY REPORT

AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.

MONTH : October

MONITORING STATION : Ban Klong Klae

YEAR : 2023

Date	Concentration					
	TSP (µg/m ³)	PM-10 (µg/m ³)	SO ₂ (ppb)	NO ₂ (ppb)	O ₃ (ppb)	
	24 Hr. Avg.	24 Hr. Avg.	24 Hr. Avg.	1 Hr. Avg.	1 Hr. Avg.	1 Hr. Avg.
1 Oct 23	20	19	3	2 - 3	2 - 7	2 - 36
2 Oct 23	20	13	2	2 - 3	2 - 5	2 - 22
3 Oct 23	14	13	2	2 - 3	1 - 6	3 - 20
4 Oct 23	22	12	2	2 - 3	2 - 8	2 - 26
5 Oct 23	15	14	2	2 - 3	2 - 8	2 - 45
6 Oct 23	32	9	2	2 - 3	1 - 6	5 - 26
7 Oct 23	14	13	2	2 - 3	1 - 5	2 - 27
8 Oct 23	21	11	2	2 - 3	1 - 7	3 - 19
9 Oct 23	25	24	3	2 - 3	2 - 9	2 - 32
10 Oct 23	36	29	3	2 - 3	2 - 9	8 - 42
11 Oct 23	21	20	3	2 - 4	3 - 17	7 - 45
12 Oct 23	25	19	3	2 - 3	2 - 19	7 - 57
13 Oct 23	28	24	3	2 - 3	3 - 17	13 - 54
14 Oct 23	33	25	3	2 - 3	2 - 24	4 - 50
15 Oct 23	22	20	3	2 - 3	2 - 15	5 - 55
16 Oct 23	29	22	3	2 - 4	2 - 17	16 - 46
17 Oct 23	33	31	3	3 - 4	4 - 21	9 - 72
18 Oct 23	47	41	3	2 - 4	2 - 10	7 - 63
19 Oct 23	35	33	3	2 - 4	2 - 9	6 - 45
20 Oct 23	36	30	3	2 - 4	3 - 14	4 - 59
21 Oct 23	22	21	3	2 - 3	2 - 9	11 - 35
22 Oct 23	22	19	3	3 - 3	2 - 12	7 - 46
23 Oct 23	35	27	3	2 - 3	3 - 17	5 - 57
24 Oct 23	31	29	3	2 - 4	3 - 22	9 - 60
25 Oct 23	31	21	3	3 - 4	2 - 14	8 - 55
26 Oct 23	37	25	3	3 - 4	2 - 9	3 - 52
27 Oct 23	25	23	3	3 - 4	2 - 10	7 - 47
28 Oct 23	23	18	5	4 - 6	2 - 9	6 - 47
29 Oct 23	25	22	4	4 - 5	2 - 8	4 - 59
30 Oct 23	22	18	4	3 - 4	3 - 11	5 - 32
31 Oct 23	22	18	4	3 - 5	3 - 10	7 - 38
Range	14 - 47	9 - 41	2 - 5	2 - 6	1 - 24	2 - 72
Number of times (exceeded standard)	0	0	0	0	0	0
Total	31	31	31	31	31	31
Monitoring Hour	694	735	708	708	708	707
Ambient Air Quality Standard	330	120	120	300	170	100

Remark > 1) Standards - Ambient Air Quality Standards of the National Environment Board
2) TSP - Total Suspended Particulate
3) PM-10 - Particulate Matter less than 10 µm
4) SO₂ - Sulfur Dioxide
5) NO₂ - Nitrogen Dioxide
6) N/A - Data Not Available
7) * - Exceeding air quality standard
8) - Not Measurement

MONTHLY REPORT

METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.

Month : October

MONITORING STATION : Ban Klong Klae

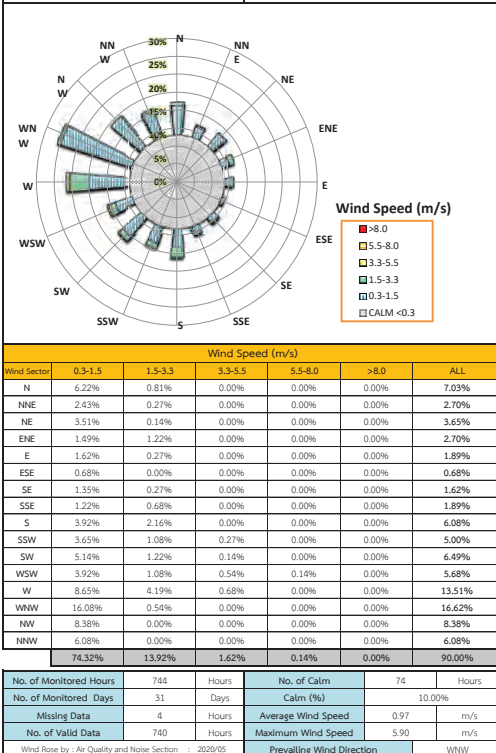
YEAR : 2023

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Oct 23	26.1	34.8	29.6	51	99	80	1,005	1,011	1,009	0.4
2 Oct 23	25.4	34.0	29.4	53	99	79	1,006	1,011	1,009	0.0
3 Oct 23	25.2	36.2	29.1	46	99	81	1,006	1,011	1,009	7.0
4 Oct 23	25.2	33.5	28.3	56	100	87	1,006	1,011	1,009	1.0
5 Oct 23	25.4	34.2	28.9	55	99	84	1,003	1,009	1,007	0.8
6 Oct 23	25.6	32.3	28.8	60	100	83	1,005	1,009	1,007	1.6
7 Oct 23	25.1	34.0	28.6	55	100	86	1,006	1,011	1,009	19.6
8 Oct 23	25.3	31.5	28.1	62	100	83	1,008	1,012	1,010	0.2
9 Oct 23	24.0	34.5	28.6	50	100	82	1,007	1,012	1,010	40.0
10 Oct 23	24.0	32.7	27.5	60	100	89	1,007	1,012	1,010	0.0
11 Oct 23	24.9	31.5	26.7	71	100	97	1,008	1,013	1,011	19.0
12 Oct 23	24.6	33.0	27.0	60	100	92	1,009	1,014	1,012	10.8
13 Oct 23	24.9	33.9	28.5	60	100	90	1,008	1,013	1,011	0.2
14 Oct 23	26.1	34.6	29.8	50	99	81	1,006	1,011	1,009	0.0
15 Oct 23	25.2	33.9	29.3	56	99	84	1,005	1,010	1,008	0.8
16 Oct 23	23.5	31.4	27.2	70	100	93	1,007	1,011	1,009	33.0
17 Oct 23	25.9	32.6	28.6	58	99	88	1,008	1,012	1,010	0.0
18 Oct 23	25.1	33.4	28.9	57	100	86	1,008	1,012	1,010	0.8
19 Oct 23	26.0	34.8	28.9	48	100	82	1,008	1,012	1,010	0.0
20 Oct 23	25.9	34.9	28.9	49	99	82	1,007	1,012	1,010	0.0
21 Oct 23	23.4	29.2	26.2	79	100	96	1,009	1,015	1,012	13.6
22 Oct 23	23.8	31.1	27.0	74	100	94	1,010	1,015	1,013	0.8
23 Oct 23	24.9	33.4	27.9	55	100	88	1,009	1,015	1,012	0.0
24 Oct 23	25.4	33.8	28.2	57	99	90	1,008	1,013	1,011	2.2
25 Oct 23	25.1	32.9	27.6	59	100	91	1,009	1,013	1,011	1.6
26 Oct 23	25.7	33.2	28.7	56	100	87	1,007	1,013	1,010	0.4
27 Oct 23	24.9	33.3	28.7	58	100	87	1,007	1,013	1,010	0.0
28 Oct 23	24.7	35.3	29.4	48	99	81	1,007	1,012	1,010	0.0
29 Oct 23	24.1	32.9	27.6	60	100	90	1,007	1,013	1,010	6.6
30 Oct 23	23.3	29.9	25.7	91	100	99	1,009	1,013	1,011	31.8
31 Oct 23	24.5	29.7	26.4	78	100	97	1,009	1,015	1,012	3.6
Total	23.3	36.2	28.2	46	100	87	1,003	1,015	1,010	195.8
Day	31			31			31			31
Hours	739			739			739			739

Remarks > P = Power Fail, F = Equipment Fail, N/A = Data Not Available

Date/Month/Year : 1-31/October/2023

STATION : Ban Klong Klae



Equipment Status of Ban Klong Klae Monitoring Station "October 2023"							
No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No
3	วัดมลพิษทางอากาศ (Ban Klong Klae)	CO ₂	Thermo Scientific	43-B2SCA	1162850017	Normal	20011163
		HC ₁	Thermo Scientific	42-B2M5DCA	1162850015	Normal	20011165
		O ₃	Thermo Scientific	49-B2NCA	1162850019	Normal	20011167
		DUST (TSP)	Thermo Scientific	8014/S030	CM16461001	Normal	20011171
		DUST (PM - 10)	Thermo Scientific	8014/S030	CM16471014	Normal	20011169
		ZERO AIR	Thermo Scientific	1165-BH-P2H	1162850021	Normal	20011173
		CALIBRATOR	Thermo Scientific	1448-BB8BFC	1162850023	Normal	20011175
		DATA LOGGER	ADVANTECH	IPC-50	80A317893A	Normal	80110255.0.1.3.4
		Switch Hub 16 port	D-LINK	DS-1011AD	F300SCA002170	Normal	99050095.1
		UPS	Power Mate	YD-3000	13 KB 00087	Normal	-
		CPU	HP	4530 SFF	5G4M0300Y	Normal	-
		Display LCD 20"	HP	P201	6C4X3151954	Normal	40110255.2
		Keyboard Wireless	Logitech	K220	13145C105F18	Normal	-
		Mouse Wireless	Logitech	M150	-	Normal	-
		Standard Gas	Aligas	-	LL156448	Normal	-
		WIND SPEED	LASTEM	DNA B21	20030210	Normal	-
		WIND DIRECTION	LASTEM	-	-	Normal	-
		AIR TEMPERATURE	LASTEM	DNA B75	Ch 1506488	Normal	-
		RELATIVE HUMIDITY	LASTEM	DNA B75	Ch 1506488	Normal	-
		BAROMETRIC PRESSURE	LASTEM	DCM 208	R404017	Normal	-
		RAIN GAUGE	LASTEM	DCM 030	-	Normal	-

สถานีบ้านขาวเหนือ
(สถานที่ตรวจวัด : บ้านขาวเหนือ)



MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd. MONTH : October
MONITORING STATION : Ban Chao Nua YEAR : 2023

Date	Concentration					
	TSP (µg/m ³)	PM-10 (µg/m ³)	SO ₂ (ppb)	NO ₂ (ppb)	O ₃ (ppb)	
	24-Hr. Avg.	24-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Oct 23	24	17	1	1 - 2	3 - 14	9 - 40
2 Oct 23	14	11	1	1	2 - 10	11 - 30
3 Oct 23	15	13	1	1	1 - 11	12 - 36
4 Oct 23	16	13	1	1	1 - 13	10 - 35
5 Oct 23	13	11	1	1	3 - 8	11 - 31
6 Oct 23	14	11	1	1	2 - 12	11 - 33
7 Oct 23	18	15	1	1	2 - 7	10 - 38
8 Oct 23	13	12	1	1	2 - 11	10 - 27
9 Oct 23	29	25	1	1 - 2	1 - 10	10 - 38
10 Oct 23	34	33	1	1 - 2	2 - 15	17 - 53
11 Oct 23	24	20	1	1	4 - 10	18 - 71
12 Oct 23	18	16	1	1	4 - 18	18 - 74
13 Oct 23	30	26	1	1	3 - 19	18 - 68
14 Oct 23	29	23	1	1	3 - 16	14 - 60
15 Oct 23	24	22	1	1 - 2	2 - 10	15 - 63
16 Oct 23	23	22	1	1	1 - 4	27 - 58
17 Oct 23	47	40	2	1 - 3	7 - 17	16 - 92
18 Oct 23	50	43	1	1	4 - 18	17 - 72
19 Oct 23	39	35	1	1	3 - 9	16 - 60
20 Oct 23	36	30	1	1 - 2	3 - 14	23 - 78
21 Oct 23	26	22	1	1 - 2	3 - 9	20 - 54
22 Oct 23	20	16	1	1 - 2	4 - 8	22 - 60
23 Oct 23	38	27	1	1 - 2	4 - 10	21 - 71
24 Oct 23	37	31	1	1 - 2	4 - 13	26 - 74
25 Oct 23	23	22	1	1 - 2	3 - 15	24 - 66
26 Oct 23	32	27	1	1	3 - 8	21 - 66
27 Oct 23	26	21	1	1	2 - 9	22 - 58
28 Oct 23	26	22	1	1 - 2	2 - 12	18 - 64
29 Oct 23	27	22	1	1 - 2	3 - 8	21 - 68
30 Oct 23	21	20	1	1	2 - 12	22 - 57
31 Oct 23	21	18	1	1 - 2	3 - 10	23 - 54
Range	13 - 50	11 - 43	1	1 - 3	1 - 19	9 - 92
Number of times (exceeded standard)	0	0	0	0	0	0
Total	Day	31	31	31	31	31
Monitoring	Hour	744	720	712	712	689
Ambient Air Quality Standard		330	120	120	300	170
						100

Remark > 1) Standards - Ambient Air Quality Standards of the National Environment Board
2) TSP - Total Suspended Particulate
3) PM-10 - Particulate Matter less than 10 µm
4) SO₂ - Sulfur Dioxide
5) NO₂ - Nitrogen Dioxide
6) N/A - Data not Available
7) * - Exceeding air quality standard
8) - Not Measurement



MONTHLY REPORT
METEOROLOGY MONITORING RESULT

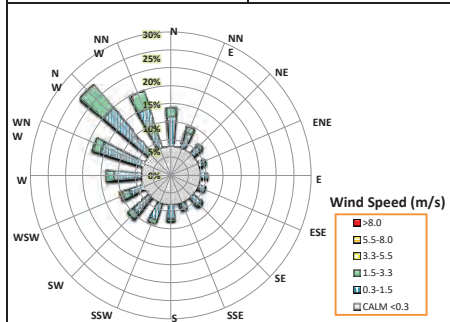
PROJECT : Ratchaburi Electricity Generating Co.,Ltd. Month : October
MONITORING STATION : Ban Chao Nua YEAR : 2023

Date	Temperature (° C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Oct 23	25.9	34.4	29.1	54	99	84	1,004	1,009	1,007	0.8
2 Oct 23	25.2	33.0	28.8	58	99	84	1,004	1,010	1,007	0.0
3 Oct 23	25.4	34.8	28.9	52	100	83	1,004	1,009	1,007	7.0
4 Oct 23	25.5	33.2	28.2	62	100	92	1,004	1,009	1,007	1.2
5 Oct 23	25.0	32.9	28.1	64	100	90	1,002	1,007	1,005	4.0
6 Oct 23	25.8	32.5	28.4	66	100	90	1,003	1,008	1,005	5.6
7 Oct 23	25.6	34.1	28.6	56	100	87	1,004	1,009	1,007	9.2
8 Oct 23	25.8	32.7	28.4	60	100	84	1,006	1,010	1,008	0.2
9 Oct 23	24.3	33.3	28.2	55	100	84	1,006	1,010	1,009	48.0
10 Oct 23	24.9	31.1	27.5	74	100	93	1,006	1,010	1,008	0.0
11 Oct 23	25.3	29.6	26.8	89	100	98	1,007	1,011	1,009	26.6
12 Oct 23	24.8	32.7	27.0	68	100	93	1,007	1,013	1,010	6.4
13 Oct 23	25.5	32.5	28.5	67	100	91	1,006	1,011	1,009	0.2
14 Oct 23	26.1	33.5	29.2	52	99	86	1,005	1,010	1,008	0.0
15 Oct 23	25.2	33.6	28.9	59	99	87	1,003	1,008	1,006	0.0
16 Oct 23	24.2	30.5	27.2	78	100	94	1,005	1,010	1,008	27.6
17 Oct 23	25.9	32.6	28.6	59	99	88	1,006	1,010	1,008	0.0
18 Oct 23	25.4	33.3	28.9	60	100	87	1,006	1,011	1,009	0.0
19 Oct 23	25.4	34.3	28.5	53	100	88	1,006	1,011	1,008	0.0
20 Oct 23	25.9	33.6	28.4	56	99	88	1,005	1,010	1,008	0.0
21 Oct 23	23.2	28.6	26.0	89	100	98	1,007	1,013	1,010	34.6
22 Oct 23	23.9	30.6	26.5	79	100	97	1,008	1,014	1,011	4.4
23 Oct 23	24.7	32.6	27.6	60	100	91	1,008	1,013	1,010	0.2
24 Oct 23	25.6	33.1	27.9	63	100	92	1,007	1,011	1,009	4.2
25 Oct 23	24.8	31.8	27.5	72	100	93	1,007	1,012	1,009	3.0
26 Oct 23	25.4	32.5	28.2	70	100	93	1,006	1,011	1,009	0.2
27 Oct 23	25.1	32.5	28.1	64	100	92	1,005	1,011	1,008	0.0
28 Oct 23	24.3	34.1	28.8	52	100	86	1,005	1,011	1,008	0.0
29 Oct 23	23.2	32.2	27.3	70	100	94	1,006	1,011	1,008	20.2
30 Oct 23	23.5	30.6	26.0	83	100	98	1,007	1,011	1,009	69.2
31 Oct 23	24.9	29.0	26.6	90	100	98	1,007	1,013	1,010	0.0
Total	23.2	34.8	28.0	52	100	90	1,002	1,014	1,008	272.8
Day	31			31						31
Hours	744			744			744			744

Remarks > P = Power Fail, F = Equipment Fail, / N/A = Data not Available



Date/Month/Year : 1-31/October/2023 STATION : Ban Chao Nua



Wind Speed (m/s)					
Wind Sector	0.3-1.5	1.5-3.3	3.3-5.5	5.5-8.0	>8.0
N	6.18%	2.02%	0.00%	0.00%	0.00%
NNE	3.49%	1.34%	0.00%	0.00%	4.84%
NE	2.02%	0.54%	0.00%	0.00%	2.55%
ENE	0.94%	0.54%	0.13%	0.00%	1.61%
E	1.21%	0.40%	0.00%	0.00%	1.61%
ESE	1.34%	0.13%	0.00%	0.00%	1.48%
SE	2.15%	0.40%	0.00%	0.00%	2.55%
SSE	1.48%	0.00%	0.00%	0.00%	1.48%
S	2.96%	0.40%	0.00%	0.00%	3.36%
SSW	3.63%	0.81%	0.00%	0.00%	4.44%
SW	4.44%	1.34%	0.00%	0.00%	5.78%
WSW	3.09%	1.61%	0.54%	0.00%	5.24%
W	5.78%	1.75%	0.00%	0.00%	7.53%
WNW	9.54%	1.75%	0.00%	0.00%	11.29%
NW	12.63%	6.45%	0.00%	0.00%	19.09%
NNW	8.87%	3.90%	0.00%	0.00%	12.77%
	69.76%	23.39%	6.67%	0.00%	93.82%
No. of Monitored Hours	744	Hours	No. of Calm	46	Hours
No. of Monitored Days	31	Days	Calm (%)	6.18%	
Missing Data	0	Hours	Average Wind Speed	1.14	m/s
No. of Valid Data	744	Hours	Maximum Wind Speed	3.80	m/s
Wind Rose by : Air Quality and Noise Section - 2020/05					Prevailing Wind Direction
					NW

Project : Ratchaburi Power Co.,Ltd.

Page 1 of 1

[illegible]

Engineer:	Mr. Pongviriya Chaowalit
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Air Quality & Noise Section, Environmental Quality Monitoring Department, Project Environment Division, EGAT

Remark :

[illegible]

Weekly Report AAQM-RB

Week No. 41

Site : Ratchaburi Power Plant

Date : 8-Oct-23 to 14-Oct-23

ผู้ปฏิบัติงาน : 1) นายกมลพัฒน์ ประพันธ์ 2)

3) _____ 4) _____

พชร. : นาย สง่า กรมรัมย์

สรุปรายละเอียดการปฏิบัติงาน

- Data logger ปกติ

- Station โดยรอบปกติ

- Standard gas 1780 psi

- Replace filter high-volume (Run 12/10/2023)

Remark :

นายกมลพัฒน์ ประพันธ์

ผู้ปฏิบัติงาน

Date : 15-Oct-2023

Calibration result

Calibration Sheet

Project : Ratchaburi Power Plant

Page 01

Site No. : 5

Station : Donsai

Date : 26 Oct 23

Start Time : 08.00

Analyzer	SO ₂	NO _x	O ₃	Standard Gas	SO ₂	NO _x	Remark
Manufacture	ECOTECH	Thermo	ECOTECH	Cylinder No.	D 636099		
Model	EC 9850B	42iQ-BBANN	EC 9810 B	Concentration	50.10	51.90	
Serial No.	05-1274	1181510016	06-0001	Multi Gas Calibrator			
Range	0 - 500 ppb	0 - 500 ppb	0 - 500 ppb	Model : Sabio(4010)	Serial No. : -		

Phase	Set Point	Desire Value			Monitor Value			Drift			% Drift			Factor
SO ₂ Before Calibrate	Zero	0.0			3.0			-3.0			-0.6			Gain : 20.81
	Span(L.o.)	80.0			-			-			-			
	Span(Mid.)	150.0			-			-			-			
	Span(H.i.)	450.0			434.0			16.0			3.6			
SO ₂ After Calibrate	Zero	0.0			3.0			-3.0			-0.6			Gain : 21.54
	Span(L.o.)	80.0			-			-			-			
	Span(Mid.)	150.0			-			-			-			
	Span(H.i.)	450.0			450.0			0.0			0.0			
NO _x Before Calibrate	Zero	NO	NO ₂	NO _x	NO	NO ₂	NO _x	NO	NO ₂	NO _x	NO	NO ₂	NO _x	NO COEF : 1.016 NO ₂ COEF : 1.000 NO _x COEF : 0.996
	Span(L.o.)	80.0	0.0	80.0	-	-	-	-	-	-	-	-	-	
	Span(Mid.)	150.0	0.0	150.0	-	-	-	-	-	-	-	-	-	
	Span(H.i.)	450.0	0.0	450.0	466.0	9.0	475.0	-16.0	-9.0	-25.0	-3.6	-2.0	-5.6	
NO _x After Calibrate	Zero	0.0	0.0	0.0	2.4	1.0	3.4	-2.4	-1.0	-3.4	-0.5	-0.2	-0.7	NO COEF : 0.982 NO ₂ COEF : 1.000 NO _x COEF : 0.983
	Span(L.o.)	80.0	0.0	80.0	-	-	-	-	-	-	-	-	-	
	Span(Mid.)	150.0	0.0	150.0	-	-	-	-	-	-	-	-	-	
	Span(H.i.)	450.0	0.0	450.0	449.0	2.0	451.0	1.0	-2.0	-1.0	0.2	-0.4	-0.2	
O ₃ Before Calibrate	Zero	0.0			3.0			-3.0			-0.6			Gain : 1.027
	Span(L.o.)	80.0			-			-			-			
	Span(Mid.)	150.0			-			-			-			
	Span(H.i.)	450.0			461.0			-11.0			-2.4			
O ₃ After Calibrate	Zero	0.0			3.0			-3.0			-0.6			Gain : 1.003
	Span(L.o.)	80.0			-			-			-			
	Span(Mid.)	150.0			-			-			-			
	Span(H.i.)	450.0			451.0			-1.0			-0.2			
Zero Drift = Desire Value - Monitor Value % Zero Drift = (Zero Drift/Full Scale) * 100 % Zero Drift +/- 3% Accept Data														
Span Drift = Desire Value - Monitor Value % Span Drift = (Span Drift/Desire Value) * 100 % Span Drift +/- 5% Accept Data														

Calibrate by : Pongviriya

Finish Time : 10.00

Air Quality & Noise Section, Environmental Quality Monitoring Department, Project Environment Division, EGAT

Comment :



รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง
บริษัท ราชบุรีเพาเวอร์ จำกัด

ประจำเดือนพฤศจิกายน 2566

เสนอต่อ

บริษัท ราชบุรีเพาเวอร์ จำกัด

โดย

ฝ่ายสิ่งแวดล้อมโครงการ

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง
บริษัท ราชบุรีเพาเวอร์ จำกัด
ประจำเดือนพฤศจิกายน 2566

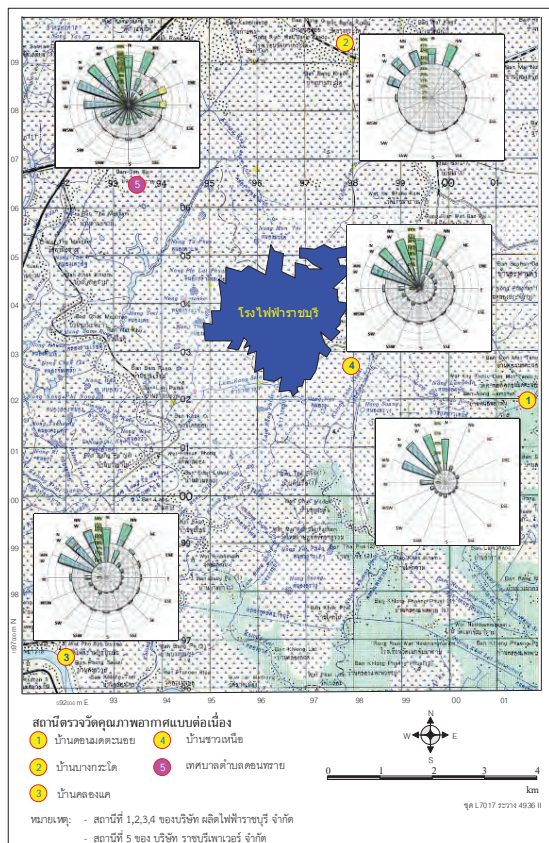
รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง
บริษัท ราชบุรีเพาเวอร์ จำกัด
เดือนพฤศจิกายน 2566

ผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง บริษัท ราชบุรีเพาเวอร์ จำกัด ประจำเดือนพฤศจิกายน 2566 จากสถานีตรวจวัดคุณภาพอากาศเทศบาลตำบลดอนทราย ผลการตรวจวัดดัชนีคุณภาพอากาศ พบว่า ฝุ่นละอองรวม ฝุ่นละอองขนาดไม่เกิน 10 ไมครอน ก๊าซซัลเฟอร์ไดออกไซด์ ก๊าซไนโตรเจนไดออกไซด์ และก๊าซโอโซน มีค่าอยู่ในเกณฑ์มาตรฐานคุณภาพอากาศในบรรยากาศโดยทั่วไปตามประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ยกเว้นค่าฝุ่นละอองขนาดไม่เกิน 2.5 ไมครอน ที่พบว่ามีค่าเกินเกณฑ์มาตรฐานคุณภาพอากาศในบรรยากาศโดยทั่วไป โดยมีเกินค่ามาตรฐานฯ เป็นครั้งคราวดังนี้
- ฝุ่นละอองขนาดไม่เกิน 2.5 ไมครอน ในวันที่ 22, 23, 28, 29, 30 พฤศจิกายน 2566 มีค่า 40, 46, 46, 43, 40 $\mu\text{g}/\text{m}^3$ ตามลำดับ

สรุปผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง (พฤศจิกายน 2566)

สถานีตรวจวัด	ค่าเฉลี่ยในเวลา 24 ชั่วโมง ($\mu\text{g}/\text{m}^3$)			ค่าเฉลี่ยในเวลา 1 ชั่วโมง (ppb)		
	TSP	PM-10	PM-2.5	SO ₂	NO ₂	O ₃
เทศบาลตำบลดอนทราย	28 - 105	16 - 76	8 - 46*	0 - 4	0 - 7	1 - 34
มาตรฐาน	330	120	37.5	120	300	170

หมายเหตุ : มาตรฐานคุณภาพอากาศในบรรยากาศโดยทั่วไป ตามประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 21 (พ.ศ. 2544) ฉบับที่ 24 (พ.ศ. 2547) ฉบับที่ 28 (พ.ศ. 2550) ฉบับที่ 33 (พ.ศ. 2552), ราชกิจจานุเบกษา เล่ม 139 ตอนที่พิเศษ 163ง (พ.ศ. 2565)



สถานีเทศบาลตำบลดอนทราย



MONTHLY REPORT AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

Month : November

MONITORING STATION : Donsai Sub-district

YEAR : 2023

Date	SO ₂ (ppb)		NO _x (ppb)		O ₃ (ppb)		O ₃ (%)
	24-Hr. Avg.	1-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	
1 Nov 23	0	0 - 2	6	3 - 15	9 - 51	N/A	
2 Nov 23	0	0 - 3	8	3 - 24	12 - 62	N/A	
3 Nov 23	0	0 - 2	9	3 - 20	5 - 53	N/A	
4 Nov 23	0	0 - 2	7	3 - 12	5 - 42	N/A	
5 Nov 23	0	0 - 2	5	2 - 13	4 - 44	N/A	
6 Nov 23	1	0 - 2	5	3 - 11	4 - 42	N/A	
7 Nov 23	1	0 - 2	5	2 - 9	10 - 42	N/A	
8 Nov 23	1	0 - 1	5	1 - 10	4 - 43	N/A	
9 Nov 23	2	1 - 3	5	1 - 11	4 - 39	N/A	
10 Nov 23	2	1 - 3	6	3 - 10	4 - 46	N/A	
11 Nov 23	3	1 - 4	6	2 - 12	4 - 35	N/A	
12 Nov 23	2	2 - 4	4	2 - 8	5 - 34	N/A	
13 Nov 23	1	0 - 2	6	2 - 11	4 - 36	N/A	
14 Nov 23	2	1 - 3	7	4 - 13	4 - 50	N/A	
15 Nov 23	2	1 - 3	8	4 - 15	8 - 66	N/A	
16 Nov 23	3	2 - 3	6	3 - 10	8 - 56	N/A	
17 Nov 23	3	2 - 5	7	3 - 13	9 - 55	N/A	
18 Nov 23	4	3 - 7	8	3 - 14	11 - 70	N/A	
19 Nov 23	3	2 - 6	9	3 - 20	17 - 70	N/A	
20 Nov 23	3	1 - 5	10	4 - 19	10 - 74	N/A	
21 Nov 23	3	2 - 5	11	4 - 34	7 - 64	N/A	
22 Nov 23	3	2 - 5	12	3 - 24	7 - 64	N/A	
23 Nov 23	3	1 - 7	11	4 - 23	1 - 57	N/A	
24 Nov 23	1	0 - 6	10	4 - 23	4 - 54	N/A	
25 Nov 23	2	2 - 3	8	3 - 14	3 - 57	N/A	
26 Nov 23	3	2 - 6	7	3 - 16	10 - 55	N/A	
27 Nov 23	2	1 - 4	9	3 - 19	3 - 51	N/A	
28 Nov 23	3	2 - 6	12	7 - 31	2 - 66	N/A	
29 Nov 23	3	2 - 5	10	5 - 20	16 - 62	N/A	
30 Nov 23	4	2 - 5	10	4 - 19	8 - 78	N/A	
Range	0 - 4	0 - 7	4 - 12	1 - 34	1 - 78	-	
Number of times (exceeded standard)	0	0	0	0	0	-	
Total Day	30	30	30	30	30	-	
Monitoring Hour	713	713	713	713	711	-	
Ambient Air Quality Standard	120	300	-	170	100	-	

Remark >

1) Standards = Ambient Air Quality Standards of the National Environment Board
2) SO₂ = Sulfur Dioxide 5) N/A = Data not Available
3) NO_x = Nitrogen Dioxide 6) * = Exceeding air quality standard
4) O₃ = Ozone 7) - = Not Measurement



MONTHLY REPORT AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

MONTH : November

MONITORING STATION : Donsai Sub-district

YEAR : 2023

Date	Concentration (24-Hr Avg)				
	TSP (µg/m ³)		PM-10 (µg/m ³)		PM-2.5 (µg/m ³)
	Micro balance	Hi volume	Micro balance	Hi volume	Micro balance
1 Nov 23	65		31		15
2 Nov 23	68		67		28
3 Nov 23	67		51		32
4 Nov 23	60		49		32
5 Nov 23	37	30	31	22	16
6 Nov 23	47		37		22
7 Nov 23	N/A		41		30
8 Nov 23	44		31		21
9 Nov 23	28		16		8
10 Nov 23	36		23		15
11 Nov 23	36	38	22	25	14
12 Nov 23	31		21		10
13 Nov 23	32		20		9
14 Nov 23	48		29		15
15 Nov 23	61		37		21
16 Nov 23	45		32		19
17 Nov 23	43	51	26	30	10
18 Nov 23	71		44		20
19 Nov 23	80		53		30
20 Nov 23	81		55		32
21 Nov 23	85		58		35
22 Nov 23	88		61		40*
23 Nov 23	103	109	76	91	46*
24 Nov 23	74		50		29
25 Nov 23	77		50		29
26 Nov 23	77		52		33
27 Nov 23	56		39		22
28 Nov 23	105		72		46*
29 Nov 23	94	87	66	62	43*
30 Nov 23	96		63		40*
Range	28 - 105	30 - 109	16 - 76	22 - 91	8 - 46*
Number of times (exceeded standard)	0	0	0	0	5
Total Day	30	5	30	5	30
Monitoring Hour	720	120	719	120	717
Ambient Air Quality Standard	330	330	120	120	37.5

Remark >

1) Standards = Ambient Air Quality Standards of the National Environment Board
2) TSP = Total Suspended Particulate
3) PM-10 = Particulate Matter less than 10 µm
4) PM-2.5 = Particulate Matter with diameter of less than 2.5 micron



MONTHLY REPORT

METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

Month : November

MONITORING STATION : Donsai Sub-district

YEAR : 2023

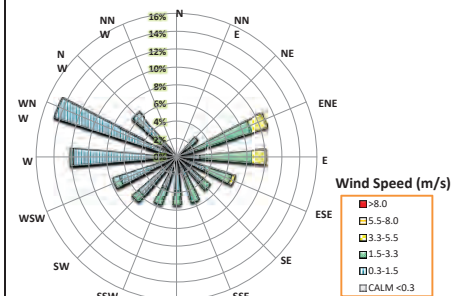
Date	Temperature (° C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Nov 23	25.4	33.8	29.2	62	97	81	1,010	1,016	1,013	0.0
2 Nov 23	26.2	34.8	29.9	59	93	78	1,009	1,016	1,011	0.0
3 Nov 23	25.8	36.5	30.6	55	95	78	1,005	1,012	1,008	0.0
4 Nov 23	26.2	36.1	29.5	59	97	86	1,005	1,012	1,008	0.6
5 Nov 23	26.2	36.3	28.8	63	98	87	1,006	1,013	1,010	0.0
6 Nov 23	25.4	37.4	30.1	55	98	81	1,006	1,013	1,010	0.0
7 Nov 23	24.8	35.4	29.2	63	100	85	1,007	1,014	1,010	42.4
8 Nov 23	26.0	37.3	30.5	52	99	82	1,005	1,013	1,009	0.0
9 Nov 23	25.3	34.0	27.5	70	100	93	1,007	1,014	1,010	21.0
10 Nov 23	25.0	33.5	27.4	72	100	93	1,009	1,015	1,012	6.0
11 Nov 23	25.0	33.1	27.8	73	100	93	1,009	1,016	1,012	1.6
12 Nov 23	24.3	33.2	27.2	71	100	92	1,009	1,016	1,012	31.2
13 Nov 23	24.6	34.0	26.8	69	100	94	1,009	1,016	1,012	38.6
14 Nov 23	25.2	33.2	28.8	70	100	86	1,010	1,016	1,013	0.0
15 Nov 23	25.9	33.5	29.0	64	95	82	1,012	1,018	1,014	0.0
16 Nov 23	24.8	33.7	28.8	65	100	85	1,013	1,018	1,015	22.2
17 Nov 23	23.9	29.7	26.4	60	100	79	1,015	1,021	1,017	1.2
18 Nov 23	22.4	29.6	25.4	46	90	67	1,014	1,020	1,017	0.0
19 Nov 23	20.8	29.2	24.2	55	86	73	1,013	1,019	1,016	0.0
20 Nov 23	19.9	31.1	25.4	53	93	73	1,012	1,017	1,014	0.0
21 Nov 23	21.5	32.4	26.4	52	89	73	1,008	1,015	1,012	0.0
22 Nov 23	21.9	34.2	27.4	50	96	75	1,006	1,014	1,010	0.0
23 Nov 23	23.0	34.3	27.9	49	93	74	1,007	1,013	1,009	12.0
24 Nov 23	23.4	33.6	28.1	55	89	75	1,008	1,015	1,011	0.0
25 Nov 23	23.3	32.8	27.9	52	94	73	1,009	1,015	1,012	0.0
26 Nov 23	24.6	32.7	28.3	61	90	76	1,010	1,016	1,013	0.6
27 Nov 23	25.4	31.7	28.2	60	92	77	1,010	1,016	1,012	0.6
28 Nov 23	23.8	30.3	26.5	56	97	78	1,010	1,015	1,011	0.0
29 Nov 23	22.5	31.1	26.1	58	88	78	1,009	1,015	1,012	0.0
30 Nov 23	24.6	35.1	28.8	53	87	74	1,010	1,015	1,012	0.0
Total	19.9	37.4	27.9	46	100	81	1,005	1,021	1,012	178.0
Day	30			30			30			30
Hours	720			720			720			720

Remarks :- P = Power Fail , F = Equipment Fail , N/A = Data not Available



Date/Month/Year : 1-30/November/2023

STATION : Donsai Sub-district



Wind Speed (m/s)					
Wind Sector	0.3-1.5	1.5-3.3	3.3-5.5	5.5-8.0	>8.0
N	0.14%	0.00%	0.00%	0.00%	0.00%
NNE	0.00%	0.00%	0.00%	0.00%	0.00%
NE	1.25%	1.67%	0.00%	0.00%	0.00%
ENE	2.08%	6.81%	1.94%	0.00%	0.00%
E	2.50%	5.97%	1.67%	0.00%	0.00%
ESE	3.33%	3.19%	0.42%	0.00%	0.00%
SE	3.75%	1.11%	0.00%	0.00%	0.00%
SSE	2.96%	3.06%	0.00%	0.00%	0.00%
S	3.75%	1.67%	0.00%	0.00%	0.00%
SSW	3.75%	1.98%	0.00%	0.00%	0.00%
SW	5.69%	0.97%	0.00%	0.00%	0.00%
WSW	6.81%	0.83%	0.00%	0.00%	0.00%
W	11.67%	0.42%	0.00%	0.00%	0.00%
WNW	14.58%	0.00%	0.00%	0.00%	0.00%
NW	6.67%	0.00%	0.00%	0.00%	0.00%
NNW	0.00%	0.00%	0.00%	0.00%	0.00%
	68.33%	27.64%	4.03%	0.00%	100.00%

No. of Monitored Hours	720	Hours	No. of Calm	0	Hours
No. of Monitored Days	30	Days	Calm (%)	0.00%	
Missing Data	0	Hours	Average Wind Speed	1.23	m/s
No. of Valid Data	720	Hours	Maximum Wind Speed	4.90	m/s
Wind Rose by - Air Quality and Noise Section - 2020/05			Prevailing Wind Direction		
			WNW		

ภาคผนวก

Equipment Status of Donsai Sub-district Monitoring Station "November 2023"						
No.	Site	Analyzer	Brand	Model	S/N	Status
5	ดอนทราย	SO ₂	Ecotech	EC9850B	05-1274	Normal
		O ₃	Ecotech	EC9810B	06-0001	Normal
		NO ₂	Thermo	42Q	-	Normal
		DUST (PM - 10/2.5)	Thermo	1405DF		Normal
		DUST (TSP)	Thermo	1405		Normal
		O ₂	Biken koki	OK-600		Fail
		Hivolume air sampler(PM-10)	Ecotech	HVS3000	05-1104	Normal
		Hivolume air sampler(TSP)	Ecotech	HVS3000	05-1103	Normal
		WIND SPEED	Met One	010C	ET612	Normal
		WIND DIRECTION	Met One	020C	F1128	Normal
		AT/RH	Met One	0830-1-35	F1320	Normal
		BAROMETRIC PRESSURE	Met One	090D	F1231	Normal
		Rain gauge	Met One	-	-	Normal
		Multi Translator	Met One	2270	F1284	Normal
		Data Logger	ADVANTECH	IPC-510		Normal
		Multi Gas Calibration	SABO	4010	10260306	Normal
		Zero Air Generator	SABO	1001	030614768	Normal
		Modem	Toshiba	FMM/56.0E	4088712	Normal
		Air Condition 1	Daikin	ARU80V2S	E005687	Normal
		Air Condition 2	Daikin	ARU80V2S	E002831	Normal

สถานีบ้านดอนมดตะนอย
(สถานที่ตรวจวัด : วัดนักบุญอันโตนิโอ)



MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd

MONTH : November

MONITORING STATION : Ban Don Mod Tano

Date	Concentration					
	TSP ($\mu\text{g}/\text{m}^3$)	PM-10 ($\mu\text{g}/\text{m}^3$)	SO ₂ (ppb)		NO ₂ (ppb)	O ₃ (ppb)
	24-Hr. Avg.	24-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Nov 23	35	24	3	3 - 4	3 - 12	14 - 76
2 Nov 23	48	40	4	3 - 5	3 - 15	17 - 87
3 Nov 23	53	45	3	3 - 4	2 - 22	10 - 77
4 Nov 23	44	38	3	3	2 - 16	6 - 69
5 Nov 23	32	25	3	3	2 - 12	7 - 68
6 Nov 23	32	20	3	3	2 - 9	4 - 59
7 Nov 23	24	17	3	3 - 4	2 - 12	15 - 63
8 Nov 23	26	25	4	3 - 7	2 - 13	5 - 68
9 Nov 23	21	13	3	3 - 5	1 - 8	5 - 62
10 Nov 23	30	21	3	3 - 3	3 - 15	3 - 71
11 Nov 23	25	19	3	3 - 5	3 - 11	9 - 55
12 Nov 23	36	19	3	3 - 4	2 - 7	6 - 51
13 Nov 23	25	17	3	3 - 4	2 - 12	10 - 55
14 Nov 23	32	26	3	3 - 4	4 - 13	5 - 67
15 Nov 23	34	33	4	3 - 5	5 - 10	10 - 90
16 Nov 23	33	28	3	3 - 4	2 - 8	10 - 84
17 Nov 23	24	23	4	3 - 4	3 - 9	14 - 70
18 Nov 23	N/A	42	5	4 - 6	4 - 17	22 - 81
19 Nov 23	N/A	54	4	3 - 6	4 - 15	17 - 82
20 Nov 23	N/A	54	4	3 - 6	4 - 18	15 - 82
21 Nov 23	57	56	4	4 - 6	5 - 13	13 - 83
22 Nov 23	55	53	4	3 - 6	4 - 24	5 - 83
23 Nov 23	64	58	4	4 - 6	5 - 25	8 - 80
24 Nov 23	51	46	4	4 - 5	4 - 21	9 - 77
25 Nov 23	55	46	4	4 - 6	4 - 14	5 - 77
26 Nov 23	50	49	4	4 - 5	4 - 12	19 - 73
27 Nov 23	38	32	4	3 - 5	3 - 22	4 - 71
28 Nov 23	64	59	3	1 - 6	6 - 26	5 - 85
29 Nov 23	71	65	1	1 - 3	6 - 17	15 - 80
30 Nov 23	67	62	2	1 - 2	5 - 15	21 - 92
Range	21 - 71	13 - 65	1 - 5	1 - 7	1 - 26	3 - 92
Number of times exceeded standard	0	0	0	0	0	0
Total	27	30	30	30	30	30
Monitoring Hour	642	718	683	683	683	681
Ambient Air Quality Standard	330	120	120	300	170	100

Remark >	1) Standards	= Ambient Air Quality Standards of the National Environment Board
	2) TSP	= Total Suspended Particulate
	3) PM-10	= Particulate Matter less than 10 µm
	4) SO ₂	= Sulfur Dioxide
	5) NO ₂	= Nitrogen Dioxide
	6) N/A	= Data not Available
	7) *	= Exceeding air quality standard
	8) -	= Not Measurement



MONTHLY REPORT
METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.

Month : November

MONITORING STATION : Ban Don Mod Tanol

YEAR : 2023

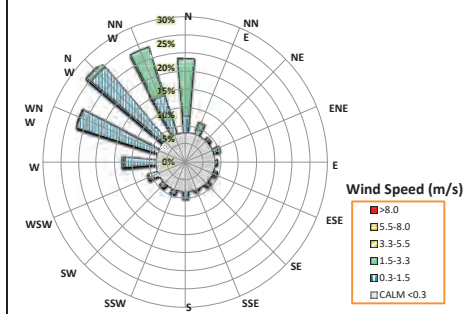
Date	Temperature (° C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Sum. (mm)
1 Nov 23	24.3	33.0	28.1	52	99	81	1.011	1.015	1.013	0.0
2 Nov 23	25.0	33.4	28.6	52	99	82	1.010	1.015	1.012	0.0
3 Nov 23	24.4	35.3	29.3	44	99	80	1.007	1.012	1.010	0.0
4 Nov 23	25.4	34.3	28.1	56	99	91	1.008	1.012	1.010	0.6
5 Nov 23	24.9	34.8	27.5	53	99	92	1.009	1.013	1.011	0.2
6 Nov 23	24.0	36.0	28.8	45	99	81	1.008	1.014	1.011	0.0
7 Nov 23	23.7	33.8	28.2	55	99	84	1.009	1.014	1.012	24.8
8 Nov 23	24.8	35.0	29.4	44	99	81	1.008	1.013	1.011	0.4
9 Nov 23	23.6	32.7	26.1	64	99	94	1.010	1.014	1.011	27.6
10 Nov 23	23.2	32.2	25.8	68	100	96	1.011	1.015	1.013	24.2
11 Nov 23	23.4	32.9	26.6	65	100	94	1.011	1.015	1.013	2.4
12 Nov 23	23.3	32.7	26.0	64	100	94	1.010	1.015	1.013	20.6
13 Nov 23	23.1	33.8	25.3	59	100	95	1.011	1.015	1.013	60.6
14 Nov 23	23.5	31.7	27.2	69	100	94	1.011	1.015	1.013	1.6
15 Nov 23	24.4	33.0	27.9	55	99	85	1.012	1.017	1.014	9.4
16 Nov 23	23.5	32.8	27.6	56	100	88	1.013	1.017	1.015	20.0
17 Nov 23	23.4	29.1	25.6	50	100	76	1.015	1.019	1.017	0.6
18 Nov 23	20.7	28.3	24.4	35	99	64	1.014	1.019	1.016	0.0
19 Nov 23	19.1	28.5	22.8	44	99	79	1.013	1.018	1.016	0.0
20 Nov 23	18.3	30.0	23.8	44	99	77	1.013	1.017	1.015	0.0
21 Nov 23	19.7	31.1	25.0	43	99	77	1.010	1.015	1.013	0.0
22 Nov 23	20.7	32.6	26.0	40	99	77	1.008	1.014	1.011	0.0
23 Nov 23	21.9	33.3	26.8	38	99	76	1.009	1.014	1.011	0.0
24 Nov 23	22.2	32.1	26.8	47	99	79	1.010	1.014	1.012	0.0
25 Nov 23	22.0	31.4	26.7	42	99	71	1.011	1.015	1.013	0.0
26 Nov 23	23.5	31.0	27.2	52	99	78	1.011	1.015	1.013	0.0
27 Nov 23	23.5	30.5	26.7	54	99	84	1.011	1.015	1.013	1.8
28 Nov 23	22.3	29.3	25.2	46	99	79	1.011	1.015	1.013	0.0
29 Nov 23	20.9	30.3	24.9	48	99	82	1.011	1.015	1.013	0.0
30 Nov 23	23.2	33.4	27.4	43	99	77	1.011	1.015	1.013	0.0
Total	18.3	36.0	26.7	35	100	83	1.007	1.019	1.013	194.8
Day	30			30			30			30
Hours	720			720			720			720

Remarks :- P = Power Fail , F = Equipment Fail , N/A = Data not Available



Date/Month/Year : 1-30/November/2023

STATION : Ban Don Mod Tanol



Wind Sector	Wind Speed (m/s)					ALL
	0.3-1.5	1.5-3.3	3.3-5.5	5.5-8.0	>8.0	
N	3.47%	12.08%	0.28%	0.00%	0.00%	15.83%
NNE	1.11%	1.53%	0.00%	0.00%	0.00%	2.64%
NE	0.28%	0.42%	0.00%	0.00%	0.00%	0.69%
ENE	0.97%	0.56%	0.00%	0.00%	0.00%	1.53%
E	0.42%	0.00%	0.00%	0.00%	0.00%	0.42%
ESE	0.42%	0.42%	0.00%	0.00%	0.00%	0.83%
SE	0.28%	0.42%	0.00%	0.00%	0.00%	0.69%
SSE	0.00%	0.28%	0.00%	0.00%	0.00%	0.28%
S	1.11%	0.28%	0.00%	0.00%	0.00%	1.39%
SSW	0.97%	0.00%	0.00%	0.00%	0.00%	0.97%
SW	0.97%	0.00%	0.00%	0.00%	0.00%	0.97%
WSW	2.08%	0.14%	0.00%	0.00%	0.00%	2.22%
W	6.67%	0.42%	0.00%	0.00%	0.00%	7.08%
WNW	17.78%	0.14%	0.00%	0.00%	0.00%	17.92%
NW	20.00%	0.97%	0.00%	0.00%	0.00%	20.97%
NNW	8.61%	10.83%	0.00%	0.00%	0.00%	19.44%
	65.14%	28.47%	0.28%	0.00%	0.00%	93.89%

Wind Rose by : Air Quality and Noise Section

Prevaling Wind Direction	NW
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Equipment Status of Ban Don Mod Tanoi Monitoring Station "November 2023"								
No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No.	Description
1	บ้านบางกะโด (วัดบางกะโด)	SO ₂	Thermo Scientific	43-BZSCA	1162850018	Normal	20511164	
		NO ₂	Thermo Scientific	42-BZMCA	1162850016	Normal	20511166	
		O ₃	Thermo Scientific	49-BZMCA	1162850020	Normal	20511168	
		DUST (TSP)	Thermo Scientific	5014/5030	CM16461002	Normal	20511172	- Alarm Detector Beta : Low ค่าวัดเกินขีดจำกัด ระหว่างวันที่ 18-20 Nov 2023
		DUST (PM - 10)	Thermo Scientific	5014/5030	CM16471015	Normal	20511170	
		ZERO AIR	Thermo Scientific	1160 B-P2N	1162850022	Normal	20511174	
		CALIBRATOR	Thermo Scientific	1461-BB6BCA	1162850024	Normal	20511176	
		DATA LOGGER	ADVANTECH	IPC-50	KMA1478934	Normal	60110253.1,3,4	
		Switch Hub 16 port	TP-LINK	TL-SF1016	12886700507	Normal	-	
		UPS	Power Matic	TR-3000	13KE00080	Normal	-	
		Display LCD 20"	hpi	P201	6CM3151950	Normal	60110253.2	
		Keyboard	Logitech	K220	13145C105F28	Normal	-	
		Mouse	Logitech	M150	-	Normal	-	
		Standard Gas	Aligas	-	LL111365	Normal	-	
		WIND SPEED	LASTEM	DNA-827	-	Normal	-	
		WIND DIRECTION	LASTEM	-	-	-	-	
		AIR TEMPERATURE	LASTEM	DMA 875	CH 1506300	Normal	-	
		RELATIVE HUMIDITY	LASTEM	DMA 875	CH 1506300	Normal	-	
		BAROMETRIC PRESSURE	LASTEM	DOA 208	R404016	Normal	-	
		RAIN GAUGE	LASTEM	DOA 030	-	Normal	-	

สถานีบ้านบางกะโด
(สถานที่ตรวจวัด : วัดบางกะโด)



MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd. MONTH : November
MONITORING STATION : Wat Bang Gado YEAR : 2023

Date	Concentration				
	TSP (µg/m ³)	PM-10 (µg/m ³)	SO ₂ (ppb)	NO ₂ (ppb)	O ₃ (ppb)
	24 Hr. Avg.	24 Hr. Avg.	24 Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Nov 23	46	27	2	0 - 7	17 - 63
2 Nov 23	59	42	2	2 - 3	0 - 12
3 Nov 23	66	44	2	2 - 3	0 - 10
4 Nov 23	64	43	2	2 - 3	0 - 9
5 Nov 23	46	27	2	2 - 3	0 - 8
6 Nov 23	44	24	2	2	0 - 5
7 Nov 23	38	21	2	2	0 - 6
8 Nov 23	45	26	3	2 - 5	1 - 9
9 Nov 23	35	18	3	2 - 4	0 - 13
10 Nov 23	44	22	3	2 - 4	2 - 12
11 Nov 23	43	24	3	2 - 5	1 - 8
12 Nov 23	40	27	3	2 - 4	1 - 11
13 Nov 23	41	25	2	2 - 4	1 - 12
14 Nov 23	44	22	2	1 - 4	2 - 14
15 Nov 23	55	36	1	0 - 2	4 - 12
16 Nov 23	49	27	1	0 - 2	1 - 9
17 Nov 23	44	28	1	0 - 2	1 - 12
18 Nov 23	65	36	1	0 - 2	3 - 19
19 Nov 23	76	36	1	1 - 3	2 - 18
20 Nov 23	75	51	1	0 - 3	2 - 18
21 Nov 23	77	61	1	0 - 2	1 - 23
22 Nov 23	79	61	1	0 - 2	1 - 21
23 Nov 23	81	60	1	0 - 3	1 - 21
24 Nov 23	73	50	1	0 - 1	1 - 25
25 Nov 23	71	49	1	1 - 3	1 - 12
26 Nov 23	66	47	1	0 - 2	1 - 8
27 Nov 23	55	36	1	0 - 2	1 - 19
28 Nov 23	88	64	1	0 - 2	3 - 32
29 Nov 23	91	67	2	1 - 3	4 - 18
30 Nov 23	80	61	1	0 - 2	4 - 13
Range	35 - 91	18 - 67	1 - 3	0 - 5	0 - 32
Number of times exceeded standard	0	0	0	0	0
Total Day	30	30	30	30	30
Monitoring Hour	716	718	684	684	686
Ambient Air Quality Standard	330	120	120	300	170

Remark > 1) Standards - Ambient Air Quality Standards of the National Environment Board
2) TSP - Total Suspended Particulate
3) PM-10 - Particulate Matter less than 10 µm
4) SO₂ - Sulfur Dioxide 7) * - Exceeding air quality standard
5) NO₂ - Nitrogen Dioxide 8) - - Not Measurement



MONTHLY REPORT
METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd. Month : November
MONITORING STATION : Wat Bang Gado YEAR : 2023

Date	Temperature (° C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Nov 23	24.8	32.6	28.3	55	94	76	1,011	1,015	1,013	0.0
2 Nov 23	25.5	32.6	28.8	56	87	73	1,010	1,015	1,012	0.0
3 Nov 23	24.7	34.6	29.5	49	92	72	1,007	1,012	1,010	0.0
4 Nov 23	25.8	33.6	28.3	58	92	82	1,008	1,012	1,010	0.4
5 Nov 23	25.3	33.9	27.8	55	93	80	1,009	1,013	1,011	0.2
6 Nov 23	24.7	34.9	29.0	50	95	75	1,008	1,014	1,011	0.4
7 Nov 23	24.4	33.8	28.3	56	98	79	1,008	1,014	1,012	18.6
8 Nov 23	25.3	35.1	29.4	47	95	75	1,007	1,013	1,011	0.0
9 Nov 23	24.8	32.2	26.7	65	97	88	1,009	1,014	1,011	16.6
10 Nov 23	24.5	31.7	26.6	68	97	89	1,010	1,015	1,013	4.2
11 Nov 23	24.6	32.0	27.0	67	98	88	1,010	1,015	1,013	2.0
12 Nov 23	23.9	32.0	26.2	66	99	88	1,010	1,015	1,013	15.8
13 Nov 23	23.6	32.5	25.9	63	98	89	1,011	1,015	1,013	23.6
14 Nov 23	24.6	31.5	28.1	65	96	81	1,011	1,015	1,013	4.2
15 Nov 23	25.2	31.6	27.9	58	90	78	1,011	1,016	1,014	0.0
16 Nov 23	24.6	32.5	28.0	60	96	79	1,012	1,016	1,014	13.4
17 Nov 23	23.6	28.2	25.5	54	97	72	1,014	1,019	1,016	0.4
18 Nov 23	21.4	27.7	24.4	40	81	60	1,013	1,018	1,016	0.0
19 Nov 23	19.4	27.8	22.8	48	84	68	1,012	1,018	1,016	0.0
20 Nov 23	18.8	29.4	24.0	47	89	68	1,012	1,016	1,014	0.0
21 Nov 23	19.9	30.6	25.1	46	86	68	1,009	1,015	1,012	0.0
22 Nov 23	21.3	32.4	26.1	44	88	70	1,008	1,014	1,011	0.0
23 Nov 23	21.8	32.5	26.8	43	89	68	1,008	1,013	1,011	0.0
24 Nov 23	22.7	31.7	26.9	49	85	70	1,010	1,014	1,012	0.0
25 Nov 23	22.2	31.3	26.7	45	91	68	1,011	1,014	1,013	0.0
26 Nov 23	23.8	31.4	27.2	54	85	70	1,010	1,015	1,013	1.2
27 Nov 23	24.2	30.2	27.1	54	86	71	1,010	1,015	1,013	0.2
28 Nov 23	22.7	28.9	25.3	48	94	72	1,010	1,014	1,012	0.0
29 Nov 23	21.4	29.5	25.0	52	84	72	1,011	1,014	1,013	0.0
30 Nov 23	23.2	33.3	27.4	46	84	69	1,010	1,014	1,012	0.0
Total	18.8	35.1	26.9	40	99	75	1,007	1,019	1,013	101.2
Day	30			30			30			30
Hours	718			718			718			717

Remarks > P = Power Fail, J = Equipment Fail, N/A = Data not Available

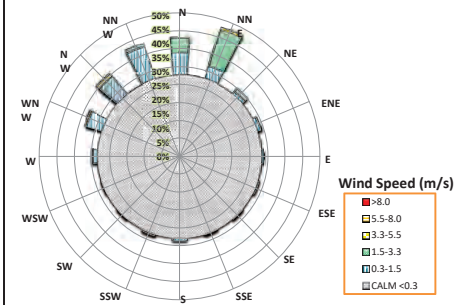


บริษัท ผลิตไฟฟ้าราชบุรี จำกัด

Ratchaburi Electricity Generating Co.,Ltd.

Date/Month/Year : 1-30/November/2023

STATION : Wat Bang Gado



Wind Speed (m/s)						
Wind Sector	0.3-1.5	1.5-3.3	3.3-5.5	5.5-8.0	>8.0	ALL
N	7.78%	5.29%	0.00%	0.00%	0.00%	13.06%
NNE	4.67%	13.53%	0.93%	0.00%	0.00%	19.13%
NE	1.09%	1.40%	0.00%	0.00%	0.00%	2.49%
ENE	1.24%	0.16%	0.00%	0.00%	0.00%	1.40%
E	0.62%	0.16%	0.00%	0.00%	0.00%	0.78%
ESE	0.62%	0.00%	0.00%	0.00%	0.00%	0.62%
SE	0.16%	0.31%	0.00%	0.00%	0.00%	0.47%
SSE	0.16%	0.16%	0.00%	0.00%	0.00%	0.31%
S	0.93%	0.00%	0.00%	0.00%	0.00%	0.93%
SSW	0.62%	0.00%	0.00%	0.00%	0.00%	0.62%
SW	0.16%	0.00%	0.00%	0.00%	0.00%	0.16%
WSW	0.16%	0.00%	0.00%	0.00%	0.00%	0.16%
W	1.56%	0.00%	0.31%	0.00%	0.00%	1.87%
WNW	5.75%	0.00%	0.00%	0.62%	0.00%	6.38%
NW	8.09%	0.31%	0.00%	1.09%	0.00%	9.49%
NNW	11.98%	1.09%	0.00%	0.00%	0.00%	13.06%
	45.57%	22.40%	1.24%	1.71%	0.00%	70.92%
No. of Monitored Hours	720	Hours	No. of Calm	187	Hours	
No. of Monitored Days	30	Days	Calm (%)	29.08%		
Missing Data	77	Hours	Average Wind Speed	1.04	m/s	
No. of Valid Data	643	Hours	Maximum Wind Speed	6.40	m/s	
Wind Rose by Air Quality and Noise Section : 2020/05			Prevailing Wind Direction		NNE	

Equipment Status of Wat Bang Gado Monitoring Station "November 2023"								
No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No	Description
2	Siemreab	SO ₂	Thermo Scientific	43i-B250AB	1315757998	Normal	20210097	
		NO ₂	Thermo Scientific	42i-B250DAB	1315757995	Normal	20210099	
		O ₃	Thermo Scientific	49i-B250AB	1315758000	Normal	20210101	
		DUST (TSP)	Thermo Scientific	5034i (n-26-004-2)	CM13211004	Normal	20210095	
		DUST (PM - 10)	Thermo Scientific	5034i (n-26-004-1)	CM13211003	Normal	20210095	
		ZERO AIR	Thermo Scientific	1160 B-H40C	1315758003	Normal	20210102.2	
		CALIBRATOR	Thermo Scientific	1460-BH38AB	1315758002	Normal	20210102.4	
		DATA LOGGER(Reynolds)	ADVANTECH	IPC-510	KMA1478929	Normal	40110254.0.1.3.4	
		Ethernet Switch	TP-LINK	TL-SF1016	1288670508	Normal	-	
		UPS	Power Matic	TR-3000	13 K81 00077	Normal	-	
		Display LCD 20"	HP	P201	6C3A0020C2	Normal	60110254.2	
		Keyboard Wireless	Logitech	K290	13145C105A08	Normal	-	
		Mouse Wireless	Logitech	M150	13135C0M0X08	Normal	-	
		Standard Gas	Aligas	-	LL156436	Normal	-	
		WIND SPEED	LASTEM	DMA 827	82 1505653	Normal	-	
		WIND DIRECTION	LASTEM	DMA 827	82 1505653	Normal	-	
		AIR TEMPERATURE	LASTEM	DMA 875	CH 1506498	Normal	-	
		RELATIVE HUMIDITY	LASTEM	Sensor: DMA672.1	Sensor: 18080122	Normal	-	
		BAROMETRIC PRESSURE	LASTEM	DQA 208	R404015	Normal	-	
		RAIN GAUGE	LASTEM	DQA 230.1	21120166	Normal	-	

สถานีบ้านคลองแค
(สถานที่ตรวจวัด : วัดโพธิ์ราษฎร์บูรณะ)



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด

Ratchaburi Electricity Generating Co.,Ltd.

MONTHLY REPORT

AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.

MONTH : November

MONITORING STATION : Ban Klong Klao

YEAR : 2023

Date	Concentration					
	TSP (µg/m ³)	PM-10 (µg/m ³)	SO ₂ (ppb)		NO ₂ (ppb)	O ₃ (ppb)
	24-Hr Avg.	24-Hr Avg.	24-Hr Avg.	1-Hr Avg.	1-Hr Avg.	1-Hr Avg.
1 Nov 23	33	27	4	4 - 5	3 - 15	12 - 59
2 Nov 23	44	37	4		3 - 20	17 - 66
3 Nov 23	65	41	4	3 - 5	3 - 16	11 - 65
4 Nov 23	42	38	4	3 - 5	2 - 11	6 - 52
5 Nov 23	30	27	4	3 - 4	2 - 16	2 - 60
6 Nov 23	25	20	4	3 - 4	2 - 15	3 - 47
7 Nov 23	21	18	4	3 - 5	2 - 11	12 - 53
8 Nov 23	30	26	4	3 - 5	2 - 9	4 - 55
9 Nov 23	20	19	3	3 - 4	2 - 12	3 - 46
10 Nov 23	27	23	3	2 - 5	3 - 15	2 - 58
11 Nov 23	28	21	3	2 - 5	3 - 12	6 - 44
12 Nov 23	25	20	3	3 - 4	3 - 11	4 - 43
13 Nov 23	23	20	3	3 - 4	3 - 25	5 - 44
14 Nov 23	34	28	4	3 - 4	5 - 30	3 - 56
15 Nov 23	41	34	4	3 - 5	5 - 23	12 - 88
16 Nov 23	36	33	3	1 - 4	3 - 21	11 - 71
17 Nov 23	32	24	2	1 - 3	4 - 16	12 - 58
18 Nov 23	53	44	3	2 - 5	5 - 18	17 - 67
19 Nov 23	74	59	3	2 - 6	5 - 16	21 - 65
20 Nov 23	62	51	3	2 - 5	4 - 21	18 - 71
21 Nov 23	62	53	3	2 - 4	4 - 29	17 - 68
22 Nov 23	62	54	4	2 - 5	4 - 35	5 - 74
23 Nov 23	64	55	2	2 - 3	5 - 25	2 - 66
24 Nov 23	65	53	2	1 - 3	4 - 23	10 - 59
25 Nov 23	57	49	4	2 - 5	5 - 23	10 - 60
26 Nov 23	61	52	4	3 - 5	4 - 18	21 - 60
27 Nov 23	50	42	4	3 - 5	4 - 27	3 - 52
28 Nov 23	74	61	4	3 - 5	6 - 32	7 - 70
29 Nov 23	74	65	2	1 - 3	5 - 14	21 - 64
30 Nov 23	68	60	2	1 - 3	4 - 21	18 - 88
Range	20 - 74	18 - 65	2 - 4	1 - 6	2 - 35	2 - 88
Number of times exceeded standard	0	0	0	0	0	0
Total Day	30	30	30	30	30	30
Monitoring Hour	717	719	685	685	687	687
Ambient Air Quality Standard	330	120	120	300	170	100

Remark > 1) Standards - Ambient Air Quality Standards of the National Environment Board
2) TSP - Total Suspended Particulate
3) PM-10 - Particulate Matter less than 10 µm
4) SO₂ - Sulfur Dioxide
5) NO₂ - Nitrogen Dioxide
6) N/A - Data not Available
7) * - Exceeding air quality standard
8) - - Not Measurement

MONTHLY REPORT
METEOROLOGY MONITORING RESULT

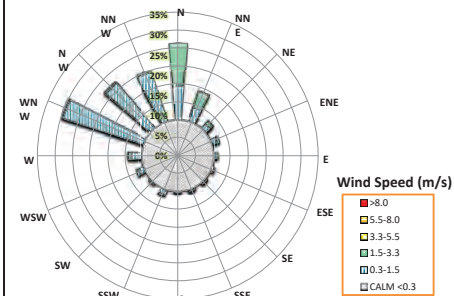
PROJECT : Ratchaburi Electricity Generating Co.,Ltd. Month : November

MONITORING STATION : Ban Klong Klae YEAR : 2023

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Nov 23	24.7	32.2	28.0	56	99	82	1,009	1,014	1,012	0.0
2 Nov 23	25.1	33.0	28.8	54	99	81	1,009	1,014	1,011	0.0
3 Nov 23	24.9	34.8	29.5	48	99	80	1,006	1,011	1,009	0.0
4 Nov 23	25.5	35.2	28.7	51	99	89	1,007	1,011	1,009	0.0
5 Nov 23	23.5	34.1	27.1	59	100	92	1,008	1,012	1,010	14.6
6 Nov 23	24.3	34.8	28.5	49	100	85	1,007	1,012	1,010	0.2
7 Nov 23	24.3	33.2	28.3	58	100	85	1,007	1,012	1,010	5.4
8 Nov 23	25.1	34.9	29.4	48	100	82	1,006	1,012	1,010	3.2
9 Nov 23	24.2	32.3	26.3	65	100	94	1,008	1,013	1,010	16.2
10 Nov 23	24.0	32.9	26.1	61	100	95	1,009	1,013	1,011	29.8
11 Nov 23	23.6	32.3	26.8	65	100	94	1,009	1,014	1,012	0.6
12 Nov 23	23.9	31.9	26.2	67	100	94	1,009	1,014	1,012	16.8
13 Nov 23	23.8	32.3	25.8	66	100	95	1,010	1,014	1,012	19.8
14 Nov 23	23.9	30.8	26.7	74	100	96	1,010	1,014	1,012	4.6
15 Nov 23	24.9	32.3	27.7	58	100	87	1,011	1,015	1,013	0.0
16 Nov 23	23.5	32.5	27.2	58	100	89	1,011	1,015	1,014	40.0
17 Nov 23	22.8	28.9	25.3	53	100	79	1,013	1,018	1,015	0.0
18 Nov 23	21.5	28.3	24.3	37	99	66	1,012	1,017	1,015	0.0
19 Nov 23	20.0	28.1	23.3	47	94	68	1,012	1,017	1,015	0.0
20 Nov 23	19.5	29.4	24.2	46	99	71	1,012	1,015	1,014	0.0
21 Nov 23	20.7	30.4	25.3	45	98	69	1,009	1,014	1,012	0.0
22 Nov 23	21.3	32.5	26.3	43	99	73	1,007	1,013	1,010	0.0
23 Nov 23	22.1	32.6	26.8	41	99	74	1,007	1,012	1,010	0.0
24 Nov 23	23.0	31.3	27.0	50	96	73	1,009	1,013	1,011	0.0
25 Nov 23	23.2	30.9	26.9	46	99	71	1,010	1,014	1,012	0.0
26 Nov 23	24.2	30.4	27.2	55	89	72	1,010	1,014	1,012	0.4
27 Nov 23	24.4	29.6	26.8	56	99	79	1,010	1,014	1,012	0.2
28 Nov 23	23.0	29.5	25.5	48	99	76	1,010	1,013	1,011	0.0
29 Nov 23	22.1	29.7	25.2	51	87	71	1,010	1,014	1,012	0.0
30 Nov 23	23.6	33.2	27.6	45	92	69	1,009	1,013	1,011	0.0
Total	19.5	35.2	26.8	37	100	81	1,006	1,018	1,012	151.8
Day	30			30			30			30
Hours	720			720			720			720

Remarks : P = Power Fail, F = Equipment Fail, N/A = Data not Available

Date/Month/Year : 1-30/November/2023 STATION : Ban Klong Klae



Wind Speed (m/s)					
Wind Sector	0.3-1.5	1.5-3.3	3.3-5.5	5.5-8.0	ALL
N	8.38%	10.61%	0.00%	0.00%	18.99%
NNE	3.63%	4.19%	0.00%	0.00%	7.82%
NE	1.40%	0.84%	0.14%	0.00%	2.37%
ENE	1.26%	0.56%	0.00%	0.00%	1.82%
E	0.70%	0.14%	0.00%	0.00%	0.84%
ESE	0.42%	0.28%	0.00%	0.00%	0.70%
SE	0.42%	0.14%	0.00%	0.00%	0.56%
SSE	0.42%	0.14%	0.00%	0.00%	0.56%
S	0.14%	0.14%	0.00%	0.00%	0.28%
SSW	1.12%	0.42%	0.00%	0.00%	1.54%
SW	0.28%	0.28%	0.00%	0.00%	0.56%
WSW	1.26%	0.70%	0.00%	0.00%	1.96%
W	2.65%	0.84%	0.00%	0.00%	3.49%
WNW	21.09%	0.28%	0.00%	0.00%	21.37%
NW	14.66%	0.28%	0.00%	0.00%	14.94%
NNW	12.85%	0.42%	0.00%	0.00%	13.27%
	70.67%	20.29%	0.14%	0.00%	91.06%

No. of Monitored Hours	720	Hours	No. of Calm	64	Hours
No. of Monitored Days	30	Days	Calm (%)	8.94%	
Missing Data	4	Hours	Average Wind Speed	0.98	m/s
No. of Valid Data	716	Hours	Maximum Wind Speed	3.50	m/s
Wind Rose by : Air Quality and Noise Section			2020/05		
			Prevailing Wind Direction		
			WNW		

สถานีบ้านขาวเหนือ
(สถานที่ตรวจวัด : บ้านขาวเหนือ)

Equipment Status of Ban Klong Klae Monitoring Station "November 2023"							
No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No
3	บ้านขาวเหนือ	CO ₂	Thermo Scientific	43i-82SCA	1162850017	Normal	20511163
		HC ₂	Thermo Scientific	42i-82VSDCA	1162850015	Normal	20511165
		O ₂	Thermo Scientific	49i-82NCA	1162850019	Normal	20511167
		DUST (TSP)	Thermo Scientific	8014i/5030	CM16461001	Normal	20511171
		DUST (PM - 10)	Thermo Scientific	8014i/5030	CM16471014	Normal	20511169
		ZERO AIR	Thermo Scientific	1160 BH2N	1162850021	Normal	20511173
		CALIBRATOR	Thermo Scientific	144i-884BPCA	1162850023	Normal	20511175
		DATA LOGGER	ADVANTECH	IPC-50	80A6147893A	Normal	89102256.0.1.3.4
		Switch Hub 16 port	SI-LINK	SI85-101140	FX00SCA002170	Normal	99060095.1
		UPS	Power Mate	TS-3000	13 X81 00087	Normal	-
		CPU	HP	d830 SFF	5G4H030N9Y	Normal	-
		Display LCD 20"	HP	P201	6C43151954	Normal	60110255.2
		Keyboard Wireless	Logitech	K220	13145C105F18	Normal	-
		Mouse Wireless	Logitech	M150	-	Normal	-
		Standard Gas	Algas	-	LL156448	Normal	-
		WIND SPEED	LASTEM	DNA B21	20030210	Normal	-
		WIND DIRECTION	LASTEM	DNA B21	20030210	Normal	-
		AIR TEMPERATURE	LASTEM	DNA B75	Ch 1106488	Normal	-
		RELATIVE HUMIDITY	LASTEM	DNA B75	Ch 1106488	Normal	-
		BAROMETRIC PRESSURE	LASTEM	DOA 208	R404017	Normal	-
		RAIN GAUGE	LASTEM	DOA 030	-	Normal	-

MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT
PROJECT : Ratchaburi Electricity Generating Co.,Ltd. MONTH : November
MONITORING STATION : Ban Chao Nua YEAR : 2023

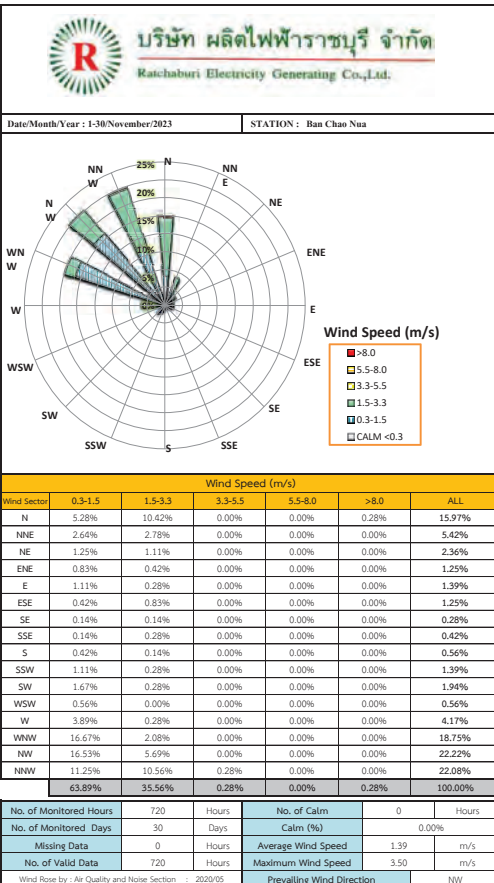
Date	Concentration					
	TSP (µg/m ³)	PM-10 (µg/m ³)	SO ₂ (ppb)	NO ₂ (ppb)	O ₃ (ppb)	
	24-Hr Avg.	24-Hr Avg.	24-Hr Avg.	1-Hr Avg.	1-Hr Avg.	1-Hr Avg.
1 Nov 23	32	28	1	1 - 2	3 - 8	26 - 78
2 Nov 23	42	38	2	1 - 3	3 - 12	31 - 87
3 Nov 23	45	38	1	1 - 2	3 - 14	22 - 79
4 Nov 23	47	38	1	1 - 2	3 - 12	22 - 71
5 Nov 23	33	27	1	1	3 - 14	21 - 70
6 Nov 23	27	23	1	1 - 2	2 - 10	20 - 65
7 Nov 23	22	19	1	1	2 - 10	28 - 68
8 Nov 23	33	28	1	1 - 2	2 - 9	21 - 59
9 Nov 23	22	16	1	1 - 2	1 - 10	10 - 57
10 Nov 23	27	23	1	1 - 2	3 - 8	11 - 63
11 Nov 23	27	24	1	1 - 2	2 - 8	13 - 53
12 Nov 23	25	20	1	1 - 2	2 - 8	11 - 49
13 Nov 23	25	22	1	1 - 2	1 - 17	14 - 51
14 Nov 23	41	30	1	1 - 2	3 - 9	11 - 65
15 Nov 23	42	34	1	1 - 2	4 - 11	19 - 100
16 Nov 23	36	28	1	1 - 2	3 - 9	26 - 87
17 Nov 23	29	26	1	1 - 2	4 - 11	29 - 75
18 Nov 23	50	42	2	1 - 3	5 - 14	35 - 84
19 Nov 23	60	52	2	1 - 3	5 - 13	37 - 83
20 Nov 23	57	49	2	1 - 3	4 - 14	31 - 86
21 Nov 23	58	51	2	1 - 3	4 - 19	31 - 86
22 Nov 23	64	52	2	1 - 3	3 - 16	30 - 88
23 Nov 23	68	53	2	1 - 4	3 - 17	20 - 84
24 Nov 23	53	46	2	1 - 3	3 - 16	25 - 77
25 Nov 23	54	45	2	1 - 4	4 - 14	21 - 79
26 Nov 23	54	44	2	1 - 2	4 - 12	38 - 76
27 Nov 23	40	33	1	1 - 2	4 - 18	19 - 74
28 Nov 23	69	58	2	1 - 3	6 - 20	21 - 87
29 Nov 23	68	58	2	1 - 3	5 - 14	33 - 82
30 Nov 23	64	56	2	1 - 3	5 - 14	32 - 98
Range	22 - 69	16 - 58	1 - 2	1 - 4	1 - 20	10 - 100
Number of times exceeded standard	0	0	0	0	0	0
Total Day	30	30	30	30	30	30
Monitoring Hour	718	719	679	679	677	678
Ambient Air Quality Standard	330	120	120	500	170	100

Remark > 1) Standards = Ambient Air Quality Standards of the National Environment Board
2) TSP = Total Suspended Particulate
3) PM-10 = Particulate Matter less than 10 µm
4) SO₂ = Sulfur Dioxide
5) NO₂ = Nitrogen Dioxide
6) N/A = Data not Available
7) * = Exceeding air quality standard
8) - = Not Measurement

MONTHLY REPORT
METEOROLOGY MONITORING RESULT
PROJECT : Ratchaburi Electricity Generating Co.,Ltd. Month : November
MONITORING STATION : Ban Chao Nua YEAR : 2023

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Nov 23	24.7	31.7	27.9	60	100	84	1,008	1,013	1,010	0.0
2 Nov 23	25.4	32.0	28.3	61	99	86	1,007	1,012	1,009	0.0
3 Nov 23	24.9	34.0	29.0	52	99	83	1,005	1,009	1,007	0.0
4 Nov 23	25.5	34.2	28.2	59	100	92	1,005	1,009	1,007	0.4
5 Nov 23	25.1	34.0	27.3	62	100	93	1,006	1,010	1,008	0.4
6 Nov 23	24.6	34.7	28.6	52	100	85	1,005	1,011	1,008	0.2
7 Nov 23	24.5	32.6	27.8	65	100	90	1,006	1,011	1,009	23.0
8 Nov 23	24.9	34.2	29.0	50	100	85	1,005	1,010	1,008	0.0
9 Nov 23	24.3	32.1	26.3	73	100	96	1,007	1,011	1,009	18.2
10 Nov 23	24.3	31.5	26.4	77	100	97	1,008	1,012	1,010	11.6
11 Nov 23	24.4	31.4	26.8	77	100	97	1,008	1,012	1,010	1.6
12 Nov 23	24.1	31.2	26.2	77	100	96	1,007	1,012	1,010	21.2
13 Nov 23	23.8	32.4	25.8	70	100	97	1,008	1,012	1,010	45.0
14 Nov 23	24.7	30.7	27.5	76	100	93	1,008	1,012	1,010	5.8
15 Nov 23	25.2	31.5	27.7	64	99	89	1,009	1,013	1,011	0.0
16 Nov 23	24.1	31.6	27.4	66	100	91	1,010	1,014	1,012	17.8
17 Nov 23	23.8	27.8	25.4	57	100	78	1,012	1,016	1,014	0.4
18 Nov 23	21.5	27.3	24.1	41	99	66	1,011	1,016	1,013	0.0
19 Nov 23	20.0	27.1	22.8	51	97	77	1,010	1,015	1,013	0.0
20 Nov 23	19.1	28.8	23.8	49	99	77	1,010	1,014	1,012	0.0
21 Nov 23	20.4	30.1	24.9	48	99	79	1,007	1,012	1,010	0.0
22 Nov 23	21.1	31.6	25.7	46	100	81	1,006	1,011	1,009	0.0
23 Nov 23	22.0	32.1	26.2	43	100	80	1,006	1,011	1,008	0.0
24 Nov 23	22.5	31.1	26.4	52	99	82	1,007	1,012	1,009	0.0
25 Nov 23	22.5	30.6	26.4	48	99	75	1,008	1,012	1,010	0.0
26 Nov 23	23.8	30.2	27.1	58	99	79	1,008	1,012	1,010	0.0
27 Nov 23	23.7	29.9	26.6	58	100	84	1,008	1,012	1,010	1.4
28 Nov 23	22.7	28.5	25.0	50	100	82	1,008	1,012	1,010	0.0
29 Nov 23	21.5	29.2	24.8	55	99	83	1,008	1,012	1,010	0.0
30 Nov 23	23.3	32.7	27.2	48	99	80	1,008	1,012	1,010	0.0
Total	19.1	34.7	26.6	41	100	85	1,005	1,016	1,010	147.0
Day	30	30	30	30	30	30	30	30	30	30
Hours	720	720	720	720	720	720	720	720	720	720

Remarks > P = Power Fail, F = Equipment Fail, N/A = Data not Available



Equipment Status of Ban Chao Nua Monitoring Station "November 2023"							
No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No
4	บ้านชะโนด	SO ₂	Thermo Scientific	43-82348	1315757997	Normal	20210096
		NO ₂	Thermo Scientific	43-82348	1315757996	Normal	20210096
		SO ₂	Thermo Scientific	49-82348	1315757999	Normal	20210100
		DUST (TSP)	Thermo Scientific	5054 (926-004-4)	CM13211006	Normal	20210099
		DUST (PM - 10)	Thermo Scientific	5054 (926-004-3)	CM13211005	Normal	20210099
		ZERO AIR	Thermo Scientific	1160 B492C	1315758010	Normal	20210101
		CALIBRATOR	Thermo Scientific	1460-88386A8	1315758001	Normal	20210102
		DATA LOGGER/Enviro	ADVANTECH	IPC 510	FM61478933	Normal	60110252.0000.1.3.4
		Data Logger License	Enviro	Enviro Ultimate	281.290	Normal	-
		Switch Hub 16 port	TP-LINK	TL-SG1016	2080601120	Normal	-
		UPS	Power-Matic	19-3000	13 X0 00062	Normal	-
		Display LCD 20"	HP	P201	6C3431519J8	Normal	60110252.2
		Keyboard Wireless	Logitech	K220	13145C105M48	Normal	-
		Mouse Wireless	Logitech	M430	13135C1M0408	Normal	-
		Standard Gas	Algas	LI12160		Normal	-
		WIND SPEED	LASTEM	DMA 827	BC 1306562	Normal	20210013.0013
		WIND DIRECTION	LASTEM	DMA 827	BC 1306562	Normal	20210013.0014
		AIR TEMPERATURE	LASTEM	DMA 875	CH 1306501	Normal	20210013.0015
		RELATIVE HUMIDITY	LASTEM	DMA 875	CH 1306501	Normal	20210013.0016
		BAROMETRIC PRESSURE	LASTEM	DQA 208	-	Normal	20210013.0016
		RAIN GAUGE	LASTEM	DQA 030	-	Normal	20210013.0018

Preventive maintenance schedule,

Plan and actual

งานบำรุงรักษาสถานีตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง โรงไฟฟ้า บริษัท ราชบุรีเพาเวอร์ ประจำปี 2023

[illegible]

Corrective maintenance work list

Corrective maintenance work list

Project : Ratchaburi Power Co.,Ltd.

Station : Donsai Sub-district

Page 1 of 1

[illegible]

Engineer:	Mr. Pongviriya Chaowalit
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Air Quality & Noise Section, Environmental Quality Monitoring Department, Project Environment Division, EGAT

Remark :

[illegible][illegible]

Weekly Report _ AAQM-RB			
Site :	<u>Ratchaburi Power Plant</u>	Week No.	46
Date :	<u>12-Nov-23</u> to <u>18-Nov-23</u>		
ผู้ปฏิบัติงาน :	1) นาย พงศ์วิริยะ เขาวลิตร์	2)	
	3)	4)	
พรขร. :	<u>นาย สંગา กรณรัมย์ย์</u>		
สรุปรายละเอียดการปฏิบัติงาน			
- Data logger ปกติ			
- Station โดยรอบปกติ			
- Standard gas 1750 psi			
- Replace filter high-volume (Run 17/11/2023)			
Remark :			
		นาย พงศ์วิริยะ เขาวลิตร์	
		ผู้ปฏิบัติงาน	
Date :		19-Nov-2023	

Calibration result

Calibration Sheet

Project : Ratchaburi Power Plant

Page 01

Site No. : 5 Station : Donsai

Date : 9 Nov 23

Start Time : 13.30

Analyzer	SO ₂	NO _x	O ₃	Standard Gas	SO ₂	NO _x	Remark
Manufacture	ECOTECH	Thermo	ECOTECH	Cylinder No.	D 636099		
Model	EC 9850B	42iQ-BBANN	EC 9810 B	Concentration	50.10	51.90	
Serial No.	05-1274	1181510016	06-0001	Multi Gas Calibrator			
Range	0 - 500 ppb	0 - 500 ppb	0 - 500 ppb	Model : Sabio(4010)	Serial No. : -		

Phase	Set Point	Desire Value			Monitor Value			Drift		% Drift		Factor	
SO ₂ Before Calibrate	Zero	0.0			2.0			-2.0		-0.4		Gain : 21.54	
	Span(Lo.)	80.0			-			-		-			
	Span(Mid.)	150.0			-			-		-			
	Span(Hi.)	450.0			434.0			16.0		3.6			
SO ₂ After Calibrate	Zero	0.0			2.0			-2.0		-0.4		Gain : 20.79	
	Span(Lo.)	80.0			-			-		-			
	Span(Mid.)	150.0			-			-		-			
	Span(Hi.)	450.0			450.0			0.0		0.0			
NO _x Before Calibrate	Zero	0.0	NO ₂	NO _x	NO ₂	NO _x	NO	NO ₂	NO _x	NO	NO ₂	NO _x	
	Span(Lo.)	80.0	0.0	80.0	-	-	-	-	-	-	-	-	NO COEF : 0.982
	Span(Mid.)	150.0	0.0	150.0	-	-	-	-	-	-	-	-	NO COEF : 1.000
	Span(Hi.)	450.0	0.0	450.0	459.0	9.0	468.0	-9.0	-9.0	-18.0	-2.0	-2.0	NO _x COEF : 0.983
NO _x After Calibrate	Zero	0.0	0.0	0.0	2.3	0.0	2.3	-2.3	0.0	-2.3	-0.5	0.0	-0.5
	Span(Lo.)	80.0	0.0	80.0	-	-	-	-	-	-	-	-	NO COEF : 0.964
	Span(Mid.)	150.0	0.0	150.0	-	-	-	-	-	-	-	-	NO ₂ COEF : 1.000
	Span(Hi.)	450.0	0.0	450.0	451.0	0.0	451.0	-1.0	0.0	-1.0	-0.2	0.0	NO _x COEF : 0.971
O ₃ Before Calibrate	Zero	0.0			3.0			-3.0		-0.6		Gain : 1.003	
	Span(Lo.)	80.0			-			-		-			
	Span(Mid.)	150.0			-			-		-			
	Span(Hi.)	450.0			440.0			10.0		2.2			
O ₃ After Calibrate	Zero	0.0			3.0			-3.0		-0.6		Gain : 1.026	
	Span(Lo.)	80.0			-			-		-			
	Span(Mid.)	150.0			-			-		-			
	Span(Hi.)	450.0			450.0			0.0		0.0			
Zero Drift = Desire Value - Monitor Value							Span Drift = Desire Value - Monitor Value						
% Zero Drift = (Zero Drift/Full Scale) * 100							% Span Drift = (Span Drift/Desire Value) * 100						
% Zero Drift +/- 3% Accept Data							% Span Drift +/- 5% Accept Data						

Calibrate by : Pongviriya

Finish Time : 10.00

Air Quality & Noise Section, Environmental Quality Monitoring Department, Project Environment Division, EGAT

Comment : _____



บริษัท ราชบุรีเเพเวอร์ จำกัด
Ratchaburi Power Co.,Ltd.

รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง
บริษัท ราชบุรีเเพเวอร์ จำกัด

ประจำเดือน ธันวาคม 2567

เสนอต่อ

บริษัท ราชบุรีเเพเวอร์ จำกัด

โดย

ฝ่ายสิ่งแวดล้อมโครงการ
การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย



บริษัท ราชบุรีเเพเวอร์ จำกัด
Ratchaburi Power Co.,Ltd.

MONTHLY REPORT

AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

Month : December

MONITORING STATION : Donsai Sub-district

YEAR : 2023

Date	SO ₂ (ppb)		NO ₂ (ppb)		O ₃ (ppb)	O ₃ (%)
	24-Hr. Avg.	1-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Dec 23	3	3 - 5	8	4 - 22	3 - 53	N/A
2 Dec 23	2	1 - 5	9	3 - 19	1 - 45	N/A
3 Dec 23	2	1 - 3	6	3 - 21	5 - 55	N/A
4 Dec 23	2	1 - 3	7	3 - 14	2 - 53	N/A
5 Dec 23	1	1 - 3	7	3 - 15	2 - 51	N/A
6 Dec 23	2	1 - 3	7	4 - 14	1 - 50	N/A
7 Dec 23	2	1 - 4	9	4 - 17	4 - 61	N/A
8 Dec 23	2	0 - 5	12	5 - 26	4 - 65	N/A
9 Dec 23	1	0 - 5	8	4 - 15	4 - 72	N/A
10 Dec 23	2	0 - 4	6	3 - 12	5 - 68	N/A
11 Dec 23	2	0 - 4	7	3 - 16	3 - 71	N/A
12 Dec 23	1	0 - 3	11	4 - 25	4 - 73	N/A
13 Dec 23	4	2 - 10	14	8 - 28	4 - 41	N/A
14 Dec 23	1	0 - 9	11	2 - 23	5 - 69	N/A
15 Dec 23	3	0 - 8	11	2 - 26	11 - 64	N/A
16 Dec 23	1	0 - 4	10	3 - 24	14 - 71	N/A
17 Dec 23	2	0 - 4	8	2 - 11	14 - 59	N/A
18 Dec 23	5	1 - 6	9	4 - 20	15 - 74	N/A
19 Dec 23	N/A	5 - 7	11	2 - 24	15 - 73	N/A
20 Dec 23	4	1 - 7	10	5 - 18	15 - 65	N/A
21 Dec 23	3	2 - 5	12	7 - 20	9 - 78	N/A
22 Dec 23	4	3 - 6	10	6 - 18	18 - 69	N/A
23 Dec 23	5	3 - 8	9	5 - 15	31 - 71	N/A
24 Dec 23	4	3 - 5	9	6 - 13	36 - 64	N/A
25 Dec 23	6	4 - 7	10	7 - 21	36 - 74	N/A
26 Dec 23	6	5 - 8	13	7 - 25	15 - 73	N/A
27 Dec 23	6	5 - 9	14	5 - 25	11 - 66	N/A
28 Dec 23	6	5 - 7	11	5 - 23	14 - 70	N/A
29 Dec 23	6	4 - 8	13	5 - 25	14 - 70	N/A
30 Dec 23	5	3 - 7	12	4 - 27	9 - 67	N/A
31 Dec 23	5	4 - 7	10	3 - 21	14 - 62	N/A
Range	1 - 6	0 - 10	6 - 14	2 - 28	1 - 78	-
Number of times exceeded standard	0	0	0	0	0	-
Total Day	30	31	31	31	31	-
Monitoring Hour	701	701	720	720	723	-
Ambient Air Quality Standard	120	500	-	170	100	-

Remark :- 1) Standards = Ambient Air Quality Standards of the National Environment Board
2) SO₂ = Sulfur Dioxide 50 N/A Data not Available
3) NO₂ = Nitrogen Dioxide 40 * Exceeding air quality standard
4) O₃ = Ozone 75 - Not Measurement



บริษัท ราชบุรีเเพเวอร์ จำกัด
Ratchaburi Power Co.,Ltd.

MONTHLY REPORT

AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

MONTH : December

MONITORING STATION : Donsai Sub-district

YEAR : 2023

Date	Concentration (24-Hr Avg)				
	TSP (µg/m ³)		PM ₁₀ (µg/m ³)		PM _{2.5} (µg/m ³)
	Micro balance	16 volume	Micro balance	16 volume	Micro balance
1 Dec 23	85		56		55.7
2 Dec 23	63		46		26.1
3 Dec 23	41		33		17.7
4 Dec 23	52		39		22.8
5 Dec 23	62		46		29.8
6 Dec 23	63		46		29.9
7 Dec 23	54		44		27.6
8 Dec 23	72		49		37.9*
9 Dec 23	75		50		35.8
10 Dec 23	86		61		44.5*
11 Dec 23	70		47		35.8
12 Dec 23	51		50		41.4*
13 Dec 23	65		45		35.8
14 Dec 23	97		74		54.6*
15 Dec 23	67		72		46.5*
16 Dec 23	101		83		56.2*
17 Dec 23	86		76		51.0*
18 Dec 23	84		70		41.3*
19 Dec 23	90		74		47.4*
20 Dec 23	91		70		43.7*
21 Dec 23	88		65		38.2*
22 Dec 23	83		56		27.3
23 Dec 23	87		59		34.8
24 Dec 23	76		56		35.1
25 Dec 23	84		61		38.3*
26 Dec 23	96		69		47.5*
27 Dec 23	94		75		51.5*
28 Dec 23	86		68		45.9*
29 Dec 23	99		66		47.5*
30 Dec 23	78		59		42.6*
31 Dec 23	72		59		42.3*
Range	41 - 101	0 - 0	33 - 83	0 - 0	17.7 - 56.2*
Number of times exceeded standard	0	0	0	0	18
Total Day	31	0	31	0	31
Monitoring Hour	718	0	721	0	728
Ambient Air Quality Standard	350	350	120	120	37.5

Remark :- 1) Standards = Ambient Air Quality Standards of the National Environment Board
2) TSP = Total Suspended Particulate
3) PM₁₀ = Particulate Matter with less than 10 µm
4) PM_{2.5} = Particulate Matter with diameter of less than 2.5 micron



บริษัท ราชบุรีเเพเวอร์ จำกัด
Ratchaburi Power Co.,Ltd.

MONTHLY REPORT

AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

MONTH : December

MONITORING STATION : Donsai Sub-district

YEAR : 2023

Date	Concentration (24-Hr Avg)				
	TSP (µg/m ³)		PM ₁₀ (µg/m ³)		PM _{2.5} (µg/m ³)
	Micro balance	16 volume	Micro balance	16 volume	Micro balance
1 Dec 23	85		56		55.7
2 Dec 23	63		46		26.1
3 Dec 23	41		33		17.7
4 Dec 23	52		39		22.8
5 Dec 23	62		46		29.8
6 Dec 23	63		46		29.9
7 Dec 23	54		44		27.6
8 Dec 23	72		49		37.9*
9 Dec 23	75		50		35.8
10 Dec 23	86		61		44.5*
11 Dec 23	70		47		35.8
12 Dec 23	51		50		41.4*
13 Dec 23	65		45		35.8
14 Dec 23	97		74		54.6*
15 Dec 23	67		72		46.5*
16 Dec 23	101		83		56.2*
17 Dec 23	86		76		51.0*
18 Dec 23	84		70		41.3*
19 Dec 23	90		74		47.4*
20 Dec 23	91		70		43.7*
21 Dec 23	88		65		38.2*
22 Dec 23	83		56		27.3
23 Dec 23	87		59		34.8
24 Dec 23	76		56		35.1
25 Dec 23	84		61		38.3*
26 Dec 23	96		69		47.5*
27 Dec 23	94		75		51.5*
28 Dec 23	86		68		45.9*
29 Dec 23	99		66		47.5*
30 Dec 23	78		59		42.6*
31 Dec 23	72		59		42.3*
Range	41 - 101	0 - 0	33 - 83	0 - 0	17.7 - 56.2*
Number of times exceeded standard	0	0	0	0	18
Total Day	31	0	31	0	31
Monitoring Hour	718	0	721	0	728
Ambient Air Quality Standard	350	350	120	120	37.5

Remark :- 1) Standards = Ambient Air Quality Standards of the National Environment Board
2) TSP = Total Suspended Particulate
3) PM₁₀ = Particulate Matter with less than 10 µm
4) PM_{2.5} = Particulate Matter with diameter of less than 2.5 micron



MONTHLY REPORT

METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

Month : December

MONITORING STATION : Donsai Sub-district

YEAR : 2023

Date	Temperature (° C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Dec 23	26.3	33.6	29.4	62	87	76	1,007	1,015	1,011	0.0
2 Dec 23	25.0	33.3	28.4	66	100	87	1,008	1,015	1,011	12.2
3 Dec 23	23.9	34.3	27.9	60	100	86	1,009	1,015	1,011	36.0
4 Dec 23	24.2	31.9	27.8	71	100	87	1,009	1,014	1,011	6.8
5 Dec 23	25.1	33.9	28.3	64	98	87	1,006	1,013	1,010	0.0
6 Dec 23	25.6	36.2	29.9	55	99	83	1,000	1,018	1,011	14.8
7 Dec 23	25.0	33.0	28.1	66	100	87	1,002	1,018	1,011	6.0
8 Dec 23	24.8	34.8	28.5	58	99	84	1,003	1,020	1,011	0.4
9 Dec 23	24.5	36.0	29.0	54	99	83	1,000	1,020	1,010	0.0
10 Dec 23	24.1	37.3	29.4	53	99	80	1,003	1,019	1,009	0.0
11 Dec 23	24.0	36.9	29.4	54	99	81	1,000	1,017	1,008	0.0
12 Dec 23	24.7	36.6	29.6	53	96	80	1,003	1,017	1,008	0.0
13 Dec 23	24.6	31.6	26.8	73	97	92	1,007	1,018	1,010	0.0
14 Dec 23	25.0	34.5	29.1	58	99	82	1,001	1,019	1,011	0.0
15 Dec 23	24.9	36.6	29.7	49	95	77	1,002	1,019	1,011	0.0
16 Dec 23	24.8	35.8	29.2	53	96	80	1,001	1,020	1,010	0.0
17 Dec 23	25.5	35.6	29.9	53	97	77	1,000	1,018	1,011	0.0
18 Dec 23	25.1	34.1	28.9	54	93	75	1,002	1,020	1,011	0.0
19 Dec 23	24.1	34.6	28.6	52	90	75	1,002	1,020	1,011	0.0
20 Dec 23	25.4	35.0	29.2	50	88	73	1,001	1,019	1,011	0.2
21 Dec 23	23.8	32.4	27.2	54	91	74	1,002	1,020	1,013	0.0
22 Dec 23	21.2	27.7	24.1	53	84	69	1,009	1,020	1,015	0.0
23 Dec 23	19.3	27.6	23.0	50	81	64	1,011	1,020	1,017	0.0
24 Dec 23	20.8	25.9	23.2	56	75	64	1,016	1,020	1,019	0.0
25 Dec 23	22.2	28.2	24.6	49	68	61	1,013	1,020	1,017	0.0
26 Dec 23	22.3	30.1	25.2	51	83	66	1,009	1,020	1,017	0.0
27 Dec 23	21.0	31.9	25.9	52	85	71	1,006	1,020	1,015	0.0
28 Dec 23	21.7	32.8	26.9	50	87	70	1,004	1,019	1,014	0.0
29 Dec 23	22.3	34.0	27.5	47	84	69	1,003	1,019	1,012	0.0
30 Dec 23	22.5	34.9	28.0	49	87	71	1,000	1,017	1,011	0.0
31 Dec 23	23.2	35.5	28.5	49	91	73	1,002	1,018	1,011	0.0
Total	19.3	37.3	27.8	47	100	77	1,000	1,020	1,012	76.4
Day	31		31			31				31
Hours	731		731			622				731

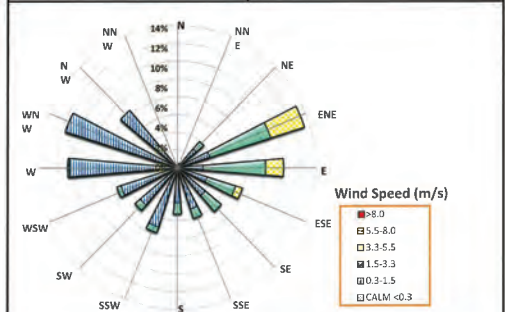
Remarks :- P = Power Fail, F = Equipment Fail, N/A = Data not Available

สถานีเทศบาลตำบลคอนทราย



Date/Month/Year : 1-31/December/2023

STATION : Donsai Sub-district



Wind Speed (m/s)					
Wind Sector	0.3-1.5	1.5-3.3	3.3-5.5	5.5-8.0	>8.0
N	0.00%	0.00%	0.00%	0.00%	0.00%
NNE	0.41%	0.00%	0.00%	0.00%	0.00%
NE	2.46%	0.96%	0.00%	0.00%	0.00%
ENE	3.42%	6.43%	3.56%	0.00%	0.00%
E	2.60%	6.29%	1.78%	0.00%	0.00%
ESE	3.15%	3.01%	0.68%	0.00%	0.00%
SE	3.69%	2.03%	0.00%	0.00%	0.00%
SSE	4.38%	0.96%	0.00%	0.00%	0.00%
S	3.56%	1.09%	0.00%	0.00%	0.00%
SSW	6.29%	0.55%	0.00%	0.00%	0.00%
SW	4.92%	0.68%	0.00%	0.00%	0.00%
WSW	6.02%	0.41%	0.00%	0.00%	0.00%
W	10.94%	0.14%	0.00%	0.00%	0.00%
WNW	11.90%	0.00%	0.00%	0.00%	0.00%
NNW	7.52%	0.00%	0.00%	0.00%	0.00%
NNW	0.14%	0.00%	0.00%	0.00%	0.00%
Total	71.41%	22.57%	8.02%	0.00%	0.00%

No. of Monitored Hours	744	Hours	No. of Calm	0	Hours
No. of Monitored Days	31	Days	Calm (%)	0.00%	
Missing Data	13	Hours	Average Wind Speed	1.14	m/s
No. of Valid Data	731	Hours	Maximum Wind Speed	4.50	m/s
Wind Rose by Air Quality and Noise Section : 2020/05			Prevailing Wind Direction		
			ENE		

สถานีบ้านคอนมดตะนอย
(สถานที่ตรวจวัด : วัดนักบุญอันโตนิโอ)

MONTHLY REPORT

AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.

MONTH : December

MONITORING STATION : Ban Don Mod Tanoi

YEAR : 2023

Date	Concentration					
	TSP (µg/m ³)	PM2.5 (µg/m ³)	PM10 (µg/m ³)	SO ₂ (ppb)	NO ₂ (ppb)	O ₃ (ppb)
	24-Hr Avg	24-Hr Avg	24-Hr Avg	1-Hr Avg	1-Hr Avg	1-Hr Avg
1 Dec 23	58	40	1	1 - 2	5 - 22	8 - 76
2 Dec 23	44	35	1	0 - 2	6 - 19	7 - 81
3 Dec 23	57	28	1	0 - 2	2 - 11	15 - 85
4 Dec 23	35	27	1	0 - 2	3 - 12	11 - 75
5 Dec 23	43	34	1	0 - 3	4 - 12	5 - 71
6 Dec 23	41	31	1	0 - 3	5 - 17	3 - 77
7 Dec 23	36	30	1	0 - 2	5 - 18	5 - 85
8 Dec 23	57	46	1	1 - 4	5 - 39	6 - 96
9 Dec 23	56	46	1	0 - 3	4 - 23	2 - 91
10 Dec 23	44	40	1	1 - 2	3 - 23	4 - 82
11 Dec 23	56	48	1	0 - 2	4 - 23	3 - 80
12 Dec 23	58	50	1	1 - 2	5 - 32	3 - 94
13 Dec 23	61	59	1	1 - 3	6 - 35	2 - 92
14 Dec 23	71	64	2	1 - 5	4 - 24	2 - 92
15 Dec 23	68	62	1	1 - 4	2 - 44	1 - 80
16 Dec 23	59	54	1	0 - 4	3 - 20	0 - 84
17 Dec 23	54	52	1	1 - 3	2 - 13	0 - 47
18 Dec 23	64	56	1	1 - 3	4 - 18	1 - 87
19 Dec 23	60	53	2	1 - 3	4 - 17	7 - 86
20 Dec 23	59	53	2	1 - 3	4 - 20	4 - 76
21 Dec 23	56	46	2	1 - 3	6 - 16	2 - 90
22 Dec 23	80	50	2	1 - 3	7 - 18	11 - 76
23 Dec 23	59	54	2	1 - 3	7 - 22	33 - 73
24 Dec 23	69	48	2	1 - 4	7 - 15	31 - 62
25 Dec 23	62	54	2	2 - 4	5 - 18	28 - 79
26 Dec 23	61	62	2	1 - 4	6 - 21	8 - 76
27 Dec 23	59	56	2	1 - 4	3 - 26	7 - 79
28 Dec 23	61	56	2	1 - 5	4 - 20	12 - 80
29 Dec 23	63	59	1	1 - 5	3 - 21	5 - 77
30 Dec 23	53	51	1	1 - 2	2 - 22	3 - 72
31 Dec 23	50	46	1	1 - 2	1 - 16	5 - 68
Range	35 - 71	27 - 64	1 - 2	0 - 5	1 - 44	0 - 94
Number of Times Exceeded Standard	0	0	0	0	0	0
Total / Day	51	51	51	51	51	51
Monitoring Hour	744	744	713	713	713	713
Ambient Air Quality Standard	330	120	120	300	170	100

Remark :-
 1) Standards = Ambient Air Quality Standards of the National Environment Board
 2) TSP = Total Suspended Particulate
 3) PM10 = Particulate Matter less than 10 µm
 4) SO₂ = Sulphur Dioxide
 5) NO₂ = Nitrogen Dioxide
 6) N/A = Data not Available
 7) * = Exceeding air quality standard
 8) - = Not Measurement

MONTHLY REPORT

METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.

Month : December

MONITORING STATION : Ban Don Mod Tanoi

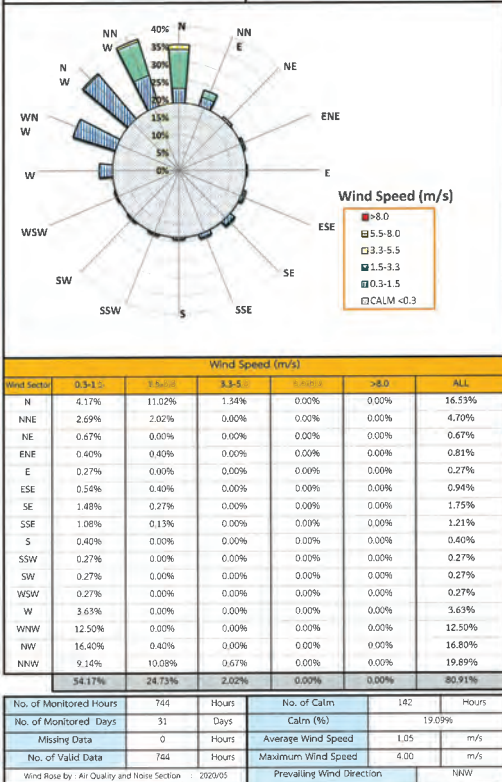
YEAR : 2023

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Dec 23	24.6	33.0	28.4	51	99	79	1,009	1,015	1,012	0.0
2 Dec 23	24.3	32.6	27.8	57	99	87	1,010	1,015	1,012	0.8
3 Dec 23	22.8	33.2	27.1	51	99	87	1,010	1,014	1,012	16.6
4 Dec 23	23.0	31.3	26.6	65	100	91	1,010	1,015	1,012	10.0
5 Dec 23	24.0	31.9	26.8	61	99	91	1,010	1,013	1,012	5.2
6 Dec 23	24.2	34.9	28.4	44	100	84	1,009	1,014	1,012	6.6
7 Dec 23	23.9	32.1	27.2	58	100	89	1,010	1,015	1,013	0.2
8 Dec 23	23.6	32.8	27.4	52	99	84	1,010	1,015	1,012	0.0
9 Dec 23	23.2	34.5	27.8	44	99	83	1,009	1,014	1,012	0.0
10 Dec 23	23.1	35.9	28.1	41	99	80	1,008	1,012	1,010	0.0
11 Dec 23	22.8	35.4	28.0	44	100	82	1,009	1,013	1,011	0.0
12 Dec 23	23.6	35.0	28.1	45	99	82	1,009	1,013	1,011	0.0
13 Dec 23	23.7	33.1	27.8	55	99	85	1,011	1,015	1,012	0.0
14 Dec 23	23.7	33.4	27.9	49	99	83	1,011	1,015	1,013	0.0
15 Dec 23	23.4	34.6	28.4	41	99	78	1,010	1,015	1,013	0.0
16 Dec 23	23.5	34.3	27.4	45	99	85	1,010	1,014	1,012	1.6
17 Dec 23	24.1	35.0	28.7	40	99	77	1,010	1,015	1,012	0.0
18 Dec 23	23.8	32.4	27.4	46	99	78	1,012	1,016	1,014	0.0
19 Dec 23	22.6	33.2	27.6	44	99	77	1,011	1,016	1,014	0.0
20 Dec 23	23.7	33.4	27.8	42	99	77	1,010	1,015	1,013	0.0
21 Dec 23	22.3	30.6	25.8	46	99	77	1,012	1,016	1,014	0.0
22 Dec 23	20.0	26.8	22.9	43	99	69	1,015	1,020	1,017	0.0
23 Dec 23	18.9	26.4	22.2	39	64	54	1,016	1,021	1,019	0.0
24 Dec 23	20.0	24.6	22.3	45	66	54	1,017	1,022	1,020	0.0
25 Dec 23	21.3	26.9	23.4	39	66	52	1,016	1,020	1,018	0.0
26 Dec 23	21.2	28.0	24.0	43	98	58	1,016	1,020	1,018	0.0
27 Dec 23	19.5	30.3	24.5	42	99	74	1,015	1,020	1,017	0.0
28 Dec 23	19.8	31.6	25.4	40	99	73	1,013	1,018	1,016	0.0
29 Dec 23	20.3	32.4	25.9	40	99	73	1,012	1,017	1,014	0.0
30 Dec 23	20.9	33.6	26.6	39	99	74	1,011	1,015	1,013	0.0
31 Dec 23	21.6	34.2	27.4	39	99	73	1,010	1,015	1,013	0.0
Total	18.9	35.9	26.6	39	100	77	1,008	1,022	1,014	41.0
Day	51			51			51			51
Hours	744			744			744			744

Remarks :- P = Power Fail, F = Equipment Fail, N/A = Data not Available

Date/Month/Year : 1-31/December/2023

STATION : Ban Don Mod Tanoi



สถานีบ้านบางกะโค
(สถานีที่ตรวจวัด : วัดบางกะโค)

MONTHLY REPORT

AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.

MONTH : December

MONITORING STATION : Wat Bang Gado

YEAR : 2023

Date	Concentration					
	TSP (µg/m ³)	PM-10 (µg/m ³)	SO ₂ (ppb)		NO _x (ppb)	O ₃ (ppb)
	24-Hr Avg	24-Hr Avg	24-Hr Avg	1-Hr Avg	1-Hr Avg	1-Hr Avg
1 Dec 23	70	52	1	0 - 2	3 - 23	9 - 62
2 Dec 23	58	38	1	0 - 2	4 - 19	11 - 63
3 Dec 23	50	28	1	0 - 2	2 - 22	17 - 68
4 Dec 23	48	32	1	0 - 2	2 - 12	12 - 66
5 Dec 23	62	42	0	0 - 1	3 - 15	9 - 61
6 Dec 23	60	43	1	0 - 2	2 - 15	10 - 68
7 Dec 23	56	31	3	0 - 1	3 - 13	9 - 69
8 Dec 23	70	45	1	0 - 3	2 - 21	8 - 76
9 Dec 23	74	52	1	0 - 2	2 - 19	8 - 79
10 Dec 23	66	46	1	0 - 1	3 - 17	9 - 72
11 Dec 23	77	50	3	0 - 1	2 - 18	9 - 71
12 Dec 23	87	56	1	0 - 2	3 - 16	8 - 86
13 Dec 23	85	62	1	0 - 2	4 - 19	9 - 74
14 Dec 23	93	68	1	0 - 3	4 - 30	3 - 69
15 Dec 23	76	51	1	1 - 3	2 - 15	3 - 60
16 Dec 23	79	59	1	1 - 2	3 - 19	2 - 62
17 Dec 23	85	59	1	1 - 4	2 - 15	2 - 50
18 Dec 23	85	44	2	1 - 2	3 - 17	4 - 61
19 Dec 23	78	56	2	1 - 3	3 - 25	7 - 62
20 Dec 23	76	49	1	1 - 3	3 - 13	11 - 56
21 Dec 23	67	45	2	1 - 3	3 - 14	3 - 66
22 Dec 23	68	45	2	1 - 3	3 - 15	17 - 58
23 Dec 23	71	54	2	1 - 4	3 - 17	26 - 58
24 Dec 23	68	45	2	1 - 3	3 - 12	26 - 30
25 Dec 23	75	42	2	1 - 4	4 - 14	25 - 61
26 Dec 23	61	58	2	1 - 4	4 - 22	10 - 62
27 Dec 23	90	69	2	1 - 3	3 - 31	5 - 58
28 Dec 23	78	60	2	1 - 4	3 - 19	12 - 59
29 Dec 23	85	56	2	1 - 3	3 - 20	9 - 60
30 Dec 23	75	52	1	1 - 2	2 - 25	3 - 57
31 Dec 23	72	43	1	1 - 2	2 - 16	10 - 53
Range	48 - 93	38 - 69	0 - 3	0 - 4	2 - 31	2 - 86
Number of times exceeded standard	0	0	0	0	0	0
Total / Day	31	31	31	31	31	31
Monitoring hour	744	744	713	713	713	713
Nonpoint Air Quality (standard)	330	120	120	300	175	100

Remark :-
 1) Standards : Ambient Air Quality Standards of the National Environment Board
 2) TSP : Total Suspended Particulate
 3) PM-10 : Particulate Matter less than 10 µm
 4) SO₂ : Sulfur Dioxide
 5) NO_x : Nitrogen Oxide
 6) O₃ : Ozone
 7) * : Exceeding to quality standard
 8) - : Not Measurement

MONTHLY REPORT

METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.

Month : December

MONITORING STATION : Wat Bang Gado

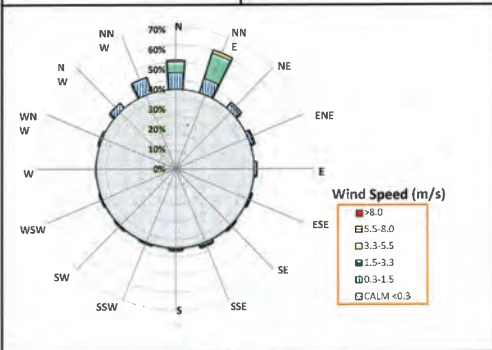
YEAR : 2023

Date	Temperature (C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Dec 23	25.4	31.9	28.5	55	81	70	1,009	1,014	1,012	0.0
2 Dec 23	24.4	32.6	27.7	57	96	80	1,009	1,015	1,012	4.4
3 Dec 23	23.2	32.7	27.1	54	97	79	1,009	1,014	1,012	30.8
4 Dec 23	23.5	30.4	26.9	65	97	82	1,010	1,014	1,012	3.2
5 Dec 23	24.6	31.6	27.5	59	93	81	1,009	1,013	1,011	0.0
6 Dec 23	24.8	34.3	28.8	49	96	77	1,009	1,014	1,011	5.0
7 Dec 23	24.5	31.5	27.3	61	95	82	1,010	1,014	1,012	0.4
8 Dec 23	23.8	33.4	27.8	50	94	77	1,009	1,014	1,012	0.0
9 Dec 23	23.9	34.0	28.1	48	94	76	1,009	1,014	1,011	0.0
10 Dec 23	23.4	34.5	28.3	47	95	74	1,007	1,012	1,010	0.0
11 Dec 23	23.9	34.0	28.4	50	96	75	1,009	1,012	1,010	0.0
12 Dec 23	23.7	34.5	28.6	48	93	74	1,008	1,012	1,010	0.0
13 Dec 23	24.1	35.1	28.0	57	92	79	1,010	1,014	1,012	7.0
14 Dec 23	23.8	33.1	28.1	51	94	77	1,010	1,015	1,013	0.0
15 Dec 23	24.1	34.6	28.6	43	90	71	1,010	1,015	1,012	0.0
16 Dec 23	23.7	34.5	28.2	46	91	75	1,009	1,014	1,012	0.0
17 Dec 23	25.1	34.1	28.9	46	93	72	1,010	1,014	1,012	0.0
18 Dec 23	24.0	32.0	27.6	50	89	71	1,011	1,016	1,013	0.0
19 Dec 23	23.0	32.6	27.7	48	87	69	1,011	1,016	1,013	0.0
20 Dec 23	24.3	33.1	28.0	45	84	69	1,010	1,015	1,013	0.0
21 Dec 23	22.4	30.0	25.7	50	90	70	1,012	1,016	1,014	0.0
22 Dec 23	20.6	26.3	23.0	47	78	63	1,015	1,020	1,017	0.0
23 Dec 23	18.5	26.1	22.0	43	66	57	1,016	1,021	1,019	0.0
24 Dec 23	20.3	24.4	22.3	49	67	57	1,017	1,021	1,019	0.0
25 Dec 23	21.5	26.7	23.3	42	64	54	1,016	1,020	1,018	0.0
26 Dec 23	21.3	28.5	24.1	45	76	59	1,015	1,020	1,018	0.0
27 Dec 23	20.0	30.2	24.8	46	79	65	1,014	1,020	1,017	0.0
28 Dec 23	20.4	31.4	25.6	44	84	66	1,013	1,018	1,015	0.0
29 Dec 23	20.4	31.8	26.0	43	81	65	1,011	1,016	1,014	0.0
30 Dec 23	21.8	33.0	27.0	44	82	65	1,010	1,015	1,013	0.0
31 Dec 23	22.2	34.5	27.5	41	86	67	1,010	1,015	1,012	0.0
Total	18.5	34.6	26.8	41	97	71	1,007	1,021	1,013	50.8
Day	31			31			31			31
Hours	744			744			744			744

Remark :- P = Power Fail, F = Equipment Fail, N/A = Data not Available

Date/Month/Year : 1-31/December/2023

STATION : Wat Bang Gado



Wind Speed (m/s)					
Wind Sector	<0.3	0.3-1.5	1.5-3.3	3.3-5.5	>8.0
N	8.33%	5.65%	0.67%	0.00%	0.00%
NNE	7.66%	13.31%	1.61%	0.00%	0.00%
NE	2.55%	1.08%	0.00%	0.00%	0.00%
ENE	1.61%	0.54%	0.00%	0.00%	0.00%
E	1.08%	0.13%	0.00%	0.00%	0.00%
ESE	0.54%	0.27%	0.00%	0.00%	0.00%
SE	0.40%	0.00%	0.00%	0.00%	0.00%
SSE	1.08%	0.27%	0.00%	0.00%	0.00%
S	0.67%	0.00%	0.00%	0.00%	0.00%
SSW	0.00%	0.00%	0.00%	0.00%	0.00%
SW	0.13%	0.00%	0.00%	0.00%	0.00%
WSW	0.27%	0.00%	0.00%	0.00%	0.00%
W	0.00%	0.00%	0.00%	0.00%	0.00%
WNW	0.81%	0.00%	0.00%	0.00%	0.00%
NNW	3.23%	0.00%	0.00%	0.00%	0.00%
ALL	8.20%	0.00%	0.00%	0.00%	0.00%
34.54%	21.24%	2.28%	0.00%	0.00%	60.05%
No. of Monitored Hours	744	Hours	No. of Calm	297	Hours
No. of Monitored Days	31	Days	Calm (%)		39.92%
Missing Data	0	Hours	Average Wind Speed	0.91	m/s
No. of Valid Data	744	Hours	Maximum Wind Speed	4.10	m/s
Wind Rose by : Air Quality and Noise Section	2020/05		Prevailing Wind Direction		NNE

สถานีบ้านคลองแกล
(สถานีที่ตรวจวัด : วัดโพธิ์ราษฎร์บูรณะ)

MONTHLY REPORT
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.
MONITORING STATION : Ban Klong Klai

MONTH : December
YEAR : 2023

Date	Concentration					
	TSP (µg/m³)	PM-10 (µg/m³)	SO ₂ (ppb)		NO ₂ (ppb)	O ₃ (ppb)
	24 Hr Avg	24 Hr Avg	24 Hr Avg	1 Hr Avg	1 Hr Avg	1 Hr Avg
1 Dec 23	64	54	2	2 - 3	4 - 23	4 - 62
2 Dec 23	47	38	2	2 - 4	5 - 28	5 - 59
3 Dec 23	59	30	2	2 - 4	4 - 16	9 - 67
4 Dec 23	36	31	2	2 - 3	3 - 19	10 - 63
5 Dec 23	43	34	2	2 - 3	4 - 19	3 - 61
6 Dec 23	39	33	2	1 - 3	4 - 19	5 - 64
7 Dec 23	36	32	2	2 - 2	4 - 13	7 - 66
8 Dec 23	52	45	3	2 - 3	4 - 31	3 - 73
9 Dec 23	51	43	2	2 - 3	3 - 23	3 - 70
10 Dec 23	51	46	2	2 - 3	3 - 14	5 - 74
11 Dec 23	56	48	2	2 - 3	4 - 16	2 - 66
12 Dec 23	62	51	3	2 - 3	4 - 24	2 - 77
13 Dec 23	67	55	3	2 - 4	5 - 36	2 - 80
14 Dec 23	72	63	2	1 - 4	5 - 31	3 - 78
15 Dec 23	61	53	1	1 - 3	2 - 24	2 - 65
16 Dec 23	69	62	2	1 - 3	3 - 35	2 - 71
17 Dec 23	64	54	2	1 - 3	3 - 19	5 - 61
18 Dec 23	64	52	2	2 - 3	4 - 25	6 - 70
19 Dec 23	58	46	2	1 - 3	3 - 24	10 - 70
20 Dec 23	63	50	2	1 - 4	3 - 17	10 - 71
21 Dec 23	70	54	2	2 - 4	5 - 20	10 - 77
22 Dec 23	66	51	2	2 - 3	4 - 19	13 - 60
23 Dec 23	72	55	2	2 - 3	5 - 15	23 - 60
24 Dec 23	65	53	2	2 - 3	5 - 11	29 - 59
25 Dec 23	68	55	3	2 - 4	5 - 19	28 - 62
26 Dec 23	76	62	3	2 - 4	6 - 25	15 - 63
27 Dec 23	73	60	2	2 - 3	4 - 36	3 - 66
28 Dec 23	65	52	3	2 - 5	4 - 24	17 - 62
29 Dec 23	63	52	3	3 - 4	4 - 21	16 - 64
30 Dec 23	61	52	3	2 - 4	4 - 29	4 - 61
31 Dec 23	57	42	2	1 - 3	4 - 19	11 - 58
Range	36 - 76	30 - 63	1 - 3	1 - 5	2 - 36	2 - 80
Number of times exceeded standard	0	0	0	0	0	0
Total Obs	31	31	31	31	31	31
Monitoring Hour	744	744	712	712	711	717
Ambient Air Quality Standard	330	120	120	300	170	100

Remark : 1) Standards = Ambient Air Quality Standards of the National Environment Board
2) TSP = Total Suspended Particulate
3) PM-10 = Particulate Matter less than 10 µm
4) SO₂ = Sulfur Dioxide
5) NO₂ = Nitrogen Dioxide
6) N/A = Data not Available
7) * = Exceeding air quality standard
8) - = Not Measurement

MONTHLY REPORT

METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.

Month : December

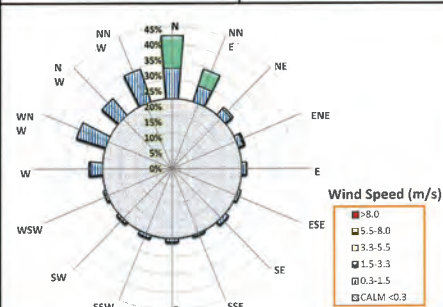
MONITORING STATION : Ban Klong Klai

YEAR : 2023

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)		Rain Gauge (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	
1 Dec 23	25.4	32.2	28.3	54	99	75	1,008	1,014	1,011 0.0
2 Dec 23	24.5	31.9	27.7	60	100	88	1,009	1,014	1,011 0.6
3 Dec 23	23.1	32.5	27.0	53	100	87	1,009	1,013	1,011 20.0
4 Dec 23	23.1	30.1	26.5	71	100	92	1,009	1,013	1,011 5.0
5 Dec 23	24.3	31.8	26.7	61	100	91	1,008	1,012	1,010 22.2
6 Dec 23	24.2	34.3	28.1	50	100	87	1,008	1,013	1,011 0.2
7 Dec 23	24.5	31.4	27.3	62	100	89	1,009	1,013	1,012 0.0
8 Dec 23	23.9	32.8	27.8	52	100	83	1,008	1,014	1,011 0.0
9 Dec 23	23.7	33.8	28.0	49	100	82	1,008	1,013	1,010 0.0
10 Dec 23	23.6	35.1	28.5	65	99	79	1,006	1,011	1,009 0.0
11 Dec 23	23.5	34.8	28.5	66	100	79	1,007	1,012	1,009 0.0
12 Dec 23	24.3	35.2	28.7	64	99	79	1,007	1,012	1,010 0.0
13 Dec 23	24.3	33.0	28.0	54	99	84	1,009	1,013	1,011 0.0
14 Dec 23	24.2	32.8	28.2	51	99	82	1,010	1,014	1,012 0.0
15 Dec 23	24.0	34.3	28.6	43	99	78	1,009	1,014	1,011 0.0
16 Dec 23	23.7	33.7	28.1	47	99	82	1,009	1,013	1,011 0.0
17 Dec 23	24.8	33.9	28.7	44	99	77	1,009	1,013	1,011 0.0
18 Dec 23	24.9	31.9	27.8	48	99	74	1,011	1,015	1,013 0.0
19 Dec 23	23.7	32.7	28.0	45	99	70	1,010	1,015	1,012 0.0
20 Dec 23	24.9	32.9	28.3	43	96	70	1,009	1,014	1,012 0.0
21 Dec 23	23.4	30.3	26.3	48	98	71	1,011	1,015	1,013 0.0
22 Dec 23	20.5	26.3	23.1	46	83	63	1,014	1,019	1,016 0.0
23 Dec 23	18.5	26.0	22.0	42	70	56	1,015	1,020	1,018 0.0
24 Dec 23	20.3	24.3	22.3	47	61	53	1,016	1,021	1,018 0.0
25 Dec 23	21.3	26.4	23.5	41	59	51	1,015	1,019	1,017 0.0
26 Dec 23	21.8	27.8	24.1	45	73	56	1,014	1,019	1,017 0.0
27 Dec 23	20.5	29.7	24.9	45	84	64	1,014	1,019	1,016 0.0
28 Dec 23	21.2	30.8	25.8	43	92	65	1,012	1,017	1,014 0.0
29 Dec 23	21.6	31.8	26.4	39	86	62	1,010	1,016	1,013 0.0
30 Dec 23	21.9	33.4	27.1	41	87	64	1,009	1,014	1,012 0.0
31 Dec 23	22.2	33.6	27.5	42	99	71	1,009	1,014	1,012 0.0
Total	18.5	35.2	26.8	39	100	74	1,008	1,021	1,012 48.0
Day	31			31			31		31
Hours	744			744			744		744

Remarks : P = Power Fail, F = Equipment Fail, N/A = Data not Available

Date/Month/Year : 1-31/December/2023 STATION : Ban Klong Klai



Wind Speed (m/s)					
Wind Sector	0.0-0.5	0.6-1.5	1.6-3.3	3.4-5.5	ALL
N	9.86%	10.54%	0.00%	0.00%	20.41%
NNE	5.41%	5.68%	0.00%	0.00%	11.09%
NE	2.57%	0.68%	0.00%	0.00%	3.24%
ENE	1.62%	0.41%	0.27%	0.00%	2.50%
E	1.49%	0.14%	0.00%	0.00%	1.62%
ESE	0.81%	0.00%	0.00%	0.00%	0.81%
SE	1.35%	0.00%	0.00%	0.00%	1.35%
SSE	0.54%	0.00%	0.00%	0.00%	0.54%
S	1.08%	0.14%	0.00%	0.00%	1.22%
SSW	1.08%	0.00%	0.00%	0.00%	1.08%
SW	0.68%	0.14%	0.00%	0.00%	0.81%
WSW	0.68%	0.00%	0.00%	0.00%	0.68%
W	3.92%	0.41%	0.00%	0.00%	4.32%
WNW	9.86%	0.00%	0.00%	0.00%	9.86%
NW	7.05%	0.00%	0.00%	0.00%	7.05%
NNW	11.08%	0.00%	0.00%	0.00%	11.08%
Total	59.65%	18.11%	0.27%	0.00%	77.43%

No. of Monitored Hours	744	Hours	No. of Calm	167	Hours
No. of Monitored Days	31	Days	Calm (%)		22.57%
Missing Data	4	Hours	Average Wind Speed	0.86	m/s
No. of Valid Data	740	Hours	Maximum Wind Speed	3.80	m/s
Wind Rose by : Air Quality and Noise Section 2020/05			Prevailing Wind Direction		

สถานีบ้านขาวเหนือ
(สถานีที่ตรวจวัด : วัดขาวเหนือ)

MONTHLY REPORT

AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.
MONITORING STATION : Ban Chao Nua

MONTH : December
YEAR : 2023

Date	Concentration					
	TSP (µg/m ³)		PM ₁₀ (µg/m ³)		SO ₂ (ppb)	
	24-Hr Avg	24-Hr Avg	24-Hr Avg	1-Hr Avg	1-Hr Avg	1-Hr Avg
1 Dec 23	55	45	2	1 - 2	4 - 19	21 - 77
2 Dec 23	44	36	1	1 - 3	5 - 15	22 - 79
3 Dec 23	35	28	1	1 - 3	2 - 10	30 - 81
4 Dec 23	35	29	1	1 - 2	3 - 11	26 - 77
5 Dec 23	43	35	1	1 - 2	4 - 16	20 - 71
6 Dec 23	40	33	1	1 - 3	3 - 12	19 - 71
7 Dec 23	39	31	1	1 - 2	4 - 13	20 - 89
8 Dec 23	50	40	2	1 - 4	4 - 15	20 - 91
9 Dec 23	52	44	1	1 - 3	3 - 19	18 - 88
10 Dec 23	47	40	1	1 - 2	3 - 16	24 - 84
11 Dec 23	54	44	1	1 - 2	3 - 15	19 - 84
12 Dec 23	64	49	1	1 - 2	4 - 20	18 - 95
13 Dec 23	61	51	1	1 - 2	4 - 15	17 - 92
14 Dec 23	77	62	2	1 - 4	5 - 15	19 - 96
15 Dec 23	45	52	1	1 - 4	3 - 20	21 - 82
16 Dec 23	51	31	1	1 - 3	4 - 14	18 - 85
17 Dec 23	65	51	1	1 - 3	3 - 15	18 - 73
18 Dec 23	56	45	2	1 - 3	4 - 14	19 - 88
19 Dec 23	60	49	2	1 - 3	3 - 13	31 - 90
20 Dec 23	61	51	2	1 - 3	3 - 12	24 - 85
21 Dec 23	58	49	2	1 - 3	5 - 14	20 - 97
22 Dec 23	54	43	2	1 - 3	5 - 14	33 - 85
23 Dec 23	55	45	2	1 - 4	6 - 14	49 - 85
24 Dec 23	52	45	2	2 - 5	6 - 13	49 - 75
25 Dec 23	62	50	2	1 - 4	7 - 16	46 - 88
26 Dec 23	70	57	2	1 - 4	6 - 16	32 - 89
27 Dec 23	71	59	2	1 - 3	5 - 19	31 - 85
28 Dec 23	67	54	2	1 - 3	5 - 20	34 - 86
29 Dec 23	64	54	2	1 - 4	4 - 22	30 - 84
30 Dec 23	55	46	1	1 - 3	3 - 16	25 - 77
31 Dec 23	49	47	1	1 - 2	3 - 11	26 - 70
Range	35 - 77	28 - 62	1 - 2	1 - 4	2 - 22	17 - 97
Number of times exceeded standard	0	0	0	0	0	0
Total Day	31	31	31	31	31	31
Monitoring Hour	744	744	744	744	744	744
Ambient Air Quality Standard	330	120	120	300	170	100

Remark :
 1) Standards : Ambient Air Quality Standards of the National Environment Board
 2) TSP : Total Suspended Particulate
 3) PM₁₀ : Particulate Matter less than 10 µm
 4) SO₂ : Sulfur Dioxide
 5) NO₂ : Nitrogen Dioxide
 6) N/A : Data not Available
 7) * : Exceeding air quality standard
 8) - : Not Measurement

MONTHLY REPORT

METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.

Month : December

MONITORING STATION : Ban Chao Nua

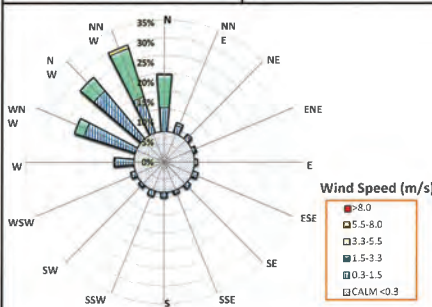
YEAR : 2023

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Dec 23	25.1	31.7	28.1	58	99	82	1,006	1,012	1,009	0.0
2 Dec 23	24.3	31.4	27.5	67	100	90	1,007	1,012	1,009	1.6
3 Dec 23	23.3	32.2	26.9	57	100	89	1,007	1,011	1,010	16.6
4 Dec 23	23.6	29.9	26.6	75	100	93	1,007	1,012	1,009	9.0
5 Dec 23	24.4	31.4	27.0	67	100	92	1,007	1,010	1,009	0.2
6 Dec 23	24.6	33.5	28.3	53	100	86	1,006	1,011	1,009	7.4
7 Dec 23	24.2	31.4	26.9	66	100	92	1,007	1,012	1,010	0.2
8 Dec 23	24.0	32.8	27.2	55	100	87	1,007	1,012	1,010	0.0
9 Dec 23	23.7	33.2	27.5	52	100	86	1,006	1,011	1,009	0.0
10 Dec 23	23.8	35.2	28.2	47	100	80	1,005	1,009	1,007	0.0
11 Dec 23	23.3	33.5	27.8	53	100	84	1,006	1,010	1,008	0.0
12 Dec 23	23.5	34.1	27.8	51	100	84	1,006	1,010	1,008	0.0
13 Dec 23	23.9	32.5	27.5	60	100	88	1,008	1,012	1,009	0.0
14 Dec 23	24.0	32.2	27.6	55	100	86	1,008	1,012	1,010	0.0
15 Dec 23	24.0	34.5	28.0	44	100	82	1,007	1,012	1,010	0.0
16 Dec 23	23.7	33.2	27.4	51	100	86	1,007	1,011	1,009	0.2
17 Dec 23	24.4	33.4	28.3	47	100	81	1,007	1,012	1,009	0.2
18 Dec 23	24.1	31.5	27.1	52	100	82	1,009	1,013	1,011	0.0
19 Dec 23	23.4	32.1	27.3	49	99	81	1,008	1,013	1,011	0.0
20 Dec 23	24.2	32.5	27.6	47	99	80	1,008	1,012	1,010	0.0
21 Dec 23	22.7	29.7	25.5	52	100	79	1,010	1,013	1,011	0.0
22 Dec 23	20.7	25.6	22.8	48	99	70	1,012	1,017	1,014	0.0
23 Dec 23	18.5	25.9	21.9	44	77	59	1,013	1,019	1,016	0.0
24 Dec 23	20.1	24.0	22.1	49	69	57	1,014	1,019	1,017	0.0
25 Dec 23	21.5	26.0	23.2	43	67	55	1,013	1,017	1,015	0.0
26 Dec 23	21.2	27.6	23.7	47	99	63	1,013	1,017	1,015	0.0
27 Dec 23	20.2	29.6	24.3	47	99	75	1,012	1,017	1,014	0.0
28 Dec 23	20.5	30.7	25.2	45	99	77	1,010	1,015	1,013	0.0
29 Dec 23	21.1	31.6	25.8	44	99	74	1,009	1,014	1,011	0.0
30 Dec 23	21.2	32.5	26.2	44	99	77	1,008	1,012	1,010	0.0
31 Dec 23	21.9	33.3	27.0	43	99	77	1,007	1,013	1,010	0.0
Total	18.5	35.2	26.4	43	100	80	1,005	1,019	1,011	35.4
Day	31			31			31			31
Hour	744			744			744			744

Remarks : P = Power Fail, F = Equipment Fail, N/A = Data not Available

Date/Month/Year : 1-31/December/2023

STATION : Ban Chao Nua



Wind Speed (m/s)					
Wind Sector	0.3-1.5	1.5-3.0	3.0-4.5	4.5-6.0	ALL
N	6.03%	8.20%	0.27%	0.00%	14.52%
NNE	2.02%	0.67%	0.00%	0.00%	2.69%
NE	1.08%	0.40%	0.00%	0.00%	1.48%
ENE	0.67%	0.27%	0.00%	0.00%	0.94%
E	0.67%	0.00%	0.00%	0.00%	0.67%
ESE	1.34%	0.00%	0.00%	0.00%	1.34%
SE	1.08%	0.00%	0.00%	0.00%	1.08%
SSE	0.81%	0.00%	0.00%	0.00%	0.81%
S	1.21%	0.00%	0.00%	0.00%	1.21%
SSW	1.34%	0.00%	0.00%	0.00%	1.34%
SW	0.67%	0.00%	0.00%	0.00%	0.67%
WSW	1.21%	0.00%	0.00%	0.00%	1.21%
W	4.84%	0.13%	0.00%	0.00%	4.97%
WNW	13.71%	2.42%	0.00%	0.00%	16.13%
NW	15.73%	4.44%	0.00%	0.00%	20.16%
NNW	9.54%	12.77%	0.81%	0.00%	23.12%
Total	61.96%	29.30%	1.08%	0.00%	92.34%

No. of Monitored Hours	744	Hours	No. of Calm	57	Hours
No. of Monitored Days	31	Days	Calm (%)	7.56%	
Missing Data	0	Hours	Average Wind Speed	1.21	m/s
No. of Valid Data	744	Hours	Maximum Wind Speed	3.80	m/s
Wind Rose by : Air Quality and Noise Section : 2023/05			Prevailing Wind Direction		
			NNW		

ภาคผนวก จ-3

ผลการตรวจวัดระดับเสียงโดยทั่วไป



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเลขที่PCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :

Lot ID: 2388947

Date Received : Aug 24, 2023

Date Reported : Sep 01, 2023

Report Number: 2763674-1

Page 1 of 1

Sample Number	2388947-1
Parameter	Noise (Leq 24 hrs.)
Location	บ้านสวนฝั้น (GPS 47P 0592807, 1502858)
Measurement Date	Aug 21 - Aug 22, 2023
Measurement by	Prommee Sripatnet
Sound Level meter	Serial No. 710644

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.9	75.2	42.3
11:00 AM - 12:00 PM	49.8	72.6	41.0
12:00 PM - 01:00 PM	49.8	70.9	40.7
01:00 PM - 02:00 PM	57.4	79.4	40.9
02:00 PM - 03:00 PM	52.1	77.7	41.7
03:00 PM - 04:00 PM	68.3	79.1	49.5
04:00 PM - 05:00 PM	76.4	97.4	53.4
05:00 PM - 06:00 PM	61.2	92.5	45.7
06:00 PM - 07:00 PM	65.3	97.5	47.0
07:00 PM - 08:00 PM	50.8	77.9	43.1
08:00 PM - 09:00 PM	53.5	77.4	45.6
09:00 PM - 10:00 PM	49.3	62.9	46.0
10:00 PM - 11:00 PM	50.3	68.2	45.2
11:00 PM - 12:00 AM	51.4	74.2	44.1
12:00 AM - 01:00 AM	52.0	76.9	47.0
01:00 AM - 02:00 AM	55.0	77.4	45.8
02:00 AM - 03:00 AM	52.0	80.3	45.3
03:00 AM - 04:00 AM	56.2	88.4	45.1
04:00 AM - 05:00 AM	51.0	72.3	44.6
05:00 AM - 06:00 AM	56.5	74.3	43.4
06:00 AM - 07:00 AM	58.3	77.5	44.9
07:00 AM - 08:00 AM	53.5	73.2	44.6
08:00 AM - 09:00 AM	65.8	92.9	44.0
09:00 AM - 10:00 AM	58.8	82.7	41.3

Leq Average 24 hrs. (dB(A))	64.3
Lmax (dB(A))	97.5
L90 (dB(A))	44.6
Ldn (dB(A))	
Standard (dB(A))	70

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่คิดจากการรบกวนการ

โรงงาน พ.ศ. 2548

Orawan R.

Orawan Rakying
Scientist (3)

Approved by

Supot Salameh
Section Head

Supt S.

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S:\Reports_Air\Noise rpt (10.32AM)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเลขที่PCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :

Lot ID: 2388947

Date Received : Aug 24, 2023

Date Reported : Sep 01, 2023

Report Number: 2763675-1

Page 1 of 1

Sample Number	2388947-2
Parameter	Noise (Leq 24 hrs.)
Location	บ้านสวนฝั้น (GPS 47P 0592807, 1502858)
Measurement Date	Aug 22 - Aug 23, 2023
Measurement by	Prommee Sripatnet
Sound Level meter	Serial No. 710644

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.3	89.7	42.8
11:00 AM - 12:00 PM	53.0	82.7	43.2
12:00 PM - 01:00 PM	50.4	70.3	42.0
01:00 PM - 02:00 PM	57.7	79.6	41.7
02:00 PM - 03:00 PM	61.4	101.3	42.5
03:00 PM - 04:00 PM	58.7	82.2	44.1
04:00 PM - 05:00 PM	54.0	80.4	43.4
05:00 PM - 06:00 PM	54.6	82.3	42.6
06:00 PM - 07:00 PM	53.0	79.2	45.3
07:00 PM - 08:00 PM	48.0	80.5	43.3
08:00 PM - 09:00 PM	65.5	97.3	43.3
09:00 PM - 10:00 PM	68.6	105.7	43.2
10:00 PM - 11:00 PM	51.9	83.6	42.9
11:00 PM - 12:00 AM	47.7	73.3	42.9
12:00 AM - 01:00 AM	55.8	81.2	43.3
01:00 AM - 02:00 AM	46.5	70.3	42.4
02:00 AM - 03:00 AM	47.1	72.8	42.6
03:00 AM - 04:00 AM	48.4	70.5	42.4
04:00 AM - 05:00 AM	51.2	73.7	43.2
05:00 AM - 06:00 AM	58.1	77.9	44.3
06:00 AM - 07:00 AM	55.5	79.6	46.7
07:00 AM - 08:00 AM	60.6	84.6	45.2
08:00 AM - 09:00 AM	62.7	99.1	43.9
09:00 AM - 10:00 AM	58.1	81.9	43.6

Leq Average 24 hrs. (dB(A))	59.3
Lmax (dB(A))	105.7
L90 (dB(A))	43.2
Ldn (dB(A))	
Standard (dB(A))	115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่คิดจากการรบกวนการ

โรงงาน พ.ศ. 2548

Orawan R.

Orawan Rakying
Scientist (3)

Approved by

Supot Salameh
Section Head

Supt S.

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Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเลขที่PCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :

Lot ID: 2388947

Date Received : Aug 24, 2023

Date Reported : Sep 01, 2023

Report Number: 2763676-1

Page 1 of 1

Sample Number 2388947-3

Parameter Noise (Leq 24 hrs.)

Location บ้านนาไร่ใหญ่ (GPS 47P 0592807, 1502858)

Measurement Date Aug 23 - Aug 24, 2023

Measurement by Prommee Sripachet

Sound Level meter Serial No. 710644

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.0	80.6	43.9
11:00 AM - 12:00 PM	65.4	102.1	42.6
12:00 PM - 01:00 PM	56.7	80.8	42.8
01:00 PM - 02:00 PM	58.2	92.6	42.8
02:00 PM - 03:00 PM	56.4	70.7	44.4
03:00 PM - 04:00 PM	59.7	77.7	47.5
04:00 PM - 05:00 PM	72.8	104.7	49.1
05:00 PM - 06:00 PM	52.9	73.6	45.4
06:00 PM - 07:00 PM	50.3	73.0	45.6
07:00 PM - 08:00 PM	49.7	66.3	46.7
08:00 PM - 09:00 PM	58.8	86.1	45.3
09:00 PM - 10:00 PM	56.2	79.3	44.2
10:00 PM - 11:00 PM	45.9	69.5	44.1
11:00 PM - 12:00 AM	52.6	73.6	43.7
12:00 AM - 01:00 AM	65.4	90.8	43.4
01:00 AM - 02:00 AM	49.0	70.8	41.9
02:00 AM - 03:00 AM	53.4	80.4	41.8
03:00 AM - 04:00 AM	47.8	71.0	41.2
04:00 AM - 05:00 AM	58.2	87.0	41.0
05:00 AM - 06:00 AM	54.8	72.7	41.8
06:00 AM - 07:00 AM	64.2	85.0	44.2
07:00 AM - 08:00 AM	61.0	79.4	47.9
08:00 AM - 09:00 AM	62.6	94.8	44.8
09:00 AM - 10:00 AM	52.7	75.1	45.2

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศกรมควบคุมมลพิษฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่วัดจากเครื่องจักร
โรงงาน พ.ศ. 2548

Orawan R.

Technical Management

Orawan Rakying

Scientist (3)

Approved by

Supot Salameh

Section Head

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S:\Reports_Air\Noise rpt (10.32AM)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเลขที่PCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :

Lot ID: 2388947

Date Received : Aug 24, 2023

Date Reported : Sep 01, 2023

Report Number: 2763677-1

Page 1 of 1

Sample Number 2388947-4

Parameter Noise (Leq 24 hrs.)

Location บ้านนาไร่ใหญ่ (GPS 47P 0597460, 1503907)

Measurement Date Aug 21 - Aug 22, 2023

Measurement by Prommee Sripachet

Sound Level meter Serial No. 1122504

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.8	83.8	39.6
11:00 AM - 12:00 PM	58.5	81.3	38.9
12:00 PM - 01:00 PM	57.2	82.3	39.0
01:00 PM - 02:00 PM	59.9	87.5	37.6
02:00 PM - 03:00 PM	59.6	81.5	45.0
03:00 PM - 04:00 PM	65.7	79.9	46.9
04:00 PM - 05:00 PM	62.8	92.0	47.2
05:00 PM - 06:00 PM	63.2	82.2	44.9
06:00 PM - 07:00 PM	60.2	91.4	44.4
07:00 PM - 08:00 PM	59.3	85.9	43.4
08:00 PM - 09:00 PM	57.4	80.8	44.0
09:00 PM - 10:00 PM	55.9	81.9	45.6
10:00 PM - 11:00 PM	52.6	77.0	47.6
11:00 PM - 12:00 AM	52.6	74.3	46.4
12:00 AM - 01:00 AM	50.7	72.9	47.3
01:00 AM - 02:00 AM	55.2	78.9	48.3
02:00 AM - 03:00 AM	54.4	75.6	50.3
03:00 AM - 04:00 AM	53.5	72.9	51.0
04:00 AM - 05:00 AM	53.8	80.3	48.1
05:00 AM - 06:00 AM	57.6	81.2	42.8
06:00 AM - 07:00 AM	59.9	83.2	42.3
07:00 AM - 08:00 AM	62.7	85.9	44.3
08:00 AM - 09:00 AM	60.9	87.9	41.2
09:00 AM - 10:00 AM	59.3	81.4	39.0

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศ กรมควบคุมมลพิษ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนด มาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่า "ระดับเสียงการรบกวน" และระดับเสียงที่วัดจากเครื่องจักร
โรงงาน พ.ศ. 2548

Orawan R.

Technical Management

Orawan Rakying

Scientist (3)

Approved by

Supot Salameh

Section Head

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S:\Reports_Air\Noise rpt (10.32AM)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : สัญญาเช่าที่ดิน PCL-CM2021-003/SHE
Project Name : Monitoring EIA
Project Location :

Lot ID: 2388947

Date Received : Aug 24, 2023
Date Reported : Sep 01, 2023
Report f umber: 276367N-1

Page 1 of 81

Sample Number		2388947-5	
Parameter	noise (Leq 24 hrs.)		
Location	บ้านไร่ ไร่ (GPS 47P 0597460, 1503907)		
Measurement Date	Aug 22 - Aug 23, 2023		
Measurement by	Prommee Sripanhet		
Sound Level meter	Serial no. 1122504		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	57.4	70.2	40.2
11:00 AM - 12:00 PM	59.1	70.9	39.6
12:00 PM - 01:00 PM	58.7	70.7	39.2
01:00 PM - 02:00 PM	58.5	70.0	39.1
02:00 PM - 03:00 PM	64.1	92.0	40.4
03:00 PM - 04:00 PM	59.6	70.7	44.3
04:00 PM - 05:00 PM	59.9	70.3	42.2
05:00 PM - 06:00 PM	61.1	70.7	45.0
06:00 PM - 07:00 PM	63.0	70.5	48.9
07:00 PM - 08:00 PM	62.3	70.2	50.6
08:00 PM - 09:00 PM	59.5	71.9	41.9
09:00 PM - 10:00 PM	55.5	70.0	42.2
10:00 PM - 11:00 PM	52.0	75.2	43.1
11:00 PM - 12:00 AM	51.4	71.9	44.1
12:00 AM - 01:00 AM	51.5	70.2	43.0
01:00 AM - 02:00 AM	48.5	74.9	43.2
02:00 AM - 03:00 AM	52.1	76.4	46.9
03:00 AM - 04:00 AM	54.0	75.2	42.9
04:00 AM - 05:00 AM	50.1	72.4	42.9
05:00 AM - 06:00 AM	55.3	70.2	41.6
06:00 AM - 07:00 AM	57.9	70.5	42.3
07:00 AM - 08:00 AM	61.3	70.3	44.0
08:00 AM - 09:00 AM	59.7	70.1	40.7
09:00 AM - 10:00 AM	59.1	70.1	39.4
Leq Average 24 hrs. (dB(A))	58.9		
Lmax (dB(A))	92.0		42.3
L90 (dB(A))			
Ldn (dB(A))	61.9		
Standard (dB(A))	70		115
Reference Method	ISO1996-1 and 1996-2		
Standard	1. : ค่าเฉลี่ย 3 ตอนกลางวัน (08.00-16.00 น.) และตอนกลางคืน (16.00-08.00 น.) 2. : ค่าเฉลี่ย 24 ชั่วโมง (08.00-08.00 น.)		

Orawan R.

Orawan Rakying
Scientist (3)

Approved by

Supot Salameh
Section Head

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S:\Reports_Air Noise rpt (10.35AM)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : สัญญาเช่าที่ดิน PCL-CM2021-003/SHE
Project Name : Monitoring EIA
Project Location :

Lot ID: 2388947

Date Received : Aug 24, 2023
Date Reported : Sep 01, 2023
Report f umber: 276367N-1

Page 1 of 81

Sample Number	2399N7-6		
Parameter	f noise (Leq 24 hrs.)		
Location	บ้านไร่ ไร่ (GPS 47P 05N7460, 1503N07)		
Measurement Date	Aug 23 - Aug 24, 2023		
Measurement by	Prommee Sripanhet		
Sound Level meter	Serial f.o. 1122504		
Time	Leq (dB(A))	Lmax (dB(A))	L10 (dB(A))
10:00 AM - 11:00 AM	59.1	70.4	40.2
11:00 AM - 12:00 PM	57.6	79.6	40.1
12:00 PM - 01:00 PM	58.3	95.4	40.0
01:00 PM - 02:00 PM	58.0	95.0	38.5
02:00 PM - 03:00 PM	59.1	70.4	40.4
03:00 PM - 04:00 PM	60.1	91.3	43.2
04:00 PM - 05:00 PM	62.1	92.2	47.9
05:00 PM - 06:00 PM	60.2	92.7	45.3
06:00 PM - 07:00 PM	61.1	99.4	45.5
07:00 PM - 08:00 PM	62.6	96.6	44.4
08:00 PM - 09:00 PM	58.7	91.3	44.2
09:00 PM - 10:00 PM	56.0	70.1	42.9
10:00 PM - 11:00 PM	52.9	76.4	42.9
11:00 PM - 12:00 AM	53.9	77.9	42.3
12:00 AM - 01:00 AM	54.6	95.0	42.2
01:00 AM - 02:00 AM	47.5	92.2	40.9
02:00 AM - 03:00 AM	49.4	75.0	40.5
03:00 AM - 04:00 AM	50.6	77.0	38.4
04:00 AM - 05:00 AM	50.9	72.7	41.1
05:00 AM - 06:00 AM	57.3	94.3	41.5
06:00 AM - 07:00 AM	56.6	97.1	43.9
07:00 AM - 08:00 AM	62.9	91.3	46.5
08:00 AM - 09:00 AM	61.4	91.6	42.7
09:00 AM - 10:00 AM	59.2	91.5	41.6

Orawan R.

Orawan Rakying
Scientist (3)

Approved by

Supot Salameh
Section Head

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Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเช่าที่ดิน PCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :

Lot ID: 2388947

Date Received : Aug 24, 2023

Date Reported : Sep 01, 2023

Report f umber: 27636ND-1

Page 1 of 81

Sample Number	23N047-7
Parameter	f oise (Leq 24 hrs.)
Location	พื้นที่วัดไฟฟ้า (GPS 47P 0596319, 1504677)
Measurement Date	Aug 21 - Aug 22, 2023
Measurement by	Prommee Sripattet
Sound Level meter	Serial f o. 650240

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.1	72.9	49.1
11:00 AM - 12:00 PM	49.9	64.3	48.6
12:00 PM - 01:00 PM	50.0	67.6	48.5
01:00 PM - 02:00 PM	51.2	76.2	49.6
02:00 PM - 03:00 PM	52.6	63.4	50.2
03:00 PM - 04:00 PM	64.9	74.0	53.7
04:00 PM - 05:00 PM	51.7	77.0	48.7
05:00 PM - 06:00 PM	54.2	79.5	49.5
06:00 PM - 07:00 PM	54.4	74.6	54.2
07:00 PM - 08:00 PM	60.6	69.3	57.5
08:00 PM - 09:00 PM	59.9	68.3	51.7
09:00 PM - 10:00 PM	57.4	67.1	52.3
10:00 PM - 11:00 PM	60.5	71.0	58.9
11:00 PM - 12:00 AM	60.7	66.5	59.2
12:00 AM - 01:00 AM	57.4	66.6	54.6
01:00 AM - 02:00 AM	57.5	66.5	54.7
02:00 AM - 03:00 AM	60.1	68.0	57.6
03:00 AM - 04:00 AM	58.3	65.7	55.7
04:00 AM - 05:00 AM	55.3	67.2	52.9
05:00 AM - 06:00 AM	53.1	69.7	49.2
06:00 AM - 07:00 AM	50.3	71.2	48.1
07:00 AM - 08:00 AM	52.0	74.4	49.0
08:00 AM - 09:00 AM	51.6	65.7	50.5
09:00 AM - 10:00 AM	50.7	61.0	50.0

Leq Average 24 hrs. (dB(A))	57.5
Lmax (dB(A))	79.5
L90 (dB(A))	50.5
Ldn (dB(A))	64.4
Standard (dB(A))	70

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่วัดจากการประกอบกิจการ
โรงงาน พ.ศ. 2549

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot Salameh
Section Head

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S:\Reports_Air Noise rpt (10.35AM)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเช่าที่ดิน PCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :

Lot ID: 2388947

Date Received : Aug 24, 2023

Date Reported : Sep 01, 2023

Report f umber: 27636ND-1

Page 1 of 81

Sample Number	23N047-N
Parameter	f oise (Leq 24 hrs.)
Location	พื้นที่วัดไฟฟ้า (GPS 47P 0596319, 1504677)
Measurement Date	Aug 22 - Aug 23, 2023
Measurement by	Prommee Sripattet
Sound Level meter	Serial f o. 650240

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.7	71.9	50.4
11:00 AM - 12:00 PM	50.9	70.9	48.7
12:00 PM - 01:00 PM	50.0	64.9	48.4
01:00 PM - 02:00 PM	50.9	62.6	49.9
02:00 PM - 03:00 PM	62.2	73.9	50.4
03:00 PM - 04:00 PM	51.0	64.4	49.6
04:00 PM - 05:00 PM	49.9	67.3	47.9
05:00 PM - 06:00 PM	53.1	77.3	48.7
06:00 PM - 07:00 PM	53.2	64.3	51.0
07:00 PM - 08:00 PM	52.6	63.1	50.4
08:00 PM - 09:00 PM	51.4	56.6	49.9
09:00 PM - 10:00 PM	53.4	66.3	50.9
10:00 PM - 11:00 PM	58.0	65.1	55.9
11:00 PM - 12:00 AM	57.5	63.9	55.2
12:00 AM - 01:00 AM	54.0	60.9	50.0
01:00 AM - 02:00 AM	55.6	59.4	52.4
02:00 AM - 03:00 AM	57.3	60.9	56.3
03:00 AM - 04:00 AM	56.3	64.0	55.0
04:00 AM - 05:00 AM	53.9	61.3	50.9
05:00 AM - 06:00 AM	52.5	60.9	49.9
06:00 AM - 07:00 AM	62.1	100.5	48.7
07:00 AM - 08:00 AM	53.6	76.4	49.9
08:00 AM - 09:00 AM	51.9	69.9	50.9
09:00 AM - 10:00 AM	53.2	73.7	50.9

Leq Average 24 hrs. (dB(A))	55.6
Lmax (dB(A))	100.5
L90 (dB(A))	50.4
Ldn (dB(A))	63.4
Standard (dB(A))	115

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่วัดจากการประกอบกิจการ
โรงงาน พ.ศ. 2549

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot Salameh
Section Head

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S:\Reports_Air Noise rpt (10.35AM)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเช่าทรัพย์สิน PCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :

Lot ID: 2388947

Date Received : Aug 24, 2023

Date Reported : Sep 01, 2023

Report f umber: 27636102-1

Page 1 of 81

Sample Number	23N047-9
Parameter	f oise (Leq 24 hrs.)
Location	พื้นที่วัดไฟฟ้า (GPS 47P 0596319, 1504677)
Measurement Date	Aug 23 - Aug 24, 2023
Measurement by	Prommee Sripattiet
Sound Level meter	Serial f o. 65N240

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.2	70.1	50.2
11:00 AM - 12:00 PM	49.7	74.0	47.6
12:00 PM - 01:00 PM	49.0	64.4	47.0
01:00 PM - 02:00 PM	50.4	63.6	49.3
02:00 PM - 03:00 PM	51.3	65.0	50.5
03:00 PM - 04:00 PM	54.6	69.4	49.4
04:00 PM - 05:00 PM	53.6	79.9	47.9
05:00 PM - 06:00 PM	52.0	76.9	47.5
06:00 PM - 07:00 PM	53.0	70.5	50.3
07:00 PM - 08:00 PM	50.5	49.2	49.2
08:00 PM - 09:00 PM	50.2	62.2	48.9
09:00 PM - 10:00 PM	51.6	61.2	50.6
10:00 PM - 11:00 PM	52.5	71.2	51.5
11:00 PM - 12:00 AM	52.6	61.4	51.1
12:00 AM - 01:00 AM	50.5	62.0	47.9
01:00 AM - 02:00 AM	54.2	59.2	50.6
02:00 AM - 03:00 AM	56.3	64.5	54.9
03:00 AM - 04:00 AM	55.1	62.0	53.0
04:00 AM - 05:00 AM	51.2	64.9	48.5
05:00 AM - 06:00 AM	52.1	67.9	49.9
06:00 AM - 07:00 AM	49.7	67.5	46.0
07:00 AM - 08:00 AM	52.5	77.2	48.4
08:00 AM - 09:00 AM	50.4	64.2	49.6
09:00 AM - 10:00 AM	50.0	58.4	50.0
Leq Average 24 hrs. (dB(A))	52.3		
Lmax (dB(A))	79.9		49.2
L90 (dB(A))			
Ldn (dB(A))	59.4		
Standard (dB(A))	70		115

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่ได้จากการประกอบกิจการ
พ.ร.บ. พ.ศ. 2540

Orawan R.

Orawan Rakong
Scientist (3)

Approved by

Supt S.

Supot Salameh
Section Head

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S:\Reports_Air Noise rpt (10.35AM)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเช่าทรัพย์สิน PCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :

Lot ID: 23126581

Date Received : Nov 30, 2023

Date Reported : Dec 08, 2023

Report Number: 2859033-1

Page 1 of 1

Sample Number	23126581-1
Parameter	Noise (Leq 24 hrs.)
Location	บ้านสวนจิตรลดา (GPS 47P 0592807, 1502858)
Measurement Date	Nov 27 - Nov 28, 2023
Measurement by	Winyou Boontana
Sound Level meter	Serial No. 858518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.8	74.9	44.4
11:00 AM - 12:00 PM	50.6	72.3	44.4
12:00 PM - 01:00 PM	49.6	72.1	44.0
01:00 PM - 02:00 PM	50.7	71.8	43.3
02:00 PM - 03:00 PM	48.6	70.4	42.5
03:00 PM - 04:00 PM	51.9	79.9	43.0
04:00 PM - 05:00 PM	59.8	91.6	42.3
05:00 PM - 06:00 PM	55.4	85.8	42.0
06:00 PM - 07:00 PM	53.1	84.4	44.4
07:00 PM - 08:00 PM	53.5	71.8	45.7
08:00 PM - 09:00 PM	47.8	71.5	44.8
09:00 PM - 10:00 PM	47.4	76.1	44.6
10:00 PM - 11:00 PM	52.8	81.5	42.1
11:00 PM - 12:00 AM	45.0	62.4	41.4
12:00 AM - 01:00 AM	44.8	67.0	41.0
01:00 AM - 02:00 AM	48.7	77.4	40.3
02:00 AM - 03:00 AM	45.8	67.7	40.2
03:00 AM - 04:00 AM	49.8	71.7	40.3
04:00 AM - 05:00 AM	53.9	78.6	41.0
05:00 AM - 06:00 AM	57.4	79.1	45.1
06:00 AM - 07:00 AM	61.2	89.7	46.1
07:00 AM - 08:00 AM	56.2	81.1	46.6
08:00 AM - 09:00 AM	51.6	77.2	45.4
09:00 AM - 10:00 AM	58.1	88.7	44.9
Leq Average 24 hrs. (dB(A))	54.2		
Lmax (dB(A))	91.6		43.3
L90 (dB(A))			
Ldn (dB(A))	60.9		
Standard (dB(A))	70		115

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่ได้จากการประกอบกิจการ
พ.ร.บ. พ.ศ. 2540

Suanyat C.

Saranya Chalerthamrong
Scientist (4)

Technical Management

Approved by

Supt S.

Supot Salameh
Section Head

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
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S:\Reports_Air Noise rpt (7:19PM)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : สัญญาเลขที่PCL-CM2021-003/SHE
Project Name : Monitoring EIA
Project Location :

Lot ID: 23126581
Date Received : Nov 30, 2023
Date Reported : Dec 08, 2023
Report Number: 2859034-1

Page 1 of 1

Sample Number	23126581-2
Parameter	Noise (Leq 24 hrs.)
Location	บ้านสวนจิตร (GPS 47P 0592807, 1502858)
Measurement Date	Nov 28 - Nov 29, 2023
Measurement by	Winyou Boontana
Sound Level meter	Serial No. 858518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	55.8	79.4	43.9
11:00 AM - 12:00 PM	52.5	78.5	43.5
12:00 PM - 01:00 PM	53.0	79.3	43.6
01:00 PM - 02:00 PM	51.5	80.6	42.5
02:00 PM - 03:00 PM	52.1	74.5	43.7
03:00 PM - 04:00 PM	56.8	79.8	44.9
04:00 PM - 05:00 PM	55.8	78.9	45.7
05:00 PM - 06:00 PM	53.5	76.9	43.6
06:00 PM - 07:00 PM	55.8	81.7	46.8
07:00 PM - 08:00 PM	52.7	75.3	44.1
08:00 PM - 09:00 PM	46.8	70.5	42.9
09:00 PM - 10:00 PM	45.2	66.7	42.3
10:00 PM - 11:00 PM	46.5	66.0	42.3
11:00 PM - 12:00 AM	43.8	58.0	40.8
12:00 AM - 01:00 AM	44.1	64.8	39.6
01:00 AM - 02:00 AM	43.0	58.3	38.6
02:00 AM - 03:00 AM	49.2	77.7	38.1
03:00 AM - 04:00 AM	46.6	71.4	39.6
04:00 AM - 05:00 AM	51.7	77.5	41.3
05:00 AM - 06:00 AM	58.6	84.1	43.4
06:00 AM - 07:00 AM	62.9	92.6	46.1
07:00 AM - 08:00 AM	57.0	80.9	47.2
08:00 AM - 09:00 AM	55.4	77.8	46.3
09:00 AM - 10:00 AM	55.4	86.1	46.0
Leq Average 24 hrs. (dB(A))	54.7		
Lmax (dB(A))	92.6		
L90 (dB(A))			43.5
Ldn (dB(A))	61.6		
Standard (dB(A))	70		115
Reference Method	: ISO1996-1 and 1996-2		
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่คิดจากการรบกวนการจราจร ทั้งนี้ พ.ศ. 2548		

Suwanya C.

Technical Management

Saranya Chalerthamrong
Scientist (4)

Approved by

Supot Salameh
Section Head

Supot S.

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : สัญญาเลขที่PCL-CM2021-003/SHE
Project Name : Monitoring EIA
Project Location :

Lot ID: 23126581
Date Received : Nov 30, 2023
Date Reported : Dec 08, 2023
Report Number: 2859035-1

Page 1 of 1

Sample Number	23126581-3
Parameter	Noise (Leq 24 hrs.)
Location	บ้านสวนจิตร (GPS 47P 0592807, 1502858)
Measurement Date	Nov 29 - Nov 30, 2023
Measurement by	Winyou Boontana
Sound Level meter	Serial No. 858518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.7	76.8	44.7
11:00 AM - 12:00 PM	51.5	75.6	43.1
12:00 PM - 01:00 PM	63.1	99.8	44.0
01:00 PM - 02:00 PM	51.2	86.1	41.9
02:00 PM - 03:00 PM	51.5	78.1	43.2
03:00 PM - 04:00 PM	56.4	82.6	43.2
04:00 PM - 05:00 PM	64.1	93.8	43.6
05:00 PM - 06:00 PM	56.6	78.5	43.2
06:00 PM - 07:00 PM	56.4	78.1	41.5
07:00 PM - 08:00 PM	56.2	88.9	44.3
08:00 PM - 09:00 PM	46.4	70.9	42.9
09:00 PM - 10:00 PM	44.9	66.7	41.8
10:00 PM - 11:00 PM	42.6	57.6	40.7
11:00 PM - 12:00 AM	42.9	56.1	40.9
12:00 AM - 01:00 AM	42.1	58.6	40.1
01:00 AM - 02:00 AM	47.5	71.8	38.9
02:00 AM - 03:00 AM	45.2	71.5	38.8
03:00 AM - 04:00 AM	52.4	80.1	39.2
04:00 AM - 05:00 AM	54.7	72.8	41.4
05:00 AM - 06:00 AM	59.3	81.8	42.1
06:00 AM - 07:00 AM	57.6	84.9	46.5
07:00 AM - 08:00 AM	59.0	85.0	42.6
08:00 AM - 09:00 AM	56.4	77.9	39.0
09:00 AM - 10:00 AM	57.4	74.6	46.9
Leq Average 24 hrs. (dB(A))	56.5		
Lmax (dB(A))		99.8	
L90 (dB(A))			42.1
Ldn (dB(A))	60.8		
Standard (dB(A))	70		115
Reference Method	: ISO1996-1 and 1996-2		
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่คิดจากการรบกวนการจราจร ทั้งนี้ พ.ศ. 2548		

Suwanya C.

Technical Management

Saranya Chalerthamrong
Scientist (4)

Approved by

Supot Salameh
Section Head

Supot S.

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Raj, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเลขที่ RPL-CM2021-003/SHE

Project Name : Mornitoring ETA

Project Location :

Lot ID: 23126581

Date Received : Nov 30 2023

Date Reported : Dec 08, 2023

Date Reported : Dec 06, 2006
Report Number: 2859037-1

Page 1 of 1

Sample Number Parameter Location Measurement Date Measurement by Sound Level meter	23126581-5		Noise (Leq 24 hrs.) ညီညွတ် ချစ် (WPS 47P 0597460, 1503907) Nov 28 - Nov 29, 2023 x Inyuu Boontana Serial No. 858525	Time	Leq (dB(A))	Lmax(dB(A))	L90 (dB(A))		
	10:00 AM - 11:00 AM	59.1						85.0	39.7
	11:00 AM - 12:00 PM	61.4						87.0	40.7
	12:00 PM - 01:00 PM	59.8						84.9	39.9
	01:00 PM - 02:00 PM	59.2						96.1	42.2
	02:00 PM - 03:00 PM	58.3						79.8	41.9
	03:00 PM - 04:00 PM	65.1						96.4	42.8
	04:00 PM - 05:00 PM	61.5						88.2	44.1
	05:00 PM - 06:00 PM	62.1						89.5	45.4
	06:00 PM - 07:00 PM	59.3						85.7	43.1
	07:00 PM - 08:00 PM	54.9						81.1	42.0
	08:00 PM - 09:00 PM	59.3						84.5	42.6
	09:00 PM - 10:00 PM	60.4						83.6	57.4
	10:00 PM - 11:00 PM	58.6						78.2	57.0
	11:00 PM - 12:00 AM	58.0						78.0	56.2
01:00 AM - 02:00 AM	56.7	72.6	55.8						
02:00 AM - 03:00 AM	55.9	77.3	40.1						
03:00 AM - 04:00 AM	52.7	85.3	39.9						
04:00 AM - 05:00 AM	52.2	77.2	39.8						
05:00 AM - 06:00 AM	57.3	81.3	40.5						
06:00 AM - 07:00 AM	62.5	85.7	42.8						
07:00 AM - 08:00 AM	61.0	85.9	44.2						
08:00 AM - 09:00 AM	60.3	87.5	42.7						
09:00 AM - 10:00 AM	60.1	86.1	42.0						
		86.9	41.9						

Leg Average 24 hrs. (dB(A))

LmaO (dB(A))	96.4
L90 (dB(A))	42.2
Ldn (dB(A))	65.1
Standard (dB(A))	70

Reference Method : ISO1996-1 and 1996-2

Standard : 1. มาตรฐานของกรมโยธาธิการและผังเมือง พ.ศ. 2540 (ฉบับแก้ไข) 2. มาตรฐานของกรมโยธาธิการและผังเมือง พ.ศ. 2548

Reference Method : IS/J1996-1 and 1996-2

Standard : 1. ศึกษารายละเอียดของเอกสารสิทธิ์ ส.ก. ให้ หมายความว่า 15 (พ.ณ. 2540) เกือบตัว ๆ มาดูตามฉบับเสียด้วย

2. ๕. กล่าวถึงเหตุการณ์ที่ ได้สัปดาห์นี้ คุณแม่ได้เล่าให้ฟังว่า

โศตนา พ.ณ 2548

U
C

Financial Management

Samuel C. Joseph

Accountant

Joseph

Approved by _____

Saranya Chalermthamrong Supot

Scientist (4) Sect

KHONGSAK PHATTANAKORN | What Sun Means Bangkok 10260 Thailand
PHONE 0937 819105

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Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเลขที่PCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :

Lot ID: 23126581

Date Received : Nov 30, 2023

Date Reported : Dec 08, 2023

Report Number: 2859038-1

Page 1 of 1

Sample Number	23126581-6
Parameter	Noise (Leq 24 hrs.)
Location	บ้านนาไร่ หมู่ (VPS 47P 0597460, 1503907)
Measurement Date	Nov 29 - Nov 30, 2023
Measurement by	x Inyoo Boontana
Sound Level meter	Serial No. 858525

Time	Leq (dB(A))	LmaxQ (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	60.0	84.4	41.2
11:00 AM - 12:00 PM	57.6	78.3	40.1
12:00 PM - 01:00 PM	57.1	81.2	40.4
01:00 PM - 02:00 PM	58.4	81.4	41.2
02:00 PM - 03:00 PM	57.7	81.4	41.3
03:00 PM - 04:00 PM	61.5	92.9	42.4
04:00 PM - 05:00 PM	61.5	95.1	46.2
05:00 PM - 06:00 PM	61.4	94.5	43.2
06:00 PM - 07:00 PM	59.1	81.7	43.2
07:00 PM - 08:00 PM	55.1	81.7	42.5
08:00 PM - 09:00 PM	57.9	81.2	41.3
09:00 PM - 10:00 PM	58.3	76.7	56.9
10:00 PM - 11:00 PM	58.0	71.9	58.8
11:00 PM - 12:00 AM	60.9	77.8	56.8
12:00 AM - 01:00 AM	62.0	90.7	58.5
01:00 AM - 02:00 AM	58.6	70.2	42.5
02:00 AM - 03:00 AM	59.4	81.3	41.0
03:00 AM - 04:00 AM	59.7	76.3	57.0
04:00 AM - 05:00 AM	60.1	87.3	40.9
05:00 AM - 06:00 AM	59.9	86.2	42.6
06:00 AM - 07:00 AM	61.2	84.1	44.1
07:00 AM - 08:00 AM	59.1	78.3	41.4
08:00 AM - 09:00 AM	58.0	82.2	41.6
09:00 AM - 10:00 AM	56.6	75.8	42.3
Leq Average 24 hrs. (dB(A))	59.5		
LmaxQ (dB(A))	95.1		42.4
L90 (dB(A))			
Ldn (dB(A))	66.4		
Standard (dB(A))	70		115

Reference Method : ISU1996-1 and 1996-2
Standard : 1. ประกาศกระทรวงมหาดไทย เรื่อง มาตรฐานการควบคุมเสียงรบกวน พ.ศ. 2540
2. ประกาศกระทรวงมหาดไทย เรื่อง มาตรฐานการควบคุมเสียงรบกวน พ.ศ. 2540

Technical Management

Saranya Chalermthamrong
Scientist (4)

Approved by

Supot Salameh
Section Head

Supot S.

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
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Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเลขที่PCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :

Lot ID: 23126581

Date Received : Nov 30, 2023

Date Reported : Dec 08, 2023

Report Number: 2859039-1

Page 1 of 1

Sample Number	23126581-7
Parameter	Noise (Leq 24 hrs.)
Location	พื้นที่วัดไฟฟ้า (GPS 47P 0596319, 1504677)
Measurement Date	Nov 27 - Nov 28, 2023
Measurement by	Winyou Boontana
Sound Level meter	Serial No. 296514

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.2	71.8	47.7
11:00 AM - 12:00 PM	46.7	54.6	44.1
12:00 PM - 01:00 PM	47.0	66.7	44.0
01:00 PM - 02:00 PM	48.6	59.7	47.6
02:00 PM - 03:00 PM	48.8	61.8	47.8
03:00 PM - 04:00 PM	48.6	72.4	45.0
04:00 PM - 05:00 PM	47.8	64.8	44.9
05:00 PM - 06:00 PM	50.8	74.0	47.4
06:00 PM - 07:00 PM	48.1	70.2	46.6
07:00 PM - 08:00 PM	47.7	64.2	46.6
08:00 PM - 09:00 PM	51.2	72.7	50.0
09:00 PM - 10:00 PM	53.5	79.2	49.9
10:00 PM - 11:00 PM	53.0	78.4	50.0
11:00 PM - 12:00 AM	49.2	65.7	46.5
12:00 AM - 01:00 AM	49.0	67.9	45.3
01:00 AM - 02:00 AM	50.4	76.4	45.3
02:00 AM - 03:00 AM	52.9	70.5	50.6
03:00 AM - 04:00 AM	49.2	55.4	46.3
04:00 AM - 05:00 AM	46.4	64.4	44.9
05:00 AM - 06:00 AM	47.6	66.3	45.0
06:00 AM - 07:00 AM	52.2	78.7	45.4
07:00 AM - 08:00 AM	50.2	73.4	45.6
08:00 AM - 09:00 AM	49.5	67.5	47.6
09:00 AM - 10:00 AM	52.3	77.3	47.4
Leq Average 24 hrs. (dB(A))	50.1		
Lmax (dB(A))		79.2	46.5
L90 (dB(A))			
Ldn (dB(A))	56.8		
Standard (dB(A))	70		115

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงมหาดไทย เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่โครงการประกอบกิจการ
โรงงาน พ.ศ. 2546

Technical Management

Saranya Chalermthamrong
Scientist (4)

Approved by

Supot Salameh
Section Head

Supot S.

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
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245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเลขที่PCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :

Lot ID: 23126581

Date Received : Nov 30, 2023

Date Reported : Dec 08, 2023

Report Number: 2859040-1

Page 1 of 1

Sample Number	23126581-8
Parameter	Noise (Leq 24 hrs.)
Location	พื้นที่โรงไฟฟ้า (GPS 47P 0596319, 1504677)
Measurement Date	Nov 28 - Nov 29, 2023
Measurement by	Winyou Boontana
Sound Level meter	Serial No. 296514

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.9	67.8	47.6
11:00 AM - 12:00 PM	46.2	69.5	44.1
12:00 PM - 01:00 PM	47.6	56.2	44.6
01:00 PM - 02:00 PM	48.5	62.5	47.7
02:00 PM - 03:00 PM	48.5	61.9	47.3
03:00 PM - 04:00 PM	47.4	70.0	44.9
04:00 PM - 05:00 PM	47.0	63.1	45.3
05:00 PM - 06:00 PM	51.6	79.5	46.3
06:00 PM - 07:00 PM	47.2	71.4	46.4
07:00 PM - 08:00 PM	47.6	60.2	46.9
08:00 PM - 09:00 PM	45.9	64.2	45.0
09:00 PM - 10:00 PM	47.0	69.4	45.2
10:00 PM - 11:00 PM	46.8	56.4	46.1
11:00 PM - 12:00 AM	47.1	66.5	45.6
12:00 AM - 01:00 AM	45.1	51.0	44.4
01:00 AM - 02:00 AM	46.7	58.9	44.3
02:00 AM - 03:00 AM	48.7	65.8	47.9
03:00 AM - 04:00 AM	48.4	67.4	47.6
04:00 AM - 05:00 AM	49.2	69.1	48.0
05:00 AM - 06:00 AM	49.9	68.1	48.5
06:00 AM - 07:00 AM	48.7	63.2	48.0
07:00 AM - 08:00 AM	50.8	73.1	48.3
08:00 AM - 09:00 AM	49.2	65.7	47.8
09:00 AM - 10:00 AM	49.0	62.7	47.4

Leq Average 24 hrs. (dB(A))	48.4
Lmax (dB(A))	79.5
L90 (dB(A))	46.4
Ldn (dB(A))	
Standard (dB(A))	70

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่ไดจากการทำงานของเครื่องจักร

รายงาน พ.ศ. 2548

Technical Management

Saranya Chalermthamrong

Scientist (4)

Approved by

Supot Salameh

Section Head

Supot S.

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
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P/O : สัญญาเลขที่PCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :

Lot ID: 23126581

Date Received : Nov 30, 2023

Date Reported : Dec 08, 2023

Report Number: 2859041-1

Page 1 of 1

Sample Number	23126581-9
Parameter	Noise (Leq 24 hrs.)
Location	พื้นที่โรงไฟฟ้า (GPS 47P 0596319, 1504677)
Measurement Date	Nov 29 - Nov 30, 2023
Measurement by	Winyou Boontana
Sound Level meter	Serial No. 296514

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.3	62.3	47.2
11:00 AM - 12:00 PM	45.8	63.2	43.5
12:00 PM - 01:00 PM	47.5	59.9	43.9
01:00 PM - 02:00 PM	48.7	64.9	47.5
02:00 PM - 03:00 PM	50.0	74.4	47.9
03:00 PM - 04:00 PM	49.1	65.0	45.6
04:00 PM - 05:00 PM	48.9	68.5	45.8
05:00 PM - 06:00 PM	51.2	72.8	47.0
06:00 PM - 07:00 PM	47.4	57.5	46.6
07:00 PM - 08:00 PM	46.8	64.1	45.7
08:00 PM - 09:00 PM	46.9	62.7	46.1
09:00 PM - 10:00 PM	47.3	69.2	46.1
10:00 PM - 11:00 PM	46.6	63.7	45.8
11:00 PM - 12:00 AM	46.8	62.5	45.4
12:00 AM - 01:00 AM	52.3	73.5	46.0
01:00 AM - 02:00 AM	52.3	58.5	50.9
02:00 AM - 03:00 AM	51.3	60.0	49.0
03:00 AM - 04:00 AM	48.1	75.0	46.1
04:00 AM - 05:00 AM	47.5	65.6	45.9
05:00 AM - 06:00 AM	49.7	73.0	46.9
06:00 AM - 07:00 AM	47.5	59.9	45.9
07:00 AM - 08:00 AM	54.4	78.9	46.1
08:00 AM - 09:00 AM	49.4	71.5	47.3
09:00 AM - 10:00 AM	48.8	65.1	47.1

Leq Average 24 hrs. (dB(A))	49.4
Lmax (dB(A))	78.9
L90 (dB(A))	46.1
Ldn (dB(A))	
Standard (dB(A))	115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานสิ่งแวดล้อมทั่วไป

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดระดับเสียงการรบกวน และระดับเสียงที่ไดจากการทำงานของเครื่องจักร

รายงาน พ.ศ. 2548

Technical Management

Saranya Chalermthamrong

Scientist (4)

Approved by

Supot Salameh

Section Head

Supot S.

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
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ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้ง



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :



TESTING

No. 0009

Lot ID: 2379942

Date Received : Jul 17, 2023

Date Reported : Jul 24, 2023

Report Number : 2727224-1

Page 1 of 3

Sample Number	2379942-4						
Sampled Date	Jul 17, 2023 11:45 AM						
Sample Description	Wastewater						
Location	น้ำทิ้งที่บ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)						
Date Analysis Commenced	Jul 18, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.010	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.11	≤1.0	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.03	≤2.0	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.0008	≤0.20	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.04	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok

Technical Management

Sawitree N.

Sawitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-จ-6111

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Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :



TESTING

No. 0009

Lot ID: 2379942

Date Received : Jul 17, 2023

Date Reported : Jul 24, 2023

Report Number : 2727224-1

Page 2 of 3

Sample Number	2379942-4						
Sampled Date	Jul 17, 2023 11:45 AM						
Sample Description	Wastewater						
Location	น้ำทิ้งที่บ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)						
Date Analysis Commenced	Jul 18, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Nickel	mg/L	0.0003	0.0005	0.001	≤1.0	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.04	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2.0	3.1	≤20	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	35	≤120	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.8	5.5-9.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.4	≤40	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

Technical Management

Sawitree N.

Sawitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-จ-6111

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Analysis / Test Report



TESTING
No. 0009
Lot ID: 2379942
Date Received : Jul 17, 2023
Date Reported : Jul 24, 2023
Report Number : 2727224-1

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE
Project Name : Mornitoring EIA
Project Location :

Page 3 of 3

Sample Number	2379942-4							
Sampled Date	Jul 17, 2023 11:45 AM							
Sample Description	Wastewater							
Location	น้ำทิ้งที่บ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)							
Date Analysis Commenced	Jul 18, 2023							
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	840	≤3000	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	1.3	≤100	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	14	≤50	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Prapot Wannachoochai ทะเบียนเลขที่ ว-204-จ-7109

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Sawitree N.

Sawitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

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245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE
Project Name : Mornitoring EIA
Project Location :

Page 1 of 1

Sample Number	2379942-4							
Sampled Date	Jul 17, 2023 11:45 AM							
Sample Description	Wastewater							
Location	น้ำทิ้งที่บ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)							
Date Analysis Commenced	Jul 19, 2023							
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Conductivity at 25 degree C	micromhos/cm	-	0.5	1287	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Prapot Wannachoochai ทะเบียนเลขที่ ว-204-จ-7109

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Siriluk P.

Siriluk Puengpang
Section Head

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Analysis / Test Report



Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :

TESTING

No. 0009

Lot ID: 2391191

Date Received : Aug 15, 2023

Date Reported : Aug 22, 2023

Report Number : 2753602-1

Page 1 of 3

Sample Number	2391191-4						
Sampled Date	Aug 15, 2023 11:40 AM						
Sample Description	Wastewater						
Location	น้ำทิ้งที่บ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)						
Date Analysis Commenced	Aug 16, 2023						
Condition of Sample	Contained in one amber glass bottle, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.01	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.13	≤1.0	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.02	≤2.0	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.0007	≤0.20	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.04	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	<0.0005	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok

Technical Management

Savitree N.

Savitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-จ-6111

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Analysis / Test Report



Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :

TESTING

No. 0009

Lot ID: 2391191

Date Received : Aug 15, 2023

Date Reported : Aug 22, 2023

Report Number : 2753602-1

Page 2 of 3

Sample Number	2391191-4						
Sampled Date	Aug 15, 2023 11:40 AM						
Sample Description	Wastewater						
Location	น้ำทิ้งที่บ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)						
Date Analysis Commenced	Aug 16, 2023						
Condition of Sample	Contained in one amber glass bottle, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Nickel	mg/L	0.0003	0.0005	0.001	≤1.0	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.04	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2.0	3.1	≤20	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	57	≤120	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.6	5.5-9.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.1	≤40	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

Technical Management

Savitree N.

Savitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-จ-6111

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TESTING
No. 0009
Lot ID: 2391191
Date Received : Aug 15, 2023
Date Reported : Aug 22, 2023
Report Number : 2753602-1

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE
Project Name : Mornitoring EIA
Project Location :

Page 3 of 3

Sample Number	2391191-4							
Sampled Date	Aug 15, 2023 11:40 AM							
Sample Description	Wastewater							
Location	น้ำทิ้งที่บ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)							
Date Analysis Commenced	Aug 16, 2023							
Condition of Sample	Contained in one amber glass bottle, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	832	≤3000	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	2.7	≤100	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	7	≤50	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Norrasat Komal ทะเบียนเลขที่ ว-204-จ-5411

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Savitree N.

Savitree Noisangiam
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE
Project Name : Mornitoring EIA
Project Location :

Page 1 of 1

Sample Number	2391191-4							
Sampled Date	Aug 15, 2023 11:40 AM							
Sample Description	Wastewater							
Location	น้ำทิ้งที่บ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)							
Date Analysis Commenced	Aug 17, 2023							
Condition of Sample	Contained in one amber glass bottle, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Conductivity at 25 degree C	micromhos/cm	-	0.5	1378	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Norrasat Komal ทะเบียนเลขที่ ว-204-จ-5411

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :



TESTING
No. 0009

Lot ID: 23100769

Date Received : Sep 15, 2023

Date Reported : Sep 22, 2023

Report Number : 2785555-1

Page 1 of 3

Sample Number	23100769-4						
Sampled Date	Sep 12, 2023 12:52 PM						
Sample Description	Wastewater						
Location	น้ำทิ้งที่ปล่อยน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)						
Date Analysis Commenced	Sep 16, 2023						
Condition of Sample	Contained in two glass vials, five plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.006	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.08	≤1.0	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.01	≤2.0	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	<0.0005	≤0.20	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.02	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok

Technical Management

Suwimon C.

Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-จ-6111

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Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :



TESTING
No. 0009

Lot ID: 23100769

Date Received : Sep 15, 2023

Date Reported : Sep 22, 2023

Report Number : 2785555-1

Page 2 of 3

Sample Number	23100769-4						
Sampled Date	Sep 12, 2023 12:52 PM						
Sample Description	Wastewater						
Location	น้ำทิ้งที่ปล่อยน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)						
Date Analysis Commenced	Sep 16, 2023						
Condition of Sample	Contained in two glass vials, five plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Nickel	mg/L	0.0003	0.0005	0.0009	≤1.0	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.03	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.3	5.5-9.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.4	≤40	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

Technical Management

Suwimon C.

Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-จ-6111

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Analysis / Test Report



TESTING
No. 0009
Lot ID: 23100769
Date Received : Sep 15, 2023
Date Reported : Sep 22, 2023
Report Number : 2785555-1

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE
Project Name : Mornitoring EIA
Project Location :

Page 3 of 3

Sample Number	23100769-4							
Sampled Date	Sep 12, 2023 12:52 PM							
Sample Description	Wastewater							
Location	น้ำทิ้งที่บ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)							
Date Analysis Commenced	Sep 16, 2023							
Condition of Sample	Contained in two glass vials, five plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	492	≤3000	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	1.6	≤100	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	6	≤50	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Norrasat Komal ทะเบียนเลขที่ ว-204-จ-5411

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Suwimon C.

Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-5411

Approved by

Kanok Korn Anek

Kanok Korn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE
Project Name : Mornitoring EIA
Project Location :

Page 1 of 1

Sample Number	23100769-4							
Sampled Date	Sep 12, 2023 12:52 PM							
Sample Description	Wastewater							
Location	น้ำทิ้งที่บ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)							
Date Analysis Commenced	Sep 18, 2023							
Condition of Sample	Contained in two glass vials, five plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Conductivity at 25 degree C	micromhos/cm	-	0.5	877	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Norrasat Komal ทะเบียนเลขที่ ว-204-จ-5411

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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Analysis / Test Report



Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :

TESTING
No. 0009

Lot ID: 23117319

Date Received : Oct 26, 2023

Date Reported : Nov 02, 2023

Report Number : 2824359-1

Page 1 of 3

Sample Number	23117319-4						
Sampled Date	Oct 26, 2023 11:10 AM						
Sample Description	Wastewater						
Location	น้ำทิ้งที่บ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)						
Date Analysis Commenced	Oct 27, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.006	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.08	≤1.0	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.01	≤2.0	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	<0.0005	≤0.20	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.03	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	<0.0005	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok

Technical Management

Suwimon C.

Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report



Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :

TESTING
No. 0009

Lot ID: 23117319

Date Received : Oct 26, 2023

Date Reported : Nov 02, 2023

Report Number : 2824359-1

Page 2 of 3

Sample Number	23117319-4						
Sampled Date	Oct 26, 2023 11:10 AM						
Sample Description	Wastewater						
Location	น้ำทิ้งที่บ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)						
Date Analysis Commenced	Oct 27, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Nickel	mg/L	0.0003	0.0005	0.001	≤1.0	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.02	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2.0	2.3	≤20	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	38	≤120	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.0	5.5-9.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.1	≤40	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

Technical Management

Suwimon C.

Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report



TESTING
No. 0009
Lot ID: 23117319
Date Received : Oct 26, 2023
Date Reported : Nov 02, 2023
Report Number : 2824359-1

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE
Project Name : Mornitoring EIA
Project Location :

Page 3 of 3

Sample Number	23117319-4							
Sampled Date	Oct 26, 2023 11:10 AM							
Sample Description	Wastewater							
Location	น้ำทิ้งบ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)							
Date Analysis Commenced	Oct 27, 2023							
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	732	≤3000	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	<1.0	≤100	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	11	≤50	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Chawanthat Nakpanom ทะเบียนเลขที่ ว-204-จ-7833

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Suwimon C.

Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

Kanok Korn Anek

Kanok Korn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-6111

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Client : Ratchaburi Power Co., Ltd.
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P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE
Project Name : Mornitoring EIA
Project Location :

Page 1 of 1

Sample Number	23117319-4							
Sampled Date	Oct 26, 2023 11:10 AM							
Sample Description	Wastewater							
Location	น้ำทิ้งที่บ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)							
Date Analysis Commenced	Oct 27, 2023							
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Conductivity at 25 degree C	micromhos/cm	-	0.5	1120	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Chawanthat Nakpanom ทะเบียนเลขที่ ว-204-จ-7833

Remark :

- LOD : Limit of Detection
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Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

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P/O :

Project Name : Mornitoring EIA

Project Location :



TESTING

No.0009

Lot ID: 23124080

Date Received : Nov 17, 2023

Date Reported : Nov 23, 2023

Report Number : 2845553-1

Page 1 of 3

Sample Number	23124080-4						
Sampled Date	Nov 17, 2023 11:00 AM						
Sample Description	Wastewater						
Location	น้ำทิ้งที่บ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)						
Date Analysis Commenced	Nov 18, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.004	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.06	≤1.0	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.01	≤2.0	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.0006	≤0.20	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.03	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok

Technical Management

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

ทะเบียนเลขที่ ว-204-จ-5417

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-จ-6111

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Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O :

Project Name : Mornitoring EIA

Project Location :



TESTING

No.0009

Lot ID: 23124080

Date Received : Nov 17, 2023

Date Reported : Nov 23, 2023

Report Number : 2845553-1

Page 2 of 3

Sample Number	23124080-4						
Sampled Date	Nov 17, 2023 11:00 AM						
Sample Description	Wastewater						
Location	น้ำทิ้งที่บ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)						
Date Analysis Commenced	Nov 18, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Nickel	mg/L	0.0003	0.0005	0.001	≤1.0	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.03	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.4	5.5-9.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.3	≤40	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

Technical Management

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

ทะเบียนเลขที่ ว-204-จ-5417

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-จ-6111

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Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O :

Project Name : Mornitoring EIA

Project Location :



TESTING

No. 0009

Lot ID: 23124080

Date Received : Nov 17, 2023

Date Reported : Nov 23, 2023

Report Number : 2845553-1

Page 3 of 3

Sample Number	23124080-4						
Sampled Date	Nov 17, 2023 11:00 AM						
Sample Description	Wastewater						
Location	น้ำทิ้งที่บ่อพักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)						
Date Analysis Commenced	Nov 18, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method
Water Testing							
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	504	≤3000	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	1.8	≤100	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤50	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Norrasat Komal ทะเบียนเลขที่ ว-204-จ-5411

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

ทะเบียนเลขที่ ว-204-จ-5417

Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O :

Project Name : Mornitoring EIA

Project Location :

Lot ID: 23124080

Date Received : Nov 17, 2023

Date Reported : Nov 23, 2023

Report Number : 2845553-2

Page 1 of 1

Sample Number	23124080-4						
Sampled Date	Nov 17, 2023 11:00 AM						
Sample Description	Wastewater						
Location	น้ำทิ้งที่บ่อพักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)						
Date Analysis Commenced	Nov 20, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method
Water Testing							
Conductivity at 25 degree C	micromhos/cm	-	0.5	816	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Norrasat Komal ทะเบียนเลขที่ ว-204-จ-5411

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :



TESTING

No. 0009

Lot ID: 23120765

Date Received : Dec 01, 2023

Date Reported : Dec 08, 2023

Report Number : 2858425-1

Page 1 of 3

Sample Number	23120765-4						
Sampled Date	Dec 01, 2023 11:15 AM						
Sample Description	Wastewater						
Location	น้ำทิ้งที่บ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)						
Date Analysis Commenced	Dec 02, 2023						
Condition of Sample	Contained in one amber glass bottle, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.004	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.05	≤1.0	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.009	≤2.0	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	<0.0005	≤0.20	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.02	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok

Technical Management

Chanatt L.

Chanattagarn Imchom

Section Head

ทะเบียนเลขที่ ว-204-จ-4710

Approved by

Kanokorn Anek

Kanokorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-จ-6111

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Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :



TESTING

No. 0009

Lot ID: 23120765

Date Received : Dec 01, 2023

Date Reported : Dec 08, 2023

Report Number : 2858425-1

Page 2 of 3

Sample Number	23120765-4						
Sampled Date	Dec 01, 2023 11:15 AM						
Sample Description	Wastewater						
Location	น้ำทิ้งที่บ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)						
Date Analysis Commenced	Dec 02, 2023						
Condition of Sample	Contained in one amber glass bottle, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Nickel	mg/L	0.0003	0.0005	0.001	≤1.0	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.02	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤120	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.5	5.5-9.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.6	≤40	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

Technical Management

Chanatt L.

Chanattagarn Imchom

Section Head

ทะเบียนเลขที่ ว-204-จ-4710

Approved by

Kanokorn Anek

Kanokorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-จ-6111

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Analysis / Test Report



TESTING
No. 0009
Lot ID: 23120765
Date Received : Dec 01, 2023
Date Reported : Dec 08, 2023
Report Number : 2858425-1

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE
Project Name : Mornitoring EIA
Project Location :

Page 3 of 3

Sample Number	23120765-4							
Sampled Date	Dec 01, 2023 11:15 AM							
Sample Description	Wastewater							
Location	น้ำทิ้งที่บ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)							
Date Analysis Commenced	Dec 02, 2023							
Condition of Sample	Contained in one amber glass bottle, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	576	≤3000	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	<1.0	≤100	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	8	≤50	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Chawanthat Nakpanom ทะเบียนเลขที่ ว-204-จ-7833

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Chanatt L.

Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-4710

Approved by

Kanok Anek

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : สัญญาเลขที่ RPCL-CM2021-003/SHE
Project Name : Mornitoring EIA
Project Location :

Page 1 of 1

Sample Number	23120765-4							
Sampled Date	Dec 01, 2023 11:15 AM							
Sample Description	Wastewater							
Location	น้ำทิ้งที่บ่อกักน้ำ waste water holding basin2 (GPS 47P 0596380 , 1504482)							
Date Analysis Commenced	Dec 04, 2023							
Condition of Sample	Contained in one amber glass bottle, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Conductivity at 25 degree C	micromhos/cm	-	0.5	1108	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Chawanthat Nakpanom ทะเบียนเลขที่ ว-204-จ-7833

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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