

## ภาคผนวก จ-1

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ผลการตรวจวัดคุณภาพอากาศ  
แบบอัตโนมัติอย่างต่อเนื่อง (CEMs)

Report CEM Jul-22

HRSG 12	
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Flow	1000M <sup>3</sup> /hr	-
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\* Air Control Standard of (EIA)

Source Standard Gas #N2 Hex State 31 501.1 cm<sup>-1</sup> (4631318V 14-APR-2010) 4631756V 14-APR-2010) 5667957V 14-APR-2010)

Recorded By:

( ឆាន់វិញ្ញាណ ឆាន់អារម្មណ៍ )

### Approved By:

( มาตรฐาน พหุปัญญา )

issue date 2-Aug-22

Recorded By \_\_\_\_\_

( រយៈពេល ១ ខែ )

Approved By:

( มาตรา ๖๖, พ.ร.บ. ๖๐ )

Maintenance Statistic of Environment Protection Equipment

Month: Jul-22

Report CEM Jul-22HRSG 22\* Air Control Standard of (EIA)

rded By

( ควบคุมโรค, บุคลากร )

Approved By \_\_\_\_\_

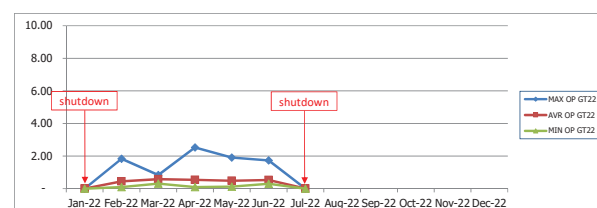
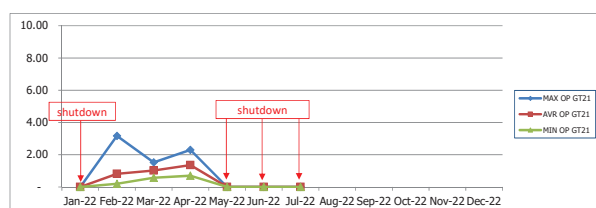
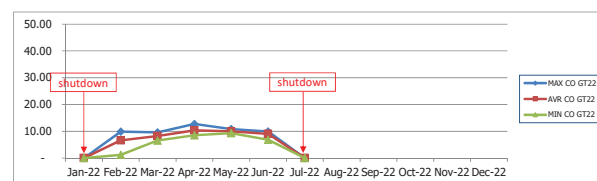
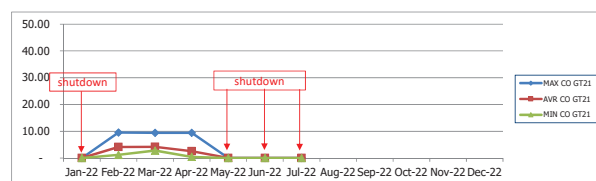
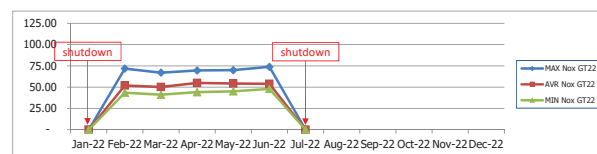
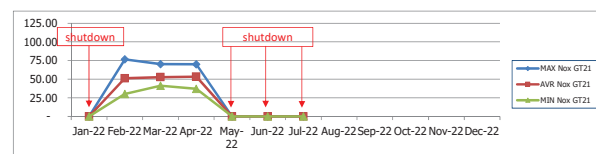
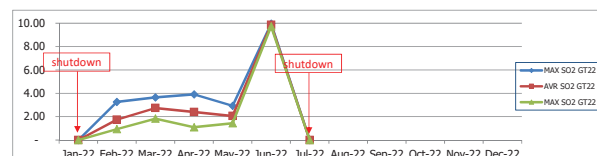
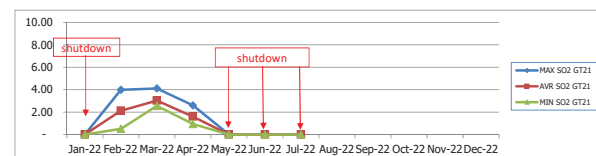
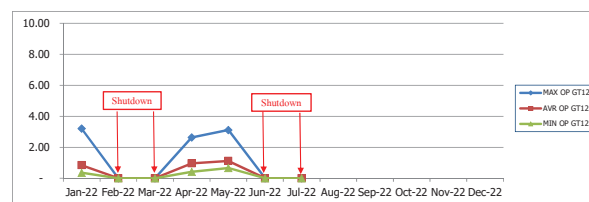
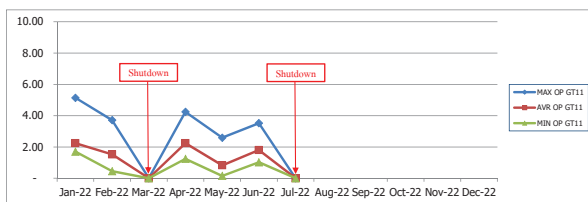
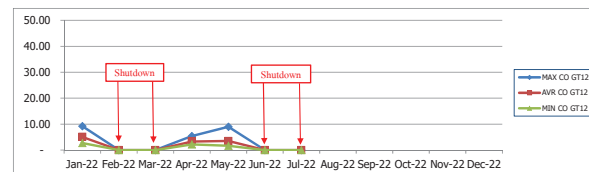
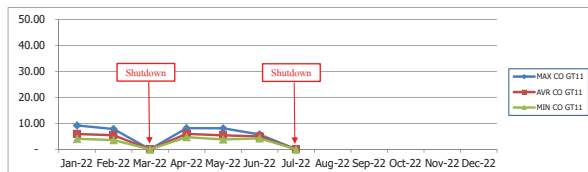
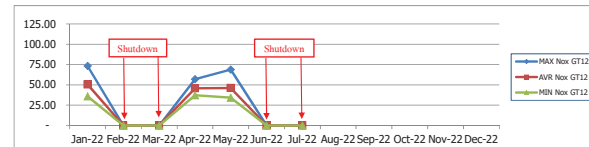
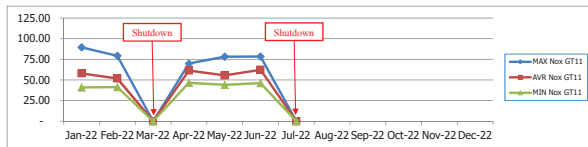
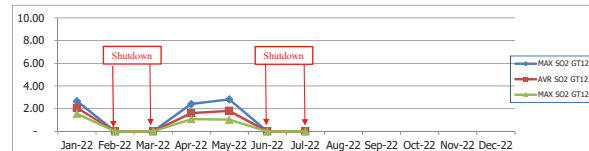
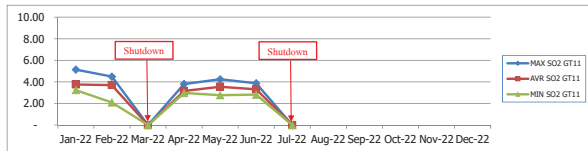
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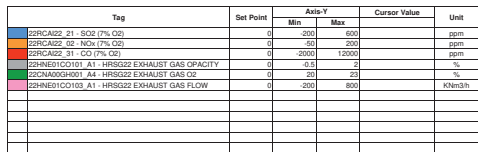
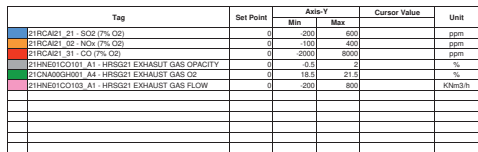
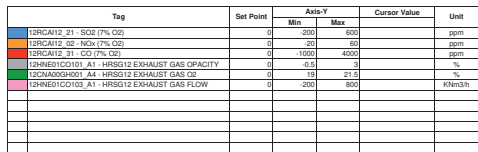
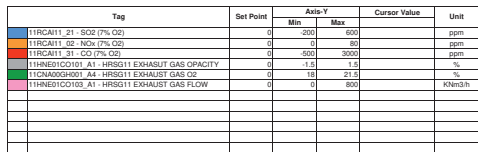
\* Re-Calibrate (Zero Diff.  $\pm 1\%$ ) (Span Diff.  $\pm 2\%$ )

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Calibrate and Maintenance Confirmed Emission Monitor				Page 1
Monthly Report				3/8/22
D/N/Y	CE#s	Description	Remark	
5/7/2022	11	Inspection & Calibrate Zero Skip : No calibrate because HRS011 SHUTDOWN	PM 65034393	
	12	Inspection & Calibrate Zero Skip : No calibrate because HRS012 SHUTDOWN	PM 65034410	
	21	Inspection & Calibrate Zero and span Inspection/Analyser Sample gas flow confirm flow rate of 0 Inspection/Drain trap 1, Replace Primary filter element Inspection/Drain trap 1, Replace Primary filter element If the residual pressure is below approximately 1 Mpa Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when OT shutdown in case >0.2% Confirm the temperature of electric cooler	PM 65034421	
	22	Inspection & Calibrate Zero and span Skip : No calibrate because Display Touch Screen not Detect	PM 65034432	

Calibrate and Maintenance Confirmed Emission Monitor				Page 2
Monthly Report				3/8/22
D/N/Y	CE#s	Description	Remark	
12/7/2022	11	Inspection & Calibrate Zero and span Replace Sec filter element (GC-909057000200) Inspection/Analyser Sample gas flow confirm flow rate of 0 Inspection/Drain trap 1, Replace Primary filter element Inspection/Drain trap 1, Replace Primary filter element Inspection/Drain trap 1, Replace Primary filter element If the residual pressure is below approximately 1 Mpa Check the water system drain separator Replace PH filter element 9024000100 Clean filter of cm system (Opacity) Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when OT shutdown in case >0.2% Confirm the temperature of electric cooler	PM 65038433	
	12	Inspection & Calibrate Zero and span Replace Sec filter element (GC-909057000200) Inspection/Analyser Sample gas flow confirm flow rate of 0 Inspection/Drain trap 1, Replace Primary filter element Inspection/Drain trap 1, Replace Primary filter element Inspection/Drain trap 1, Replace Primary filter element If the residual pressure is below approximately 1 Mpa Check the water system drain separator Replace PH filter element 9024000100 Clean filter of cm system (Opacity) Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when OT shutdown in case >0.2% Confirm the temperature of electric cooler	PM 65038450	
	21	Inspection & Calibrate Zero Skip : No calibrate because HRS021 SHUTDOWN	PM 65038467	
	22	Inspection & Calibrate Zero Skip : No calibrate because HRS022 SHUTDOWN	PM 65038478	

Calibrate and Maintenance Confirmed Emission Monitor				Page 3
Monthly Report				3/8/22
D/N/Y	CE#s	Description	Remark	
19/7/2022	11	Inspection & Calibrate Zero Skip : No calibrate because HRS011 SHUTDOWN	PM 65038500	
	12	Inspection & Calibrate Zero Skip : No calibrate because HRS012 SHUTDOWN	PM 65038511	
	21	Inspection & Calibrate Zero and span Replace Sec filter element (GC-909057000200) Inspection/Analyser Sample gas flow confirm flow rate of 0 Inspection/Drain trap 1, Replace Primary filter element Inspection/Drain trap 1, Replace Primary filter element Inspection/Drain trap 1, Replace Primary filter element If the residual pressure is below approximately 1 Mpa Check the water system drain separator Replace PH filter element 9024000100 Clean filter of cm system (Opacity) Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when OT shutdown in case >0.2% Confirm the temperature of electric cooler	PM 65038569	
	22	Inspection & Calibrate Zero and span Skip : No calibrate because Display Touch Screen not Detect	PM 65038582	

Calibrate and Maintenance Confirmed Emission Monitor				Page 4
Monthly Report				3/8/22
D/N/Y	CE#s	Description	Remark	
26/7/2022	11	Inspection & Calibrate Zero and span Inspection/Analyser Sample gas flow confirm flow rate of 0 Inspection/Drain trap 1, Replace Primary filter element Inspection/Drain trap 1, Replace Primary filter element Inspection/Drain trap 1, Replace Primary filter element If the residual pressure is below approximately 1 Mpa Check the water system drain separator Replace PH filter element 9024000100 Clean filter of cm system (Opacity) Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when OT shutdown in case >0.2% Confirm the temperature of electric cooler	PM 65039742	
	12	Inspection & Calibrate Zero and span Inspection/Analyser Sample gas flow confirm flow rate of 0 Inspection/Drain trap 1, Replace Primary filter element Inspection/Drain trap 1, Replace Primary filter element Inspection/Drain trap 1, Replace Primary filter element If the residual pressure is below approximately 1 Mpa Check the water system drain separator Replace PH filter element 9024000100 Clean filter of cm system (Opacity) Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when OT shutdown in case >0.2% Confirm the temperature of electric cooler	PM 65039753	
	21	Inspection & Calibrate Zero Skip : No calibrate because HRS021 SHUTDOWN	PM 65039764	
	22	Inspection & Calibrate Zero Skip : No calibrate because HRS022 SHUTDOWN	PM 65039775	



# STANDARD GAS FOR CEMS REMAINING REPORT

		Aug-22											
		HRS011				HRS012				HRS021			
		Full condition	Expected data	Actual data	Expected data	Actual data	Expected data	Actual data	Expected data	Actual data	Expected data	Actual data	Expected data
		Flow (L/min)	Flow (L/min)	Flow (L/min)	Flow (L/min)	Flow (L/min)	Flow (L/min)	Flow (L/min)	Flow (L/min)	Flow (L/min)	Flow (L/min)	Flow (L/min)	Flow (L/min)
GAS	CO	30	30	30	30	30	30	30	30	30	30	30	30
	CO <sub>2</sub>	30	30	30	30	30	30	30	30	30	30	30	30
	NO <sub>x</sub>	30	30	30	30	30	30	30	30	30	30	30	30
	O <sub>2</sub>	30	30	30	30	30	30	30	30	30	30	30	30
GAS	CO	30	30	30	30	30	30	30	30	30	30	30	30
	CO <sub>2</sub>	30	30	30	30	30	30	30	30	30	30	30	30
	NO <sub>x</sub>	30	30	30	30	30	30	30	30	30	30	30	30
	O <sub>2</sub>	30	30	30	30	30	30	30	30	30	30	30	30

\*Note : Normal Pressure is 2000 PSI  
N2: Calibrate 1 time / 1 week NO<sub>x</sub> NO<sub>2</sub> CO<sub>2</sub> CO<sub>2</sub> : Calibrate 1 time / 2 week \*EPD: Expected date, CN: Cylinder Number, ES: PE Estimated Recorder Due Date  
Spec: Standard Gas, \*CO Gas Flow 31.50 L/min (46213181 14-APR-2020, 46212781 14-APR-2020, 56281218 14-APR-2020)  
\*NO Gas Flow 31 L/min  
\*CO<sub>2</sub> Gas Flow 31 L/min  
\*O<sub>2</sub> Gas Flow 31.50 L/min  
\*O<sub>2</sub> Gas Flow 34 L/min

Recorded By  
( )

Approved By  
( )

Issue date 1-Sep-22

## Report CEM Aug-22

		Fuel Gas					Fuel Oil					Air Control Standard	
		Maximum	Average	Minimum	Note 90		Maximum	Average	Minimum				
		Values	Flow	Values	Values	Values	Values	Flow	Values	Values		Fuel Gas	Fuel Oil
SO <sub>2</sub>	%/m <sup>3</sup>	3.77	22/8/2022 00:00	1,065.03	3.32	2.68	3.68					96	152
NO <sub>x</sub>	%/m <sup>3</sup>	71.79	21/8/2022 10:00	1,535.61	53.63	44.14	62.58					690	690
CO	%/m <sup>3</sup>	6.39	21/8/2022 11:00	957.62	5.38	4.35	6.06						
Opacity	%	3.66	21/8/2022 11:00	897.82	1.53	1.06	2.17						
O <sub>2</sub>	%	13.34	21/8/2022 12:00	960.53	13.70	13.47	13.85						
Flow	1000m <sup>3</sup> /hr	1,535.61	21/8/2022 10:00	1,048.72	829.74	1,229.14							

		Fuel Gas					Fuel Oil					Air Control Standard	
		Maximum	Average	Minimum	Note 90		Maximum	Average	Minimum				
		Values	Flow	Values	Values	Values	Values	Flow	Values	Values		Fuel Gas	Fuel Oil
SO <sub>2</sub>	%/m <sup>3</sup>	2.20	21/8/2022 08:00	837.07	1.43	1.49	1.97					96	152
NO <sub>x</sub>	%/m <sup>3</sup>	61.56	21/8/2022 10:00	1,556.09	48.27	39.99	57.60					690	690
CO	%/m <sup>3</sup>	4.00	21/8/2022 11:00	922.44	3.81	3.52	3.97						
Opacity	%	2.41	21/8/2022 07:00	820.82	1.31	0.70	1.94						
O <sub>2</sub>	%	14.26	21/8/2022 08:00	837.07	13.87	13.54	14.14						
Flow	1000m <sup>3</sup> /hr	1,556.09	21/8/2022 10:00	1,050.17	820.82	1,346.24							

\* Air Control Standard of (EIA)

Recorded By  
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Approved By  
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Report CEM Aug-22

Description		Unit / Hr.	Fuel Gas					Fuel Oil					Air Control Standard	
			Maximum		Average Values	Minimum Values	%ile 90 values	Maximum		Average Values	Minimum Values	Fuel Gas	Fuel Oil	
			Values	Day				Values	Day					
SO <sub>2</sub> %/O <sub>2</sub>	ppm.	-	1/8/2022 00:00	-	-	-	-	-	-	-	-	-	18.88	
NO <sub>x</sub> %/O <sub>2</sub>	ppm.	-	1/8/2022 00:00	-	-	-	-	-	-	-	-	-	96	352
CO %/O <sub>2</sub>	ppm.	-	1/8/2022 00:00	-	-	-	-	-	-	-	-	-	600	600
Opacity	%	-	1/8/2022 00:00	-	-	-	-	-	-	-	-	-		
O <sub>2</sub>	%	-	1/8/2022 00:00	-	-	-	-	-	-	-	-	-		
Flow	1000M <sup>3</sup> /Hr	-	1/8/2022 00:00	-	-	-	-	-	-	-	-	-		

HSG 22		Fuel Gas					Fuel Oil					Air Control Standard		
Description	Unit / Hr.	Maximum		Average Values	Minimum Values	95th % Values	Maximum		Average Values	Minimum Values	Fuel Gas	Fuel Oil	Standard	Standard
		Values	Day				Values	Day						
SO <sub>2</sub> %/O <sub>2</sub>	ppm.	-	1/8/2022 00:00	-	-	-	-	-	-	-	96	152	18.85	
NO <sub>x</sub> %/O <sub>2</sub>	ppm.	-	1/8/2022 00:00	-	-	-	-	-	-	-				
CO %/O <sub>2</sub>	ppm.	-	1/8/2022 00:00	-	-	-	-	-	-	-	600	600		
Opacity	%	-	1/8/2022 00:00	-	-	-	-	-	-	-				
O <sub>2</sub>	%	-	1/8/2022 00:00	-	-	-	-	-	-	-				
Flow	1000M <sup>3</sup> /Hr	-	1/8/2022 00:00	-	-	-	-	-	-	-				

\* Air Control Standard of (EIA)

Recorded By  
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Maintenance Statistic of Environment Protection Equipment

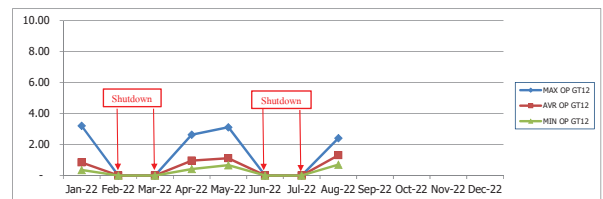
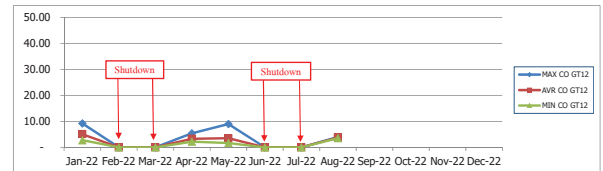
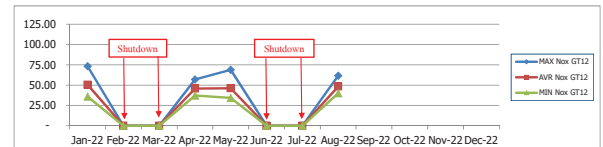
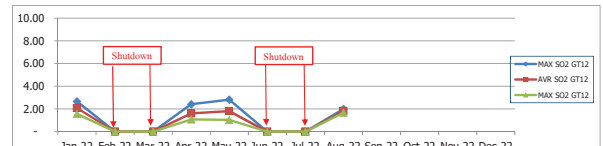
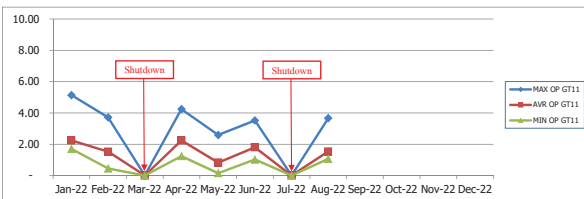
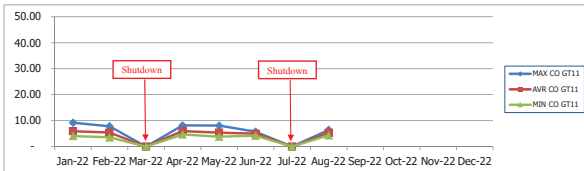
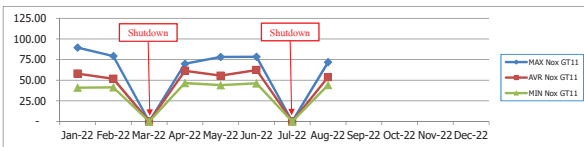
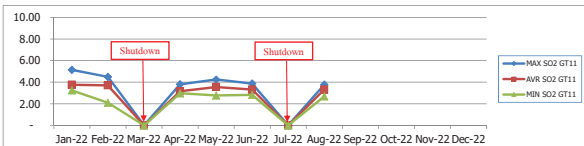
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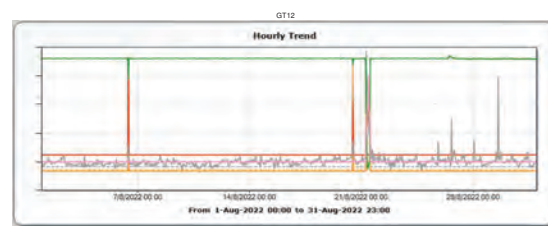
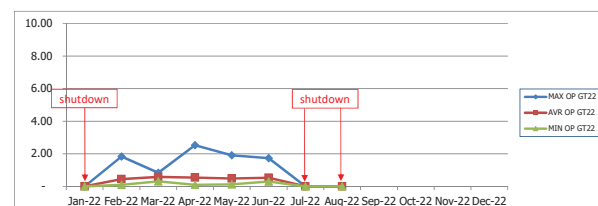
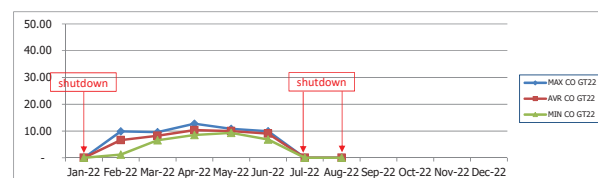
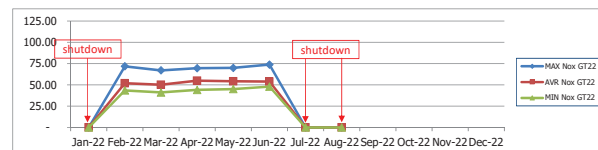
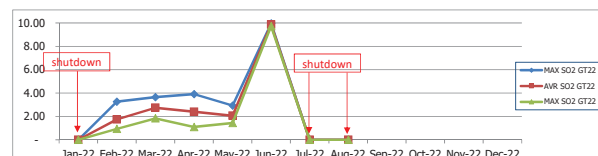
CTMS HRSG011				CTMS HRSG012				CTMS HRSG021				CTMS HRSG022				Waste Water Control			
No. of PM	No. of CM	No. of DM	Standard	No. of PM	No. of CM	No. of DM	Standard	No. of PM	No. of CM	No. of DM	Standard	No. of PM	No. of CM	No. of DM	Standard	No. of PM	No. of CM	No. of DM	Standard
0	-	-	0	0	-	-	0	0	-	-	0	0	-	-	0	0	-	-	0

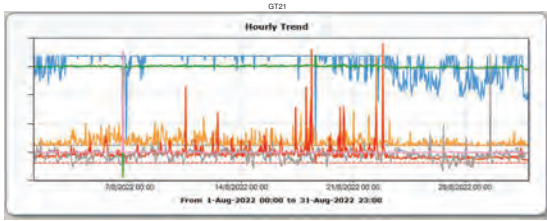
Cause of Failure (No. of Incident)				Cause of Failure (No. of Incident)				Cause of Failure (No. of Incident)				Cause of Failure (No. of Incident)				Cause of Failure (No. of Incident)			
Part Damage	-	-	-	Part Damage	-	-	-	Part Damage	-	-	-	Part Damage	-	-	-	Part Damage	-	-	-
Mis Conditions	-	-	-	Mis Conditions	-	-	-	Mis Conditions	-	-	-	Mis Conditions	-	-	-	Mis Conditions	-	-	-
Human Error	-	-	-	Human Error	-	-	-	Human Error	-	-	-	Human Error	-	-	-	Human Error	-	-	-

Calibration				Calibration				Calibration				Calibration				Calibration			
Zero Error (% of FS)	Span Error (% of FS)	Zero Error (% of FS)	Span Error (% of FS)	Zero Error (% of FS)	Span Error (% of FS)	Zero Error (% of FS)	Span Error (% of FS)	Zero Error (% of FS)	Span Error (% of FS)	Zero Error (% of FS)	Span Error (% of FS)	Zero Error (% of FS)	Span Error (% of FS)	Zero Error (% of FS)	Span Error (% of FS)	As Found	As Left	As Found	As Left
CM1	CM2	CM3	CM4	CM1	CM2	CM3	CM4	CM1	CM2	CM3	CM4	CM1	CM2	CM3	CM4	CM1	CM2	CM3	CM4
Max	-0.00	-0.00	0.25	0.25	Max	-0.00	-0.00	0.00	0.25	Max	-0.00	-0.00	0.25	0.25	Max	-0.00	-0.00	0.25	0.25
Min	-0.00	-0.00	0.25	0.25	Min	-0.00	-0.00	0.00	0.25	Min	-0.00	-0.00	0.25	0.25	Min	-0.00	-0.00	0.25	0.25
Avg	-0.00	-0.00	0.25	0.25	Avg	-0.00	-0.00	0.00	0.25	Avg	-0.00	-0.00	0.25	0.25	Avg	-0.00	-0.00	0.25	0.25
Std	-0.00	-0.00	0.25	0.25	Std	-0.00	-0.00	0.00	0.25	Std	-0.00	-0.00	0.25	0.25	Std	-0.00	-0.00	0.25	0.25
Max	-0.00	-0.00	0.25	0.25	Max	-0.00	-0.00	0.00	0.25	Max	-0.00	-0.00	0.25	0.25	Max	-0.00	-0.00	0.25	0.25
Min	-0.00	-0.00	0.25	0.25	Min	-0.00	-0.00	0.00	0.25	Min	-0.00	-0.00	0.25	0.25	Min	-0.00	-0.00	0.25	0.25
Avg	-0.00	-0.00	0.25	0.25	Avg	-0.00	-0.00	0.00	0.25	Avg	-0.00	-0.00	0.25	0.25	Avg	-0.00	-0.00	0.25	0.25
Std	-0.00	-0.00	0.25	0.25	Std	-0.00	-0.00	0.00	0.25	Std	-0.00	-0.00	0.25	0.25	Std	-0.00	-0.00	0.25	0.25

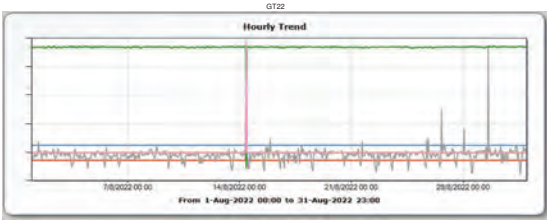
\* As Calibration (Zero Error) = 0.00 / Span Error = 0.25



[illegible]



Tag	Set Point	Axis-Y		Cursor Value	Unit
		Min	Max		
21RCA021_21 - SO2 (% O2)	0	-200	600		ppm
21RCA021_02 - NOx (% O2)	0	-600	600		ppm
21RCA021_01 - CO (% O2)	0	-2000	14000		ppm
21HNE01CO101_A1 - HRS021 EXHAUST GAS OPACITY	0	-0.5	0		%
21CNA00GH001_A4 - HRS021 EXHAUST GAS O2	0	18.5	21.5		%
21HNE01CO100_A1 - HRS021 EXHAUST GAS FLOW	0	-500	800		kWh/hr



Tag	Set Point	Axis-Y		Cursor Value	Unit
		Min	Max		
22RCA022_21 - SO2 (% O2)	0	-200	600		ppm
22RCA022_02 - NOx (% O2)	0	-60	200		ppm
22RCA022_01 - CO (% O2)	0	-2000	12000		ppm
22HNE01CO101_A1 - HRS022 EXHAUST GAS OPACITY	0	-0.5	0		%
22CNA00GH001_A4 - HRS022 EXHAUST GAS O2	0	20	23		%
22HNE01CO100_A1 - HRS022 EXHAUST GAS FLOW	0	-500	800		kWh/hr


Calibrate and Maintenance Continuous Emission Monitor				page 1
Monthly Report				Aug-22
DMV	CE#s	Description	Remark	
2/8/2022	11	Inspection & calibrate Zero Skip : No calibrate because HRS021 SHUTDOWN	PM 65040594	
	12	Inspection & calibrate Zero Skip : No calibrate because HRS022 SHUTDOWN	PM 65040605	
	21	Inspection & calibrate Zero and span Insps.Analyser/Sample gas flow/confirm flow rate of 0 Insps.Sampling System Secondary filter L2 Insps.Drain trap L1/Replace Primary filter element If the residual pressure is below approximately 1 Mpa Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when GT shutdown in case >0.2% Confirm the temperature of electric cooler	PM 65040616	
	22	Inspection & calibrate Zero and span Skip : No calibrate because Display Touch Screen not detect	PM 65040627	

Calibrate and Maintenance Continuous Emission Monitor				page 2
Monthly Report				Aug-22
DMV	CE#s	Description	Remark	
9/8/2022	11	Inspection & calibrate Zero and span Replace Secondary filter element (GC-90) 9057000209 Insps.Analyser/Sample gas flow/confirm flow rate of 0 Insps.Sampling System Secondary filter L2 Insps.Drain trap L1/Replace Primary filter element Insps.Sampling System/Met catcher/Check for dirt If the residual pressure is below approximately 1 Mpa Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when GT shutdown in case >0.2% Confirm the temperature of electric cooler Press the test key and check LED Indicator of smoke Check the Buzzer/Check alarm at CCS of smoke Test smoke detector in shelter every month	PM 65040605	
	12	Inspection & calibrate Zero and span Insps.Analyser/Sample gas flow/confirm flow rate of 0 Insps.Sampling System Secondary filter L2 Insps.Drain trap L1/Replace Primary filter element Insps.Sampling System/Met catcher/Check for dirt If the residual pressure is below approximately 1 Mpa Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when GT shutdown in case >0.2% Confirm the temperature of electric cooler Press the test key and check LED Indicator of smoke Check the Buzzer/Check alarm at CCS of smoke Test smoke detector in shelter every month	PM 65040620	
	21	Inspection & calibrate Zero Skip : No calibrate because HRS021 SHUTDOWN	PM 65040605	
	22	Inspection & calibrate Zero Skip : No calibrate because HRS022 SHUTDOWN	PM 65040606	

Calibrate and Maintenance Continuous Emission Monitor				page 3
Monthly Report				Aug-22
DMV	CE#s	Description	Remark	
16/8/2022	11	Inspection & calibrate Zero Skip : No calibrate because HRS021 SHUTDOWN	PM 65040746	
	12	Inspection & calibrate Zero Skip : No calibrate because HRS022 SHUTDOWN	PM 65040752	
	21	Inspection & calibrate Zero and span Insps.Analyser/Sample gas flow/confirm flow rate of 0 Insps.Sampling System Secondary filter L2 Insps.Drain trap L1/Replace Primary filter element Insps.Sampling System/Met catcher/Check for dirt If the residual pressure is below approximately 1 Mpa Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when GT shutdown in case >0.2% Confirm the temperature of electric cooler Press the test key and check LED Indicator of smoke Check the Buzzer/Check alarm at CCS of smoke Test smoke detector in shelter every month	PM 65040768	
	22	Inspection & calibrate Zero and span Press the test key and check LED Indicator of smoke Check the Buzzer/Check alarm at CCS of smoke Test smoke detector in shelter every month Skip : No calibrate because Display Touch Screen not detect	PM 65040783	

Calibrate and Maintenance Continuous Emission Monitor				page 4
Monthly Report				Aug-22
DMV	CE#s	Description	Remark	
23/8/2022	11	Inspection & calibrate Zero and span Insps.Analyser/Sample gas flow/confirm flow rate of 0 Insps.Sampling System Secondary filter L2 Insps.Drain trap L1/Replace Primary filter element Insps.Sampling System/Met catcher/Check for dirt If the residual pressure is below approximately 1 Mpa Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when GT shutdown in case >0.2% Confirm the temperature of electric cooler Press the test key and check LED Indicator of smoke Check the Buzzer/Check alarm at CCS of smoke Test smoke detector in shelter every month	PM 65040747	
	12	Inspection & calibrate Zero and span Insps.Analyser/Sample gas flow/confirm flow rate of 0 Insps.Sampling System Secondary filter L2 Insps.Drain trap L1/Replace Primary filter element Insps.Sampling System/Met catcher/Check for dirt If the residual pressure is below approximately 1 Mpa Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when GT shutdown in case >0.2% Confirm the temperature of electric cooler Press the test key and check LED Indicator of smoke Check the Buzzer/Check alarm at CCS of smoke Test smoke detector in shelter every month	PM 65040762	
	21	Inspection & calibrate Zero Skip : No calibrate because HRS021 SHUTDOWN	PM 65040749	
	22	Inspection & calibrate Zero Skip : No calibrate because HRS022 SHUTDOWN	PM 65040754	

Calibrate and Maintenance Continuouse Emission Monitor				page 5
Monthly Report				Aug-22
D/M/Y	CEMs	Description	Remark	
30/8/2022	11	Inspection & calibrate Zero Skip : No calibrate because HRSRG11 SHUTDOWN	PM 65046557	
	12	Inspection & calibrate Zero Skip : No calibrate because HRSRG12 SHUTDOWN	PM 65046568	
	21	Inspection & calibrate Zero and span Insp.Analyser;Sample gas flow;confirm flow rate of 0 Insp.Sampling System Secondary filter 1,2 Insp.Drain trap 1;Replace Primary filter element Insp.Sampling System;Mist catcher;Check for dirt If the residual pressure is below approximately 1 Mpa Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when GT shutdown in case >0.2% Confirm the temperature of eletric cooler Replace Silica Gel	PM 65046579	
		Inspection & calibrate Zero and span Skip : No calibrate because Display Touch Screen not : detect	PM 65046590	
	22			

		STANDARD GAS FOR CEMs REMAINING REPORT																Sep-22	
GAS	Full condition	HRSRG 11				HRSRG 12				HRSRG 21				HRSRG 22				TOTAL	
		(PM)	Time	Expected date	Calibrate date	(PM)	Time	Expected date	Calibrate date	(PM)	Time	Expected date	Calibrate date	(PM)	Time	Expected date	Calibrate date		
				Spans Number	Spans Number			Spans Number	Spans Number			Spans Number	Spans Number			Spans Number	Spans Number		
N <sub>2</sub>	30	31	850	22	13.14	13-Dec-22	14-Apr-20	30	17	10.85	13-Dec-22	14-Apr-20	31	17.07	13-Dec-22	14-Apr-20	30	50.07	
NO <sub>2</sub>	30	31	1100	19	17.40	13-Dec-22	14-Apr-20	30	12.4	12.71	13-Dec-22	14-Apr-20	31	13.02	13-Dec-22	14-Apr-20	30	57.18	
CO	30	31	1600	25	24.48	13-Dec-22	14-Apr-20	30	15.25	15.25	13-Dec-22	14-Apr-20	31	15.25	13-Dec-22	14-Apr-20	30	64.86	
O <sub>2</sub>	30	31	500	8	7.78	13-Dec-22	14-Apr-20	30	7.6	7.6	13-Dec-22	14-Apr-20	31	7.6	13-Dec-22	14-Apr-20	30	63.50	
Opacity	30	31	1000%	10	10.00	13-Dec-22	14-Apr-20	30	10.00	10.00	13-Dec-22	14-Apr-20	31	10.00	13-Dec-22	14-Apr-20	30	130.00	

\*Note : Normal Pressure is 2000 PSI.  
N2 Calibrate 1 time / 1 week NOX,SO2,CO,CO2 Calibrate 1 time / 2 week \*EPD:Expiry date, C.N.CY:Order Number, ES PE:Estimated Recorder Date Date  
Span Standard Gas \*N2 Bus Share 31.50 Line (462131EY 14-APR-2030, 462127EY 14-APR-2030, 566292EY 14-APR-2030)  
\*NOx Bus Share 31.1 Line  
\*SO2 Bus Share 31 Line  
\*CO Bus Share 31.50 Line (CL746718 16-NOV-2029, CL746718 16-NOV-2029)  
\*O2 Bus Share 34 Line

Recorded By  
( ហេង ហេង ហេង )

Approved By  
( ហេង ហេង ហេង )

Issue date 4-09-22

Report CEM Sep-22

Description		Fuel Gas					Fuel Oil					Air Control Standard	
		Maximum		Average	Minimum	Note 90 Values	Maximum		Average	Minimum	Fuel Gas	Fuel Oil	
		Values	Day / Flow	Values	Values		Day / Flow	Values	Values				
SO <sub>2</sub> %/O <sub>2</sub>	ppm	-	1/9/2022 00:00	-	-	-	-	-	-	-	-	18.88	
NO <sub>x</sub> %/O <sub>2</sub>	ppm	-	1/9/2022 00:00	-	-	-	-	-	-	-	-	96 152	
CO %/O <sub>2</sub>	ppm	-	1/9/2022 00:00	-	-	-	-	-	-	-	-	690 690	
Opacity %	%	-	1/9/2022 00:00	-	-	-	-	-	-	-	-		
O <sub>2</sub> %	%	-	1/9/2022 00:00	-	-	-	-	-	-	-	-		
Flow	1000m <sup>3</sup> /Hr	-	1/9/2022 00:00	-	-	-	-	-	-	-	-		

HSR5.12		Fuel Gas					Fuel Oil					Air Control	
Description	Unit / V.	Maximum		Average	Minimum	Note 90 Values	Maximum		Average	Minimum	Fuel Gas		Fuel Oil
		Values	Day				Flow	Values			Day	Flow	
SO <sub>2</sub> %/O <sub>2</sub>	ppm	-	1/9/2022 00:00	-	-	-	-	-	-	-	-	18.88	-
NO <sub>x</sub> %/O <sub>2</sub>	ppm	-	1/9/2022 00:00	-	-	-	-	-	-	-	-	96 152	-
CO %/O <sub>2</sub>	ppm	-	1/9/2022 00:00	-	-	-	-	-	-	-	-	690 690	-
Opacity %	%	-	1/9/2022 00:00	-	-	-	-	-	-	-	-	-	-
O <sub>2</sub> %	%	-	1/9/2022 00:00	-	-	-	-	-	-	-	-	-	-
Flow	1000m <sup>3</sup> /Hr	-	1/9/2022 00:00	-	-	-	-	-	-	-	-	-	-

\* Air Control Standard of (EIA)

Recorded By  
( ហេង ហេង ហេង )

Approved By  
( ហេង ហេង ហេង )

Report CEM Sep-22

IRSG 21		Fuel Gas					Fuel Oil					Air Control Standard	
Description	Unit / Hr.	Maximum		Average	Minimum	Note 90 Values	Maximum		Average	Minimum	Fuel Gas	Fuel Oil	
		Values	Day	Flow	Values		Values	Day	Flow	Values			Values
SO <sub>2</sub> %/O <sub>2</sub>	ppm	-	1/9/2022 00:00	-	-	-	-	-	-	-	-	18.88	
NO <sub>x</sub> %/O <sub>2</sub>	ppm	-	1/9/2022 00:00	-	-	-	-	-	-	-	96	152	
CO %/O <sub>2</sub>	ppm	-	1/9/2022 00:00	-	-	-	-	-	-	-	690	690	
Opacity %	%	-	1/9/2022 00:00	-	-	-	-	-	-	-	-	-	
O <sub>2</sub> %	%	-	1/9/2022 00:00	-	-	-	-	-	-	-	-	-	
Flow	1000m <sup>3</sup> /Hr	-	1/9/2022 00:00	-	-	-	-	-	-	-	-	-	

HRS22		Fuel Gas					Fuel Oil					Air Control	
Description	Unit / Hr.	Maximum		Average	Minimum	Note 90 Values	Maximum		Average	Minimum	Fuel Gas	Standard	
		Values	Day	Flow			Values	Day	Flow				Values
SO <sub>2</sub> %/O <sub>2</sub>	ppm	-	1/9/2022 00:00	-	-	-	-	-	-	-	-	18.88	
NO <sub>x</sub> %/O <sub>2</sub>	ppm	-	1/9/2022 00:00	-	-	-	-	-	-	-	96	152	
CO %/O <sub>2</sub>	ppm	-	1/9/2022 00:00	-	-	-	-	-	-	-	690	690	
Opacity %	%	-	1/9/2022 00:00	-	-	-	-	-	-	-	-		
O <sub>2</sub> %	%	-	1/9/2022 00:00	-	-	-	-	-	-	-	-		
Flow	1000m <sup>3</sup> /Hr	-	1/9/2022 00:00	-	-	-	-	-	-	-	-		

\* Air Control Standard of (EIA)

Recorded By  
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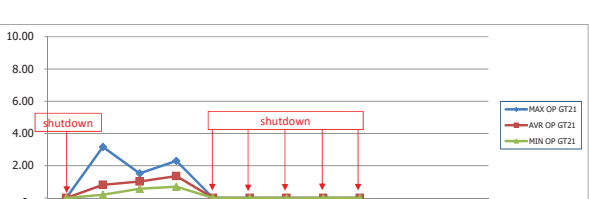
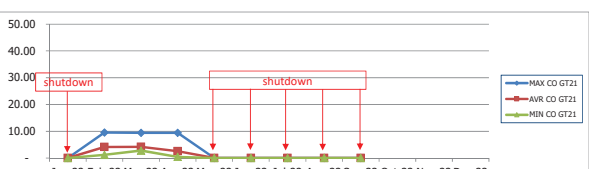
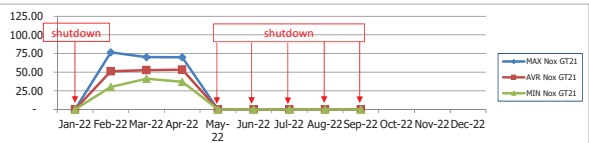
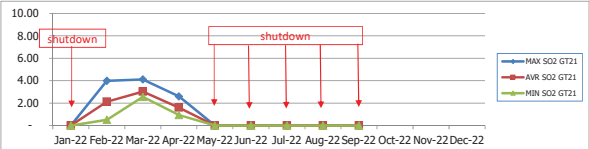
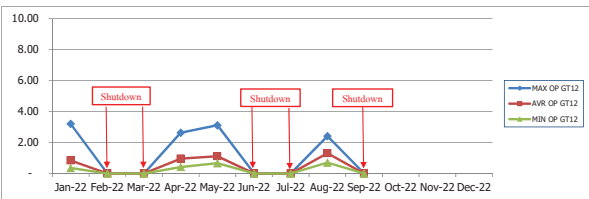
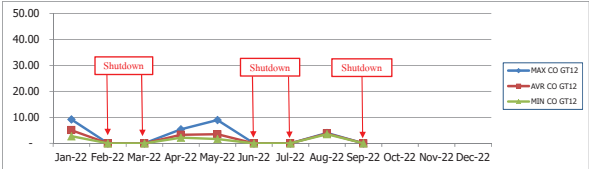
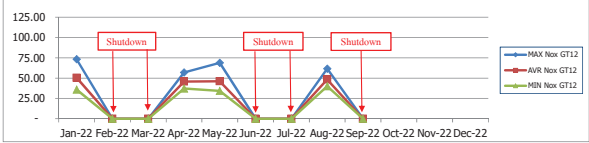
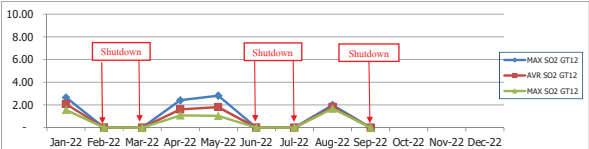
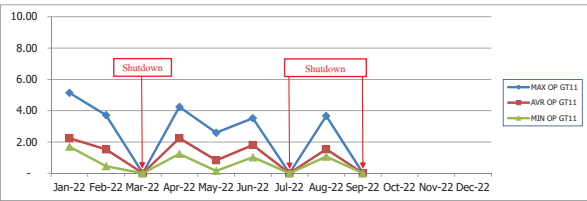
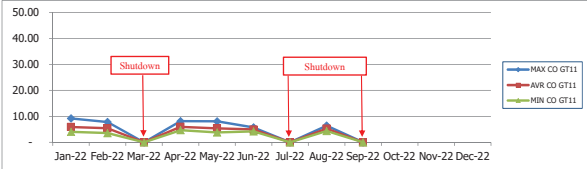
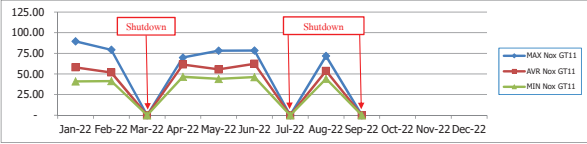
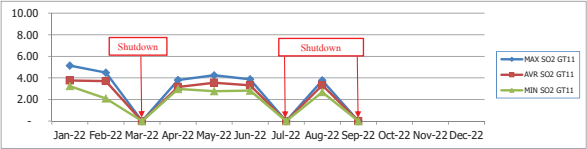
Approved By  
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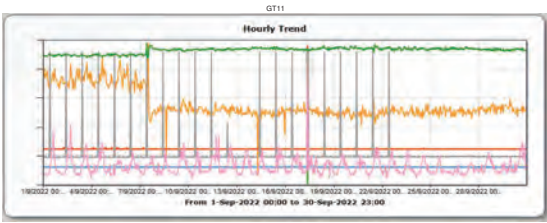
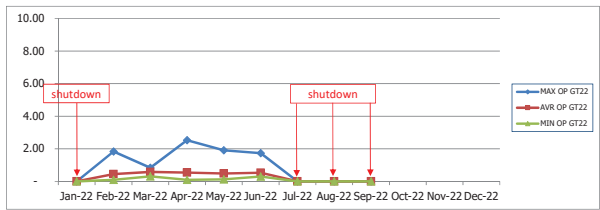
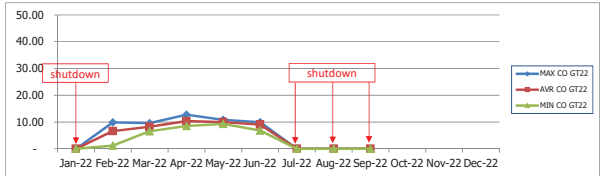
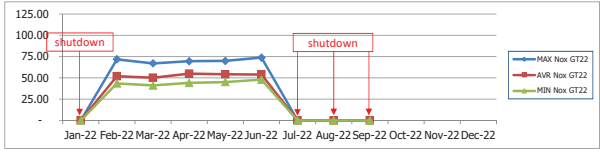
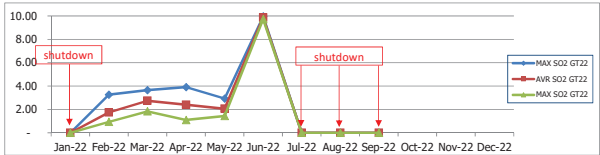
Maintenance Statistic of Environment Protection Equipment

Month: Sep-22

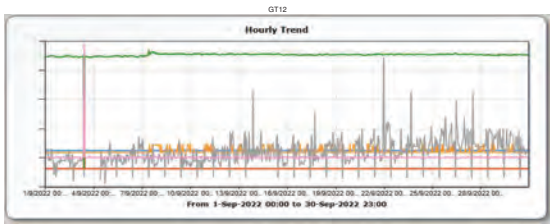
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4	-	-	4	-	-	-	4	-	-	-	4	-	-	-	1	-	-	-	-
Cause of Failure (No. of Incident)				Cause of Failure (No. of Incident)				Cause of Failure (No. of Incident)				Cause of Failure (No. of Incident)				Cause of Failure (No. of Incident)			
Part Damage				-	Part Damage				-	Part Damage				-	Part Damage				-
Site Conditions				-	Site Conditions				-	Site Conditions				-	Site Conditions				-
Human Error				-	Human Error				-	Human Error				-	Human Error				-
Calibration				Calibration				Calibration				Calibration				Calibration			
Zero Error (% of FS)		Span Error (% of FS)		Zero Error (% of FS)		Span Error (% of FS)		Zero Error (% of FS)		Span Error (% of FS)		Zero Error (% of FS)		Span Error (% of FS)		As Found		As Left	
Cal.1	Cal.2	Cal.3	Cal.4	Cal.1	Cal.2	Cal.3	Cal.4	Cal.1	Cal.2	Cal.3	Cal.4	Cal.1	Cal.2	Cal.3	Cal.4	Cal.1	Cal.2	Cal.3	Cal.4
Non	-0.10	-0.00	-0.00	Non	-0.00	-0.10	-0.00	Non	-0.00	-0.00	-0.10	Non	-0.00	-0.00	-0.10	95.30	97.75	95.70	96.00
SO <sub>2</sub>	5022	0.00	-0.20	5047	800	-0.02	-0.13	5040	800	-0.17	-0.13	5040	800	-0.17	-0.13	-	-	-	-
CO	5000	-0.10	-1.00	5000	CO	-0.00	-0.11	5223	CO	-0.00	-0.00	5407	CO	-	-	-	-	-	-
O <sub>2</sub>	-0.13	-0.13	-0.04	0.04	O <sub>2</sub>	1.82	-0.04	2.30	0.08	O <sub>2</sub>	-0.30	-0.04	0.73	0.00	0.02	-	-	-	-
Remark																			

\* (As Calibration Zero Diff. <±1% Span Diff. <±2%)

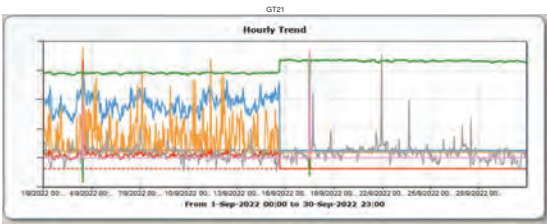




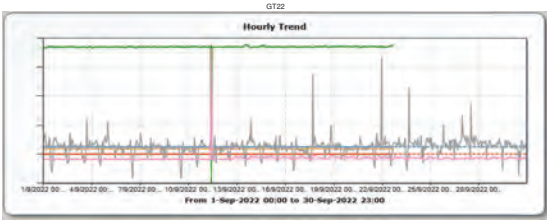
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		Min	Max		
11RCA11_21 - SO2 (% O2)	0	-50	350		ppm
11RCA11_02 - NOx (% O2)	0	-20	14		ppm
11RCA11_31 - CO (% O2)	0	-200	600		ppm
11HNE1CO101 A1 - HRS011 EXHAUST GAS OPACITY	0	-20	80		%
11CNA00GH001 A4 - HRS011 EXHAUST GAS O2	0	18.8	21.2		%
11HNE1CO100 A1 - HRS011 EXHAUST GAS FLOW	0	0	60		KNm3/h



Tag	Set Point	Axis-Y		Cursor Value	Unit
		Min	Max		
12RCA12_21 - SO2 (% O2)	0	-200	600		ppm
12RCA12_02 - NOx (% O2)	0	-20	60		ppm
12RCA12_31 - CO (% O2)	0	-600	2000		ppm
12HNE1CO101 A1 - HRS012 EXHAUST GAS OPACITY	0	-20	14		%
12CNA00GH001 A4 - HRS012 EXHAUST GAS O2	0	18.8	21.2		%
12HNE1CO100 A1 - HRS012 EXHAUST GAS FLOW	0	-200	800		KNm3/h



Tag	Set Point	Axis-Y		Cursor Value	Unit
		Min	Max		
21RCA21_21 - SO2 (% O2)	0	-200	600		ppm
21RCA21_02 - NOx (% O2)	0	-20	60		ppm
21RCA21_31 - CO (% O2)	0	-600	2000		ppm
21HNE1CO101 A1 - HRS021 EXHAUST GAS OPACITY	0	-20	14		%
21CNA00GH001 A4 - HRS021 EXHAUST GAS O2	0	18.8	21.2		%
21HNE1CO100 A1 - HRS021 EXHAUST GAS FLOW	0	-200	800		KNm3/h





Tag	Set Point	Axis Y	Cursor Value	Unit
22RCAIG2_21 - SO2 (% O2)	0	-200	600	ppm
22RCAIG2_02 - NOx (% O2)	0	-20	60	ppm
22RCAIG2_31 - CO (% O2)	0	2000	2000	ppm
22RNEIG0101_A1 - HRSIG2 EXHAUST GAS OPACITY	0	-0.5	1.5	%
22CANOXGH001_A4 - HRSIG2 EXHAUST GAS O2	0	20	23	%
22RNEIG0100_A1 - HRSIG2 EXHAUST GAS FLOW	0	50	250	KNm3/hr

Calibrate and Maintenance Continuous Emission Monitor			Page 1
Monthly Report			Sep-22
DMY	CE%	Description	Remark
		Inspection & calibrate Zero and span Insps.Analyser/Sample gas flow/confirm flow rate of 0 Insps.Sampling System Secondary filter 1,2 Insps.Drain trap 1,Replace Primary filter element Insps.Sampling System/Mit catcher/Check for dirt If the residual pressure is below approximately 1 Mpa Replace Pin filter holder cap 9024000300 Replace Pin filter Element Cap 9024000400 Replace Pin filter Element (GC-90) 9057000200 Insps.Heated tube (piping) and probe Cabinet/Vent filter/clean if dirty replace if deteriorated Replace Pin filter O-ring 9057004700 Replace Pump diaphragm Assembly 9057003300 WCBM-Sampling/Electronic cooler/Clean radiating Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when CT shutdown in case >0.2% Confirm the temperature of electric cooler	PM 65047013
6/9/2022		Inspection & calibrate Zero and span Insps.Analyser/Sample gas flow/confirm flow rate of 0 Insps.Sampling System Secondary filter 1,2 Insps.Drain trap 1,Replace Primary filter element Insps.Sampling System/Mit catcher/Check for dirt If the residual pressure is below approximately 1 Mpa Replace Pin filter holder cap 9024000300 Replace Pin filter Element Cap 9024000400 Replace Pin filter Element (GC-90) 9057000200 Insps.Heated tube (piping) and probe Cabinet/Vent filter/clean if dirty replace if deteriorated Replace Pump diaphragm Assembly 9057003300 WCBM-Sampling/Electronic cooler/Clean radiating Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when OT shutdown in case >0.2% Confirm the temperature of electric cooler	PM 65047032
		Inspection & calibrate Zero Skip : No calibrate because HRSIG21 Shutdown	PM 65051061
		Inspection & calibrate Zero Skip : No calibrate because HRSIG22 Shutdown	PM 65047062

Calibrate and Maintenance Continuous Emission Monitor				page 2
Monthly Report				Sep-22
DMY	CE%	Description	Remark	
		Inspection & calibrate Zero Skip : No calibrate because HRSIG11 Shutdown	PM 65051072	
		Inspection & calibrate Zero Skip : No calibrate because HRSIG12 Shutdown	PM 65051081	
		Inspection & calibrate Zero and span Insps.Analyser/Sample gas flow/confirm flow rate of 0 Insps.Sampling System Secondary filter 1,2 Insps.Drain trap 1,Replace Primary filter element Insps.Sampling System/Mit catcher/Check for dirt If the residual pressure is below approximately 1 Mpa Replace Pin filter holder cap 9024000300 Replace Pin filter Element Cap 9024000400 Replace Pin filter Element (GC-90) 9057000200 Insps.Heated tube (piping) and probe Cabinet/Vent filter/clean if dirty replace if deteriorated Replace Pin filter O-ring 9057004700 Replace Pump diaphragm Assembly 9057003300 WCBM-Sampling/Electronic cooler/Clean radiating Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when OT shutdown in case >0.2% Confirm the temperature of electric cooler	PM 65051094	
13/9/2022		Inspection & calibrate Zero and span Skip : No calibrate because Display Touch Screen not detect	PM 65051113	

Calibrate and Maintenance Continuous Emission Monitor				page 3
Monthly Report				Sep-22
DMY	CE%	Description	Remark	
		Inspection & calibrate Zero and span Insps.Analyser-Sample gas flow/confirm flow rate of 0 Insps.Sampling System Secondary filter 1,2 Insps.Drain trap 1,Replace Primary filter element Insps.Sampling System/Mit catcher/Check for dirt If the residual pressure is below approximately 1 Mpa Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when CT shutdown in case >0.2% Confirm the temperature of electric cooler	PM	65051677
20/09/2022		Inspection & calibrate Zero and span Insps.Analyser-Sample gas flow/confirm flow rate of 0 Insps.Sampling System Secondary filter 1,2 Insps.Drain trap 1,Replace Primary filter element Insps.Sampling System/Mit catcher/Check for dirt If the residual pressure is below approximately 1 Mpa Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when CT shutdown in case >0.2% Confirm the temperature of electric cooler	PM	65051688
		Inspection & calibrate Zero Skip : No calibrate because HRSIG21 Shutdown	PM	65051699
		Inspection & calibrate Zero Skip : No calibrate because HRSIG22 Shutdown	PM	65051710

Calibrate and Maintenance Continuous Emission Monitor				page 4
Monthly Report				Sep-22
DMY	CE%	Description	Remark	
		Inspection & calibrate Zero Skip : No calibrate because HRSIG11 Shutdown	PM 65051690	
		Inspection & calibrate Zero Skip : No calibrate because HRSIG12 Shutdown	PM 65051701	
27/9/2022		Inspection & calibrate Zero and span Insps.Analyser/Sample gas flow/confirm flow rate of 0 Insps.Sampling System Secondary filter 1,2 Insps.Drain trap 1,Replace Primary filter element Insps.Sampling System/Mit catcher/Check for dirt If the residual pressure is below approximately 1 Mpa Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when OT shutdown in case >0.2% Confirm the temperature of electric cooler	PM 65052112	
		Inspection & calibrate Zero and span Skip : No calibrate because in the process of checking this screen	PM 65052113	

		STANDARD GAS FOR CEMs REMAINING REPORT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Full condition		HRSIG 11				HRSIG 12				HRSIG 21				HRSIG 22				TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Gas	Pin	Time	Time	Expected date of calibration	Order status	Pin	Time	Time	Expected date of calibration	Order status	Pin	Time	Time	Expected date of calibration	Order status	Pin	Time	Time	Expected date of calibration	Order status	UNC	UNC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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\*Note : Normal Pressure is 2000 PSI  
 N2: Calibrate 1 time / 1 week NO<sub>x</sub> SO<sub>2</sub> CO/O<sub>2</sub>: Calibrate 1 time / 2 week \*EPD/Expired date, CN/Cylinder Number, ES PE/Estimated Recorder Due Date

Spec: Standard Gas: \*O<sub>2</sub> Gas Flow 31.50 L/hr (46213187 14-APR-2020, 46212767 14-APR-2020, 56262527 14-APR-2020)  
 \*No Gas Flow 31 L/hr  
 \*SO<sub>2</sub> Gas Flow 31 L/hr  
 \*CO Gas Flow 31.50 L/hr (CL746718 16-NOV-2020, CL746713 16-NOV-2020)  
 \*O<sub>2</sub> Gas Flow 34 L/hr

Recorded By: [Signature]  
 Approved By: [Signature]

Issue date: 14-Nov-22



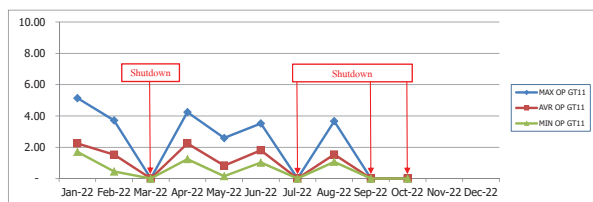
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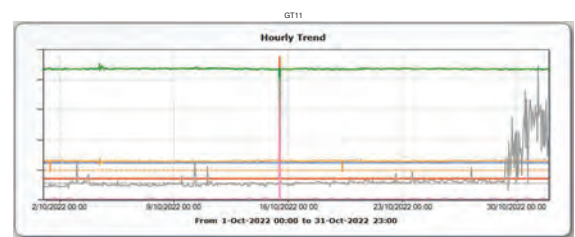
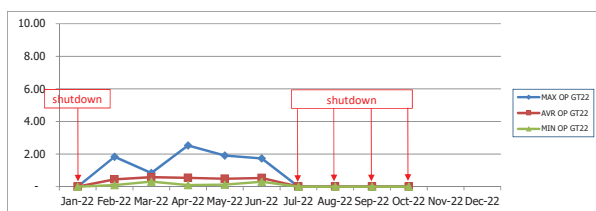
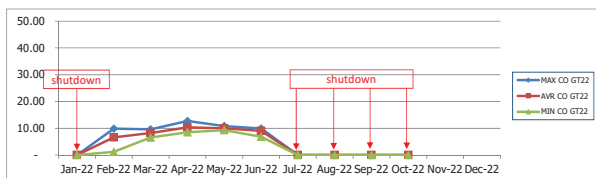
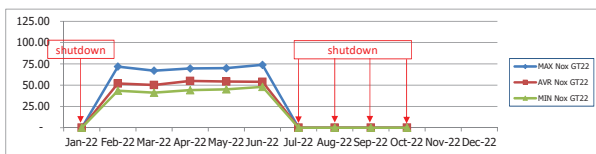
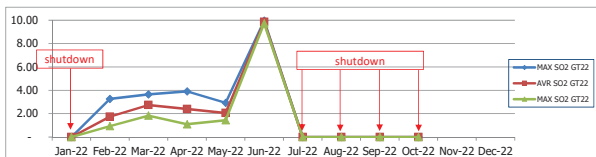
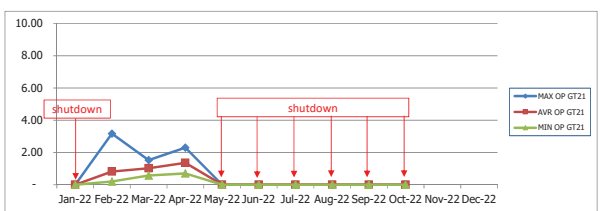
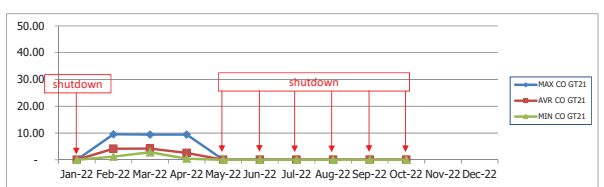
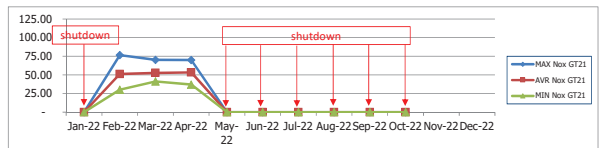
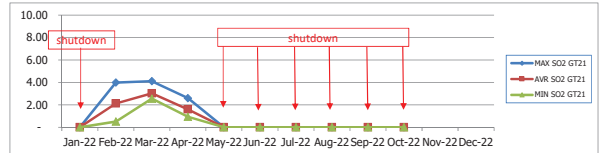
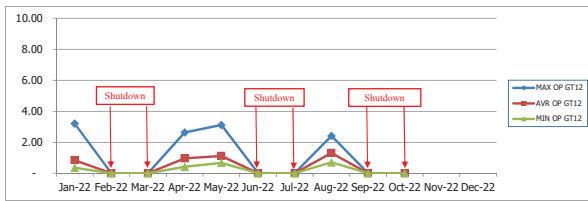
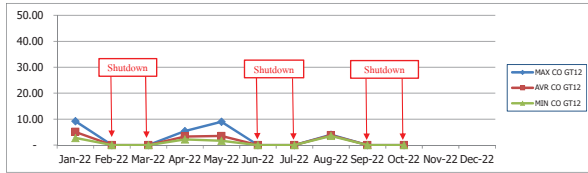
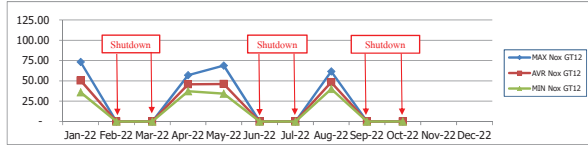
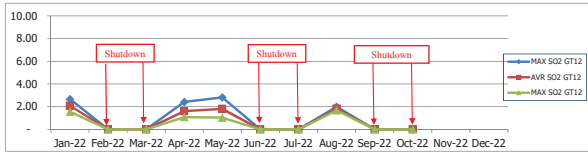
Approved By  
  
 ( นามวสุวัตติ์ สืบตชนนา )

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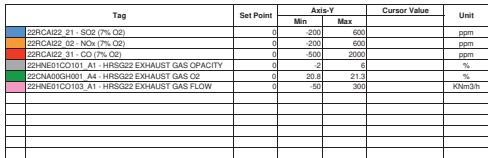
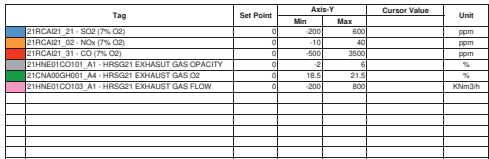
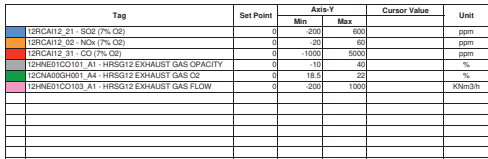
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Approved By  
  
( นาวาสวัสดิ์ สันตนา )

Month: Oct-22\* :Re-Calibrate (Zero Diff  $\geq \pm 1\%$ ) (Span Diff  $\geq \pm 2\%$ )



Tag	Set Point	Axis-Y		Cursor Value	Unit
		Min	Max		
11RCA11_21 - SO2 (% O2)	0	-300	600		ppm
11RCA11_22 - NOx (% O2)	0	20	80		ppm
11RCA11_31 - CO (% O2)	0	-500	3000		ppm
11HNE01CO101 A1 - HRSG11 EXHAUST GAS OPACITY	0	-2	16		%
11CNA000H001 A4 - HRSG11 EXHAUST GAS DE	0	15.5	21.5		%
11HNE01CO103 A1 - HRSG11 EXHAUST GAS FLOW	0	0	1000		KNm3/h



Calibrate and Mass Balance Continuum and Emission Monitor			0902-2
Monthly Report			
DWY#	CD#s	Description	Remark
	1	Inspection & Calibrate Zero	PM
	2	Step 1: No calibrate because HRSIG1 2 shutdown	6/05/1710
	3	Inspection & Calibrate Zero	PM
	4	Step 1: No calibrate because HRSIG2 2 shutdown	6/05/1710
	5	Inspection & Calibrate Zero and gas	
	6	Replace Sampling System Element (CQ-90) 905700200	
	7	Ins. Analyser-Sample gas flow confirm flow rate of 0.5 L/min	
	8	Replace Sampling System Element 1.2	
	9	Ins. Sampling System 1.2 Replace Primary Filter element	
	10	Ins. Sampling System Hot cathode check for drift	6/05/1712
	11	The residual pressure is below atmospheric 1 Hpa	
	12	Check the water system drain	
	13	Check the house air flow measuring system	
	14	Calibration accuracy when OT shutdown in case > 0.2%	
	15	Offline the temperature of the instrument	
	16	Press the test key and check LED indicator of smoke	
	17	Check the buzzer check alarm at 100% O2	
	18	Test smoke detector in shelter every month	
	19	Inspection, Zero and gas	
	20	Replace Sampling System Element (CQ-90) 905700200	
	21	Ins. Analyser-Sample gas flow confirm flow rate of 0.5 L/min	
	22	Ins. Sampling System Element 1.2	
	23	Ins. Sampling System 1.2 Replace Primary Filter element	
	24	Ins. Sampling System Hot cathode check for drift	6/05/1712
	25	The residual pressure is below atmospheric 1 Hpa	
	26	Check the water system drain	
	27	Check the house air flow measuring system	
	28	Calibration accuracy when OT shutdown in case > 0.2%	
	29	Offline the temperature of the instrument	
	30	Press the test key and check LED indicator of smoke	
	31	Check the buzzer check alarm at 100% O2	
	32	Test smoke detector in shelter every month	
	33	Replace Filter holder cap 904000000	
	34	Replace Filter Element Cap 904000000	
	35	Replace Filter or ring 905700200	
	36	Replace Pump diaphragm Assembly 905700300	
	37	Replace Silica Gel	
	38	Replace Silica Gel element (PS-5) 905700300	

Calibration and Maintenance Continuous Emission Monitoring				page 4
Monthly Report				
CUMY	CER#	Description	Remark	QC-22
	11	Inspection & calibration Zero Skip : No calibrate because HSG121 Shutdown		PM E5505821
	12	Inspection & calibration Zero Skip : No calibrate because HSG121 Shutdown		PM E5505819
	13	Inspection & calibration Zero and span Analyzer: Sample gas flow rate out of range Flow rate of 0 Trip-Sampling System/Interp catheter/Check for dist Trip- Drain line : /Reactor Pressure too element Insip-Sampling System/HEt catheter/Check for dist Check the residual pressure before measuring system Check the water system drain separator Calibration operation when GT shutdown in case >0.2% from the measurement of static gas		PM E5505845
26/10/2022		Inspection & calibration Zero and span Analyzer: Sample gas flow rate out of range Flow rate of 0 Trip-Sampling System/Interp catheter/Check for dist Trip- Drain line : /Reactor Pressure too element Insip-Sampling System/HEt catheter/Check for dist Check the residual pressure before measuring system Check the water system drain separator Calibration operation when GT shutdown in case >0.2% from the measurement of static gas		PM E5505856

\*Note : Normal Pressure is 2000 PSI  
N2: Calibrate 1 time / 1 week    MOX: S02, CO/CO2 : Calibrate 1 time / 2 week    \*EPD:Expired date, CN/Cylinder Number, ES FE:Estimated Recorder Dur Date

Spans Standard Gas	*N2 Has Store 31.50 Ltr	(602131HY 14-APR-2010, 6021297Y 14-APR-2010, 5620952Y 14-APR-2010)
	*N10s Has Store 31 Ltr	
	*S02 Has Store 31 Ltr	
	*CO Has Store 31.50 Ltr	(CC7460718 16-NOV-2010, CC7460715 16-NOV-2010)
	*O2 Has Store 34 Ltr	

Recorded By  Approved By   
 ( นนทพงศ์ นนทพงศ์ ) ( นนทพงศ์ นนทพงศ์ )  
 Issue date 5-Dec-22

Report CEM Nov-22																
HRS21																
Description	Unit / Hr.	Fuel Gas						Fuel Oil						Air Control		
		Maximum		Average	Minimum	N/A	N/A	Maximum		Average	Minimum	N/A	N/A	Fuel Gas	Fuel Oil	
		Values	Day					Flow	Values							Day
SO <sub>2</sub> /H <sub>2</sub> O <sub>2</sub>	ppm.	2.58	30/11/2022 11:00	1,123.86	1.83	0.88	2.16									18.88
NO <sub>x</sub> /H <sub>2</sub> O <sub>2</sub>	ppm.	69.56	27/11/2022 06:00	1,677.06	52.22	45.57	54.69							96	132	
CO /H <sub>2</sub> O <sub>2</sub>	ppm.	3.64	30/11/2022 06:00	807.05	4.27	2.26	6.32							690	600	
Density	%	2.41	29/11/2022 00:00	949.20	1.85	0.94	2.21									
O <sub>2</sub>	%	13.96	27/11/2022 06:00	838.64	13.75	13.53	13.51									
Flow	10000/Hr	1,696.98	27/11/2022 08:00		1,037.53	818.53	1,116.42									

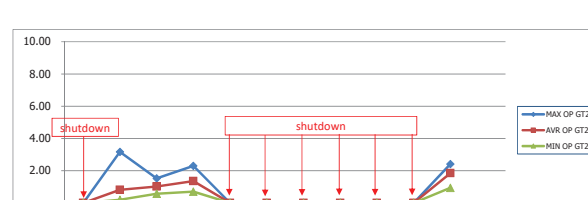
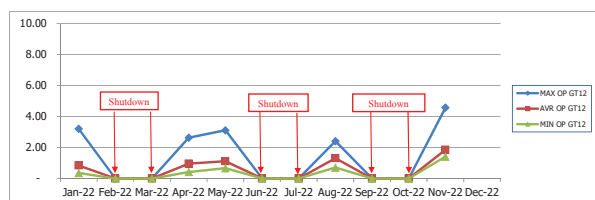
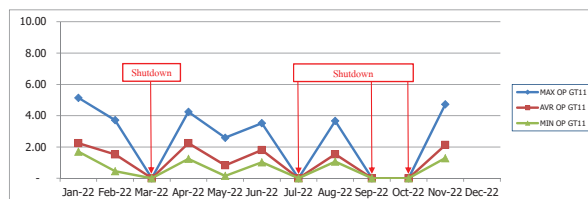
HRS22																
Description	Unit / Hr.	Fuel Gas						Fuel Oil						Air Control		
		Maximum		Average	Minimum	N/A	N/A	Maximum		Average	Minimum	N/A	N/A	Fuel Gas	Fuel Oil	
		Values	Day					Flow	Values							Day
SO <sub>2</sub> /H <sub>2</sub> O <sub>2</sub>	ppm.	3.90	28/11/2022 17:00	1,141.48	1.52	0.01	2.63									18.88
NO <sub>x</sub> /H <sub>2</sub> O <sub>2</sub>	ppm.	64.94	27/11/2022 03:00	880.78	52.48	44.96	55.79							96	132	
CO /H <sub>2</sub> O <sub>2</sub>	ppm.	6.98	30/11/2022 02:00	1,041.02	8.57	6.04	9.48							690	600	
Density	%	2.25	27/11/2022 04:00	880.78	0.92	0.34	1.22									
O <sub>2</sub>	%	13.83	30/11/2022 04:00	910.54	13.57	13.31	13.75									
Flow	10000/Hr	1,266.91	27/11/2022 06:00		1,088.67	855.15	1,205.66									

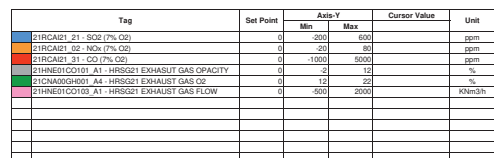
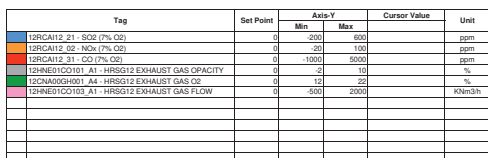
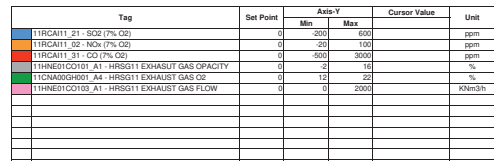
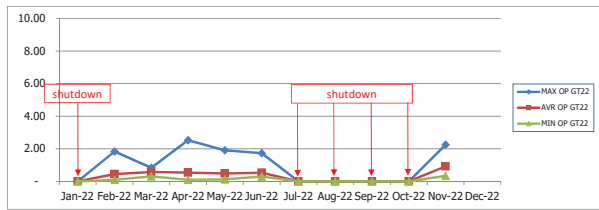
\* Air Control Standard of (EIA)

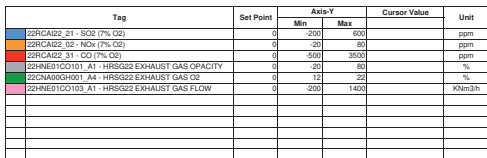
Recorded By  Approved By   
( นานาวัตตนา มนต์เพ็ชร ) ( นานาวัตตนา มนต์เพ็ชร )

\* Air Control Standard of (EIA)

Recorded By	Approved By
 ( มาฉว๋ยยัง มาฉว๋ยยัง )	 ( มาฉว๋ยหง มาฉว๋ยหง )

\* Re-Calibrate (Zero Diff. > ±1%) (Span Diff. > ±2%)





Calibrate and Maintenance Continuous Emission Monitor				page 4
Monthly Report				
DUMPY	CER#	Description	Remark	Nov-22
		Inspection & Zeroize		
		Slip : No - calibrate because HSG11 Shutdown	PM	6506498
		Inspection & Calibrate Zero		
		Slip : No - calibrate because HSG12 Shutdown	PM	6506502
		Inspection & Calibrate Zero and Slip		
		Analyzer Sample gas flow (m3/min) 100 Flow rate of 0		
		Insip-Sampling System Secondary L2		
		Slip : Draw 1st : 1.6sec Primary Flow rate	PM	6506501
		Insip-Sampling System/Hot catcher/Check for dip		
		If the residual pressure is 0.1 bar or more, 1 dip		
22/11/2022		Check the hose dip insulator checking for dip		
		Calibration quality when dip 0.25% or less		
		Calibrate the temperature of dip air cooler		
		Inspection & Calibrate Zero and Slip		
		Analyzer Sample gas flow (m3/min) 100 Flow rate of 0		
		Insip-Sampling System Secondary L2		
		Slip : Draw 1st : 1.6sec Primary Flow rate	PM	6506504
		Insip-Sampling System/Hot catcher/Check for dip		
		If the residual pressure is 0.1 bar or more, 1 dip		
		Check the hose water system drain cap		
		Check the hose dip insulator system		
		Calibration quality when dip 0.25% or less		
		Calibrate the temperature of dip air cooler		

[illegible]

Calibrate and Maintenance Continuous Emission Monitor				page 5
Monthly Report				
DUPY	CENR	Description	Remark	
		Inspection & calibrate zero and span		
		Insps/Analyse/Single gas flow rate of 1.2 lps		PM
		Insps/Sampling System/Filter element (3.0)		
		Insps/Drain 10 l/ Replace Primary filter element		
		Insps/Sampling System/Mist catcher/ check for dirt		
		If the residual pressure is below approximately 1 Mpa		
		Insps/Filter Element Code: CAS 900-040000		65065699
		Insps/Checked hose (gassing) and parts		
		Cabinet-Vent/Filter-clean if dirty replace if deteriorated		
		Insps/Check the flow element (IC 90020000)		
		Check the water system drain pressure		
		Insps/Calibration operation when GT shutdown in case >=20%		
		Confirm the temperature of electric cooler		
		Inspection & calibrate zero and span		
		Insps/Analyse/Single gas flow rate/flow rate of 1.2 lps		
		Insps/Sampling System/Filter element (3.0)		PM
		Insps/Drain 10 l/ Replace Primary filter element		
		Insps/Sampling System/Mist catcher/ check for dirt		
		If the residual pressure is below approximately 1 Mpa		
		Insps/Filter Element Code: CAS 900-040000		65065715
		Insps/Checked hose (gassing) and parts		
		Cabinet-Vent/Filter-clean if dirty replace if deteriorated		
		Insps/Check the flow element (IC 90020000)		
		Check the water system drain pressure		
		Insps/Calibration operation when GT shutdown in case >=20%		
		Confirm the temperature of electric cooler		
		Inspection & calibrate zero		
		Insps/Analyse/Single gas flow/Confirm the flow rate of 1.2 lps		
		Insps/Sampling System/Filter element (3.0)		PM
		Insps/Drain 10 l/ Replace Primary filter element		
		Insps/Sampling System/Mist catcher/ check for dirt		
		If the residual pressure is below approximately 1 Mpa		
		Insps/Check the water system drain pressure		
		Check the hose and inflow measurement system		
		Insps/Calibration operation when GT shutdown in case >=20%		65065731
		Confirm the temperature of electric cooler		
		Inspection & calibrate zero		
		Skp/ No calibrate because HRS222 NOT/TCOM		PM



STANDARD GAS FOR CEMs REMAINING REPORT

		Dec-22																							
GAS	Full condition	HRSG 11					HRSG 12					HRSG 21					HRSG 22					TOTAL			
		Date		Time		Spent Standard gas	Date		Time		Spent Standard gas	Date		Time		Spent Standard gas	Date		Time		Spent Standard gas				
		PM	Time	Lib	Lib		PM	Time	Lib	Lib		PM	Time	Lib	Lib		PM	Time	Lib	Lib					
N <sub>2</sub>	2000	05	31	750	15	11:00	05	31	750	15	11:00	05	31	750	15	11:00	05	31	750	15	11:00	05	31	750	15
SO <sub>2</sub>	2000	05	31	1000	15	10:00	05	31	1000	15	10:00	05	31	1000	15	10:00	05	31	1000	15	10:00	05	31	1000	15
NO <sub>x</sub>	2000	05	31	1000	15	10:00	05	31	1000	15	10:00	05	31	1000	15	10:00	05	31	1000	15	10:00	05	31	1000	15
CO	2000	05	31	1000	15	10:00	05	31	1000	15	10:00	05	31	1000	15	10:00	05	31	1000	15	10:00	05	31	1000	15
Opacity	2000	05	31	1000	15	10:00	05	31	1000	15	10:00	05	31	1000	15	10:00	05	31	1000	15	10:00	05	31	1000	15
O <sub>2</sub>	2000	05	31	1000	15	10:00	05	31	1000	15	10:00	05	31	1000	15	10:00	05	31	1000	15	10:00	05	31	1000	15
Flow	2000	05	31	1000	15	10:00	05	31	1000	15	10:00	05	31	1000	15	10:00	05	31	1000	15	10:00	05	31	1000	15

\*Note : Normal Pressure is 2000 PSI  
N<sub>2</sub>: Calibrate 1 time / 1 week NO<sub>x</sub>, SO<sub>2</sub>, CO, O<sub>2</sub>: Calibrate 1 time / 2 week \*EPD: Exposed date, C/N/C: Cylinder Number, ES PE: Estimated Recorder Date Date  
Spent Standard Gas \*N<sub>2</sub> Bus Store 31.50 Lib (462131EV 14-APR-2020, 462127NY 14-APR-2020, 566292Y 14-APR-2020)  
\*N<sub>2</sub> Bus Store 31 Lib  
\*SO<sub>2</sub> Bus Store 31 Lib  
\*CO Bus Store 31.50 Lib (CCT46718 16-NOV-2020, CCT466718 16-NOV-2020)  
\*O<sub>2</sub> Bus Store 31 Lib

Recorded By  
( ហេង ហ៊ុន ហ៊ុន )

Approved By  
( ហេង ហ៊ុន ហ៊ុន )

Issue date: 1-Jan-23

Report CEM Dec-22

Description	Unit / Hr.	Fuel Gas					Fuel Oil					Air Control	
		Maximum		Average		Minimum	Maximum		Average		Minimum	Standard	Fuel Oil
		Values	Day	Flow	Values		Values	Day	Flow	Values			
SO <sub>2</sub> %/O <sub>2</sub>	ppm	-	1/12/2022 00:00	-	-	-	-	1/12/2022 00:00	-	-	-	96	152
NO <sub>x</sub> %/O <sub>2</sub>	ppm	-	1/12/2022 00:00	-	-	-	-	1/12/2022 00:00	-	-	-	690	690
CO %/O <sub>2</sub>	ppm	-	1/12/2022 00:00	-	-	-	-	1/12/2022 00:00	-	-	-	-	-
Opacity	%	-	1/12/2022 00:00	-	-	-	-	1/12/2022 00:00	-	-	-	-	-
O <sub>2</sub>	%	-	1/12/2022 00:00	-	-	-	-	1/12/2022 00:00	-	-	-	-	-
Flow	1000M <sup>3</sup> /Hr	-	1/12/2022 00:00	-	-	-	-	1/12/2022 00:00	-	-	-	-	-

Description	Unit / Hr.	Fuel Gas					Fuel Oil					Air Control	
		Maximum		Average		Minimum	Maximum		Average		Minimum	Standard	Fuel Oil
		Values	Day	Flow	Values		Values	Day	Flow	Values			
SO <sub>2</sub> %/O <sub>2</sub>	ppm	-	1/12/2022 00:00	-	-	-	-	1/12/2022 00:00	-	-	-	96	152
NO <sub>x</sub> %/O <sub>2</sub>	ppm	-	1/12/2022 00:00	-	-	-	-	1/12/2022 00:00	-	-	-	690	690
CO %/O <sub>2</sub>	ppm	-	1/12/2022 00:00	-	-	-	-	1/12/2022 00:00	-	-	-	-	-
Opacity	%	-	1/12/2022 00:00	-	-	-	-	1/12/2022 00:00	-	-	-	-	-
O <sub>2</sub>	%	-	1/12/2022 00:00	-	-	-	-	1/12/2022 00:00	-	-	-	-	-
Flow	1000M <sup>3</sup> /Hr	-	1/12/2022 00:00	-	-	-	-	1/12/2022 00:00	-	-	-	-	-

\* Air Control Standard of (EIA)

Recorded By  
( ហេង ហ៊ុន ហ៊ុន )

Approved By  
( ហេង ហ៊ុន ហ៊ុន )

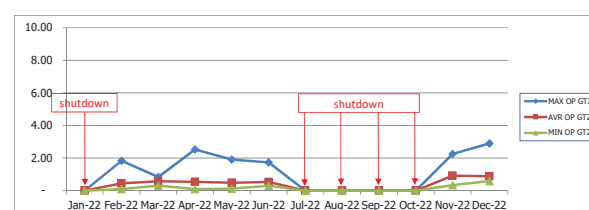
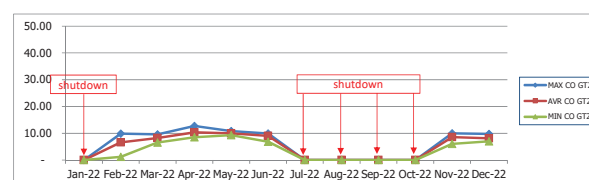
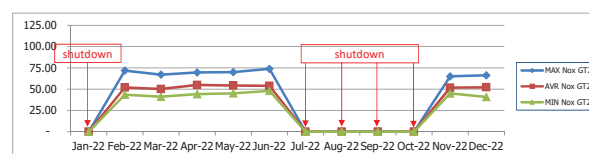
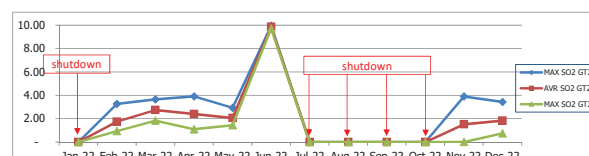
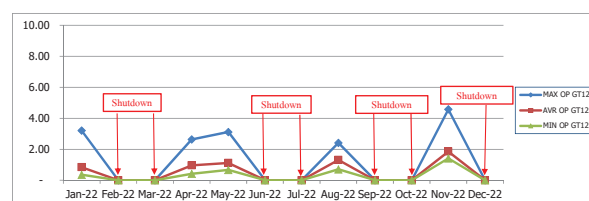
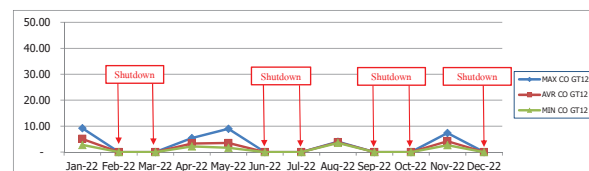
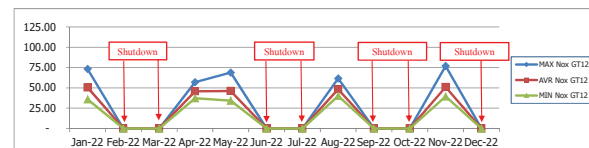
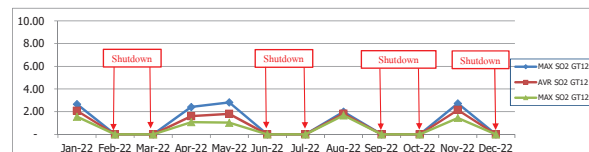
Maintenance Statistic of Environment Protection Equipment

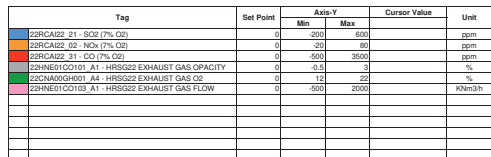
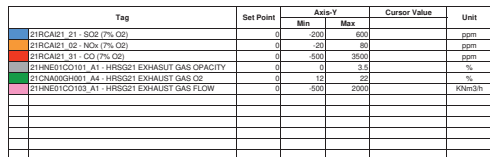
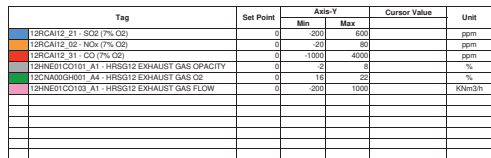
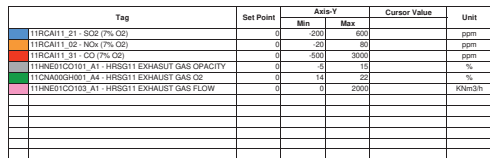
Month: Dec-22

CEMS HRSG11		CEMS HRSG12					CEMS HRSG21					CEMS HRSG22					Waste Water Control		
No. of PM	No. of CM	No. of DM	No. of Exceed Standard	No. of Exceed Standard	No. of Exceed Standard	No. of Exceed Standard	No. of CM	No. of DM	No. of Exceed Standard	No. of Exceed Standard	No. of Exceed Standard	No. of CM	No. of DM	No. of Exceed Standard	No. of Exceed Standard	No. of Exceed Standard	No. of CM	No. of DM	No. of Exceed Standard
4	-	-	4	-	-	-	4	-	-	-	-	4	-	-	-	-	1	-	-
Cause of Failure (No. of Incident)		Cause of Failure (No. of Incident)					Cause of Failure (No. of Incident)					Cause of Failure (No. of Incident)					Cause of Failure (No. of Incident)		
Part Damage	-	-	Part Damage	-	-	-	Part Damage	-	-	-	-	Part Damage	-	-	-	-	Part Damage	-	-
Site Conditions	-	-	Site Conditions	-	-	-	Site Conditions	-	-	-	-	Site Conditions	-	-	-	-	Site Conditions	-	-
Human Error	-	-	Human Error	-	-	-	Human Error	-	-	-	-	Human Error	-	-	-	-	Human Error	-	-
Calibration		Calibration					Calibration					Calibration					Calibration		
Zero Error (% of FS)		Zero Error (% of FS)					Zero Error (% of FS)					Zero Error (% of FS)					Zero Error (% of FS)		
Span Error (% of FS)		Span Error (% of FS)					Span Error (% of FS)					Span Error (% of FS)					Span Error (% of FS)		
Cal1	Cal2	Cal3	Cal4	Cal5	Cal6	Cal7	Cal8	Cal9	Cal10	Cal11	Cal12	Cal13	Cal14	Cal15	Cal16	Cal17	Cal18	Cal19	Cal20
Non	-	-0.08	-	-0.08	0.30	0.08	Non	-	-0.02	0.01	1.65	Non	-	-0.02	-	-0.06	-	0.33	0.08
Non	-	0.00	-	0.02	0.30	0.01	Non	-	-0.02	0.01	1.65	Non	-	-0.02	-	-0.06	-	0.33	0.08
CO	-	0.00	-	0.00	0.41	0.72	CO	-	0.00	-	0.00	0.11	0.22	CO	0.00	-	0.00	-	0.00
O2	-	0.04	-	0.04	0.04	0.13	O2	-	0.04	-	0.04	0.04	0.04	02	0.43	-	0.30	-	0.30
Flow	-	0.04	-	0.04	0.04	0.13	Flow	-	0.04	-	0.04	0.04	0.04	02	0.43	-	0.30	-	0.30

\* -Re Calibrate (Zero Error >=1%)(Span Error >=2%)







Calibrate and Maintenance Continuous Emission Monitor				Page 1
Monthly Report			Dec-22	
D/M/Y	CEMs	Description	Remark	
6/12/2022	11	Inspection & calibrate Zero Skip : No calibrate because HRS011 Shutdown	PM 65070131	
	12	Inspection & calibrate Zero Skip : No calibrate because HRS012 Shutdown	PM 65064907	
	21	Inspection & calibrate Zero and span Insp.Analyser:Sample gas flow:confirm flow rate of 0 Insp.Sampling System Secondary filter 1,2 Insp.Drain trap 1,Replace Primary filter element Insp.Sampling System/Mat catcher:Check for det If the residual pressure is below approximately 1 Mpa Check the water system drain separator Replace PH Filter Holder Cap 9024000300 Replace PH Filter Element Cap 9024000400 Insp.Hashed tube (spring) and probe Cabinet/Vent Filter:clean if dirty replace if deteriorated Replace Soc filter element (GC-0639057000300) Check the hose dew inflow measuring system Calibration opacity when GT shutdown in case >0.2% Confirm the temperature of electric cooler	PM 65064413	
	22	Inspection & calibrate Zero and span Insp.Analyser:Sample gas flow:confirm flow rate of 0 Insp.Sampling System Secondary filter 1,2 Insp.Drain trap 1,Replace Primary filter element Insp.Sampling System/Mat catcher:Check for det If the residual pressure is below approximately 1 Mpa Check the hose dew inflow measuring system Calibration opacity when GT shutdown in case >0.2% Confirm the temperature of electric cooler	PM 65064429	

Calibrate and Maintenance Continuous Emission Monitor				Page 2
Monthly Report			Dec-22	
D/M/Y	CEMs	Description	Remark	
13/12/2022	11	Inspection & calibrate Zero and span Insp.Analyser:Sample gas flow:confirm flow rate of 0 Insp.Sampling System Secondary filter 1,2 Insp.Drain trap 1,Replace Primary filter element Insp.Sampling System/Mat catcher:Check for det If the residual pressure is below approximately 1 Mpa Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when GT shutdown in case >0.2% Confirm the temperature of electric cooler	PM 65070117	
	12	Inspection & calibrate Zero and span Insp.Analyser:Sample gas flow:confirm flow rate of 0 Insp.Sampling System Secondary filter 1,2 Insp.Drain trap 1,Replace Primary filter element Insp.Sampling System/Mat catcher:Check for det If the residual pressure is below approximately 1 Mpa Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when GT shutdown in case >0.2% Confirm the temperature of electric cooler	PM 65070128	
	21	Inspection & calibrate Zero Skip : No calibrate because HRS021 Shutdown	PM 65070119	
	22	Inspection & calibrate Zero Skip : No calibrate because HRS022 Shutdown	PM 65070130	

Calibrate and Maintenance Continuous Emission Monitor				Page 3
Monthly Report			Dec-22	
D/M/Y	CEMs	Description	Remark	
20/12/2022	11	Inspection & calibrate Zero Skip : No calibrate because HRS011 Shutdown	PM 65070131	
	12	Inspection & calibrate Zero Skip : No calibrate because HRS012 Shutdown	PM 65070142	
	21	Inspection & calibrate Zero and span Insp.Analyser:Sample gas flow:confirm flow rate of 0 Insp.Sampling System Secondary filter 1,2 Insp.Drain trap 1,Replace Primary filter element Insp.Sampling System/Mat catcher:Check for det If the residual pressure is below approximately 1 Mpa Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when GT shutdown in case >0.2% Confirm the temperature of electric cooler	PM 65070153	
	22	Inspection & calibrate Zero and span Insp.Analyser:Sample gas flow:confirm flow rate of 0 Insp.Sampling System Secondary filter 1,2 Insp.Drain trap 1,Replace Primary filter element Insp.Sampling System/Mat catcher:Check for det If the residual pressure is below approximately 1 Mpa Check the water system drain separator Check the hose dew inflow measuring system Calibration opacity when GT shutdown in case >0.2% Confirm the temperature of electric cooler	PM 65070164	

Calibrate and Maintenance Continuous Emission Monitor				Page 4
Monthly Report			Dec-22	
D/M/Y	CEMs	Description	Remark	
27/12/2022	11	Inspection & calibrate Zero and span Replace Soc filter element (GC-0639057000300) Insp.Analyser:Sample gas flow:confirm flow rate of 0 Insp.Sampling System Secondary filter 1,2 Insp.Drain trap 1,Replace Primary filter element Insp.Sampling System/Mat catcher:Check for det If the residual pressure is below approximately 1 Mpa Replace Soc filter element (PA-0,39057000300) Replace Mat Catcher (HC-05040057003300) Check the water system drain separator Replace PH filter element 9024000100 Clean filter of cem system (Dapachy) Check the hose dew inflow measuring system Calibration opacity when GT shutdown in case >0.2% Confirm the temperature of electric cooler	PM 65071413	
	12	Inspection & calibrate Zero and span Replace Soc filter element (GC-0639057000300) Insp.Analyser:Sample gas flow:confirm flow rate of 0 Insp.Sampling System Secondary filter 1,2 Insp.Drain trap 1,Replace Primary filter element Insp.Sampling System/Mat catcher:Check for det If the residual pressure is below approximately 1 Mpa Replace Soc filter element (PA-0,39057000300) Replace PH filter element (HC-05040057003300) Clean filter of cem system (Dapachy) Check the water system drain separator Calibration opacity when GT shutdown in case >0.2% Confirm the temperature of electric cooler	PM 65071430	
	21	Inspection & calibrate Zero Skip : No calibrate because HRS021 SHUTDOWN	PM 65071452	
	22	Inspection & calibrate Zero Skip : No calibrate because CEMs Analyser not responding to standard gas	PM 65071447	

## ภาคผนวก จ-2

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ผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง  
(AQMS)



บริษัท ราชบุรีเพาวเวอร์ จำกัด  
Ratchaburi Power Co., Ltd.

รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง  
โรงไฟฟ้า บริษัท ราชบุรีเพาวเวอร์ จำกัด

ประจำเดือนกรกฎาคม 2565

เสนอต่อ

บริษัท ราชบุรีเพาวเวอร์ จำกัด

โดย

ฝ่ายสิ่งแวดล้อมโครงการ

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง  
โรงไฟฟ้า บริษัท ราชบุรีเพาวเวอร์ จำกัด  
ประจำเดือนกรกฎาคม 2565

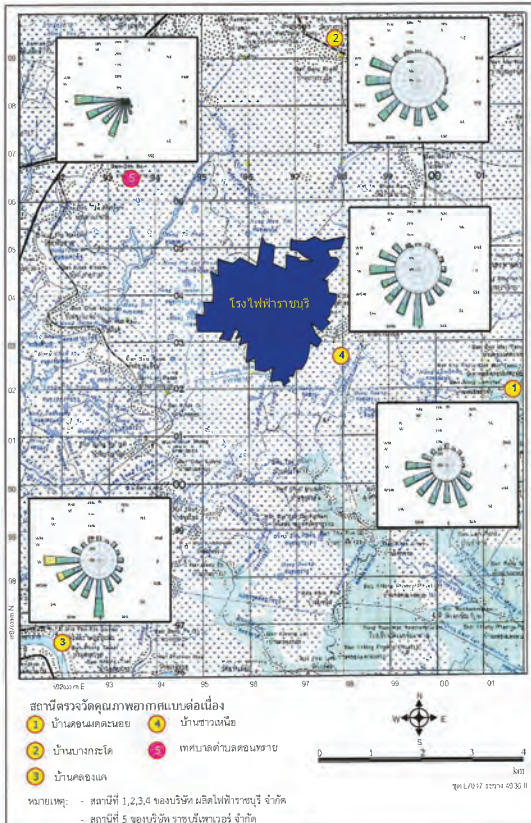
รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง  
โรงไฟฟ้า บริษัท ราชบุรีเพาวเวอร์ จำกัด  
เดือนกรกฎาคม 2565

ผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง โรงไฟฟ้า บริษัท ราชบุรีเพาวเวอร์ จำกัด ประจำเดือนกรกฎาคม 2565 จากสถานีตรวจวัดคุณภาพอากาศเทศบาลตำบลคอนทราย ผลการตรวจวัดดัชนีคุณภาพอากาศ พบว่า ผู้ละอองรวม ผู้ละอองขนาดเล็กไม่เกิน 10 ไมครอน ผู้ละอองขนาดเล็กไม่เกิน 2.5 ไมครอน ก๊าซซัลเฟอร์ไดออกไซด์ ก๊าซไนโตรเจนไดออกไซด์ และก๊าซโอโซน มีค่าอยู่ในเกณฑ์มาตรฐานคุณภาพอากาศในบรรยากาศโดยทั่วไป ตามประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ โดยมีรายละเอียดดังนี้

สรุปผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง (กรกฎาคม 2565)

สถานีตรวจวัด	ค่าเฉลี่ยในเวลา 24 ชั่วโมง				ค่าเฉลี่ยในเวลา 1 ชั่วโมง		
	(µg/m <sup>3</sup> )		(ppb)		(ppb)		
	TSP	PM-10	PM-2.5	SO <sub>2</sub>	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>
เทศบาลตำบลคอนทราย	23 - 41	14 - 28	7 - 19	1 - 8	1 - 20	1 - 16	2 - 82
มาตรฐาน	330	120	50	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) ฉบับที่ 36 (พ.ศ. 2553)



แผนที่แสดงตำแหน่งที่ตั้งสถานีตรวจวัดคุณภาพอากาศแบบต่อเนื่อง ของโรงไฟฟ้าราชบุรี และโรงไฟฟ้า บริษัท ราชบุรีเพาวเวอร์ จำกัด

สถานีเทศบาลตำบลคอนทราย



MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

Month : July

MONITORING STATION : Donsai Sub-district

YEAR : 2022

Date	SO <sub>2</sub> (ppb)		NO <sub>x</sub> (ppb)		O <sub>3</sub> (ppb)		O <sub>3</sub> (%)
	24-Hr. Avg.	1-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	
1 Jul 22	4	3 - 7	4	2 - 8	3 - 22	N/A	
2 Jul 22	3	2 - 8	5	2 - 10	2 - 27	N/A	
3 Jul 22	3	3 - 4	5	3 - 8	2 - 21	N/A	
4 Jul 22	2	1 - 3	5	2 - 11	2 - 33	N/A	
5 Jul 22	3	2 - 3	5	2 - 12	2 - 28	N/A	
6 Jul 22	3	3 - 5	5	2 - 12	2 - 34	N/A	
7 Jul 22	2	2 - 3	5	3 - 9	2 - 30	N/A	
8 Jul 22	3	2 - 3	5	3 - 7	2 - 21	N/A	
9 Jul 22	2	2 - 2	4	2 - 8	3 - 29	N/A	
10 Jul 22	3	3 - 4	4	2 - 6	5 - 23	N/A	
11 Jul 22	5	2 - 11	6	4 - 15	3 - 25	N/A	
12 Jul 22	5	2 - 18	6	2 - 10	4 - 23	N/A	
13 Jul 22	8	4 - 20	7	3 - 12	3 - 24	N/A	
14 Jul 22	4	3 - 14	5	2 - 9	2 - 25	N/A	
15 Jul 22	4	3 - 6	5	2 - 8	2 - 31	N/A	
16 Jul 22	4	2 - 17	5	1 - 12	2 - 46	N/A	
17 Jul 22	1	1 - 2	4	2 - 8	2 - 52	N/A	
18 Jul 22	2	2 - 3	5	3 - 10	2 - 17	N/A	
19 Jul 22	3	2 - 3	5	2 - 11	4 - 17	N/A	
20 Jul 22	3	3 - 3	6	2 - 11	5 - 25	N/A	
21 Jul 22	2	2 - 2	3	1 - 6	3 - 18	N/A	
22 Jul 22	3	2 - 3	5	2 - 5	2 - 27	N/A	
23 Jul 22	2	2 - 3	4	2 - 7	2 - 34	N/A	
24 Jul 22	2	2 - 3	4	2 - 6	3 - 29	N/A	
25 Jul 22	3	2 - 3	5	3 - 10	3 - 42	N/A	
26 Jul 22	3	2 - 3	6	2 - 13	3 - 50	N/A	
27 Jul 22	2	2 - 3	4	2 - 9	2 - 50	N/A	
28 Jul 22	2	2 - 3	5	2 - 16	3 - 43	N/A	
29 Jul 22	3	2 - 3	5	2 - 9	2 - 56	N/A	
30 Jul 22	3	3 - 3	5	2 - 12	2 - 35	N/A	
31 Jul 22	3	3 - 3	6	2 - 12	2 - 34	N/A	
Range	1 - 8	1 - 20	3 - 7	1 - 16	2 - 62		
Number of times (exceeded standard)	0	0	0	0	0		
Total Day	31	31	31	31	31		
Monitoring Hour	742	742	744	744	742		
Ambient Air Quality Standard	120	300	-	170	100		

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

MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

MONTH : July

MONITORING STATION : Donsai Sub-district

YEAR : 2022

Date	Concentration (24-Hr Avg)				
	TSP (µg/m <sup>3</sup> )		PM <sub>10</sub> (µg/m <sup>3</sup> )		PM <sub>2.5</sub> (µg/m <sup>3</sup> )
	Micro balance	Hi volume	Micro balance	Hi volume	Micro balance
1 Jul 22	N/A	34	19	N/A	10
2 Jul 22	N/A		23		13
3 Jul 22	N/A		18		10
4 Jul 22	N/A		18		11
5 Jul 22	N/A		17		9
6 Jul 22	N/A		16		8
7 Jul 22	N/A	23	18	N/A	9
8 Jul 22	N/A		19		9
9 Jul 22	N/A		15		7
10 Jul 22	N/A		15		7
11 Jul 22	N/A		17		9
12 Jul 22	N/A		20		11
13 Jul 22	N/A	28	22	N/A	12
14 Jul 22	N/A		22		13
15 Jul 22	N/A		25		15
16 Jul 22	N/A		17		9
17 Jul 22	N/A		15		8
18 Jul 22	N/A		20		10
19 Jul 22	N/A	41	21	N/A	10
20 Jul 22	N/A		20		9
21 Jul 22	N/A		14		8
22 Jul 22	N/A		14		7
23 Jul 22	N/A		15		7
24 Jul 22	N/A		17		10
25 Jul 22	N/A	26	24	N/A	15
26 Jul 22	N/A		27		19
27 Jul 22	N/A		22		14
28 Jul 22	N/A		23		16
29 Jul 22	N/A		23		15
30 Jul 22	N/A		28		18
31 Jul 22	N/A		19		11
Range		23 - 41	16 - 28		7 - 19
Number of times (exceeded standard)		0	0		0
Total Day		5	31		31
Monitoring Hour		120	742		742
Ambient Air Quality Standard		330	120		50

Remark : 1) Standards : Ambient Air Quality Standards of the National Environment Board  
2) TSP : Total Suspended Particulate  
3) PM<sub>10</sub> : Particulate Matter less than 10 µm

MONTHLY REPORT  
METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

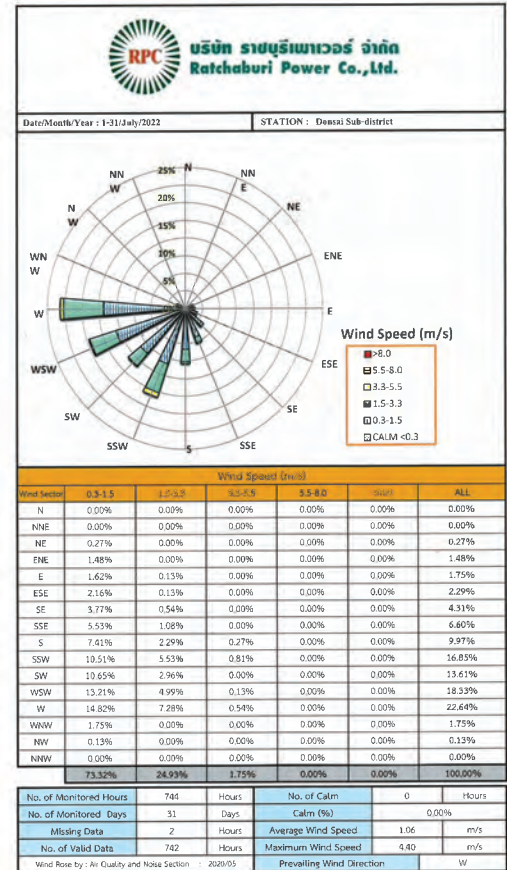
Month : July

MONITORING STATION : Donsai Sub-district

YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)		Rain Gauge (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	
1 Jul 22	27.5	35.9	30.1	58	97	81	999	1,001	1.6
2 Jul 22	26.7	36.7	31.2	56	97	77	999	1,001	0.0
3 Jul 22	27.4	34.9	30.7	60	95	79	999	1,002	13.2
4 Jul 22	27.0	36.6	29.8	58	98	83	999	1,002	0.4
5 Jul 22	26.8	36.9	30.5	55	98	83	999	1,003	0.0
6 Jul 22	26.0	37.9	30.5	52	99	79	1,000	1,005	5.0
7 Jul 22	25.6	35.2	29.2	63	99	85	1,000	1,006	9.8
8 Jul 22	26.1	36.3	29.9	59	99	82	999	1,005	3.2
9 Jul 22	25.7	34.8	28.3	65	100	89	999	1,003	21.6
10 Jul 22	26.2	34.3	29.7	56	95	77	999	1,004	0.0
11 Jul 22	25.7	34.6	30.0	58	98	76	1,000	1,004	0.4
12 Jul 22	24.8	34.7	28.2	60	97	84	1,000	1,003	13.6
13 Jul 22	25.4	32.2	28.3	67	96	80	999	1,002	0.0
14 Jul 22	25.7	36.0	30.1	56	95	77	999	1,001	0.0
15 Jul 22	26.1	35.9	30.1	59	96	82	999	1,003	0.6
16 Jul 22	25.3	38.5	30.9	51	100	78	999	1,006	24.2
17 Jul 22	24.6	38.3	29.3	56	100	87	1,001	1,007	84.6
18 Jul 22	25.6	37.0	31.0	58	100	80	999	1,005	0.0
19 Jul 22	26.7	37.7	31.5	53	91	73	999	1,004	0.0
20 Jul 22	27.7	37.3	31.5	53	99	74	999	1,003	3.0
21 Jul 22	26.1	30.4	28.2	82	100	93	1,000	1,007	9.2
22 Jul 22	25.1	35.4	28.6	63	100	89	1,003	1,008	6.2
23 Jul 22	26.2	34.9	29.8	65	100	86	1,003	1,008	0.4
24 Jul 22	26.7	35.7	29.8	65	98	85	1,001	1,006	30.8
25 Jul 22	25.5	37.0	30.9	56	96	77	1,001	1,007	9.2
26 Jul 22	26.4	38.2	31.5	51	97	76	1,001	1,007	12.0
27 Jul 22	26.6	38.5	32.0	49	98	78	1,000	1,006	0.4
28 Jul 22	27.4	36.7	30.5	56	98	83	1,000	1,007	0.8
29 Jul 22	26.4	39.4	31.1	49	97	79	999	1,005	0.0
30 Jul 22	26.5	39.2	31.6	49	97	77	999	1,004	0.0
31 Jul 22	25.5	38.5	29.4	53	100	85	999	1,003	34.6
Total	24.6	39.4	30.1	49	100	81	999	1,008	284.8
Day	31			31			31		31
Hours	742			742			619		742

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



Equipment Status of Donsai Sub-district Monitoring Station "July 2022"						
No.	Site	Analyzer	Brand	Model	S/N	Status
5	Donsai (DS)	SO <sub>2</sub>	Ecotech	EC98508	05-1274	Normal
		O <sub>3</sub>	Ecotech	EC98508	06-0001	Normal
		NO <sub>2</sub>	Thermo	4290	1181510016	Normal
		DUST (PM - 10/2.5)	Thermo	1405SF		Normal
		DUST (TSP)	Thermo	1400ab	1404259724601	Fail
						- Main Board ไม่สามารถรับค่า Firm Ware ได้ อยู่ระหว่างการตรวจสอบและเปลี่ยน Main Board ทำใหม่
		O <sub>2</sub>	Paken kelli	OK-600		Fail
						- อยู่ระหว่างการเปลี่ยน Sensor กับ จดสิทธิ และเช็คค่า
		High-volume air sampler(PM4.10)	Ecotech	HVS3000	05-1104	Fail
						- Filter block Alarm อยู่ระหว่างการเปลี่ยน Main board ทำให้ไม่สามารถทำการวัดได้ทั้งครั้ง
		High-volume air sampler(TSP)	Ecotech	HVS3000	05-1103	Normal
		WIND SPEED	Met One	010C	E7612	Normal
		WIND DIRECTION	Met One	020C	F1128	Normal
		AT/PH	Met One	0800-1-35	F1320	Normal
		BAROMETRIC PRESSURE	Met One	090D	F1231	Normal
		Rain gauge	Met One	-	-	Normal
		Multi Transistor	Met One	2270	F1284	Normal
		Data Logger	ADVANTECH	PC-510		Normal
		Multi Gas Calibration	SABO	4010	10260306	Normal
		Zero Air Generator	SABO	1001	035614768	Normal
		Modem	Tornado	FMV56.0E	4088712	Normal
		Air Condition 1	Dalim	AP1BDV25	E003687	Normal
		Air Condition 2	Dalim	AP1BDV25	E002831	Normal

ภาคผนวก

สถานีบ้านดอนมดตะนอย  
(สถานที่ตรวจวัด : วัดนภกบุญอินโธนีโอ)



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co., Ltd.

MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co., Ltd.

MONTH : July

MONITORING STATION : Ban Don Mod Tanol

YEAR : 2022

Date	Concentration				
	TSP (µg/m <sup>3</sup> )	PM-10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (ppb)		NO <sub>2</sub> (ppb)
	24-Hr Avg	24-Hr Avg	24-Hr Avg	1-Hr Avg	1-Hr Avg
1 Jul 22	23	N/A	2	2 - 3	2 - 7
2 Jul 22	28	N/A	2	2 - 2	1 - 8
3 Jul 22	24	N/A	2	2 - 4	1 - 8
4 Jul 22	20	N/A	2	2 - 2	1 - 7
5 Jul 22	27	N/A	2	2 - 2	2 - 8
6 Jul 22	23	N/A	2	2 - 3	2 - 5
7 Jul 22	24	N/A	2	2 - 3	1 - 7
8 Jul 22	27	N/A	2	2 - 2	1 - 8
9 Jul 22	21	N/A	2	2 - 3	1 - 7
10 Jul 22	18	N/A	2	2 - 2	1 - 4
11 Jul 22	17	N/A	2	2 - 4	1 - 7
12 Jul 22	22	N/A	2	2 - 3	2 - 7
13 Jul 22	26	N/A	2	2 - 3	1 - 7
14 Jul 22	26	N/A	3	2 - 6	1 - 8
15 Jul 22	33	N/A	2	2 - 3	1 - 9
16 Jul 22	23	N/A	3	2 - 4	1 - 8
17 Jul 22	21	N/A	2	2 - 3	1 - 5
18 Jul 22	22	N/A	2	2 - 3	1 - 7
19 Jul 22	29	N/A	2	2 - 3	1 - 9
20 Jul 22	22	N/A	2	2 - 3	1 - 8
21 Jul 22	17	N/A	2	2 - 2	2 - 8
22 Jul 22	21	N/A	2	2 - 2	1 - 8
23 Jul 22	20	N/A	2	2 - 3	2 - 9
24 Jul 22	23	N/A	2	2 - 3	2 - 8
25 Jul 22	27	N/A	3	2 - 4	3 - 11
26 Jul 22	39	N/A	3	2 - 3	2 - 11
27 Jul 22	25	14	2	2 - 3	1 - 5
28 Jul 22	20	13	2	2 - 3	2 - 8
29 Jul 22	38	25	2	2 - 3	2 - 8
30 Jul 22	29	21	3	2 - 3	3 - 9
31 Jul 22	29	19	2	2 - 3	2 - 8
Range	17 - 39	13 - 25	2 - 3	2 - 6	1 - 11
Number of Sites (exceeded standard)	0	0	0	0	0
Total Day	31	5	31	31	31
Monitoring Hour	742	120	735	735	735
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) SO<sub>2</sub> = Sulphur Dioxide  
5) NO<sub>2</sub> = Nitrogen Dioxide  
6) N/A = Data not Available  
7) \* = Exceeding air quality standard  
8) - = Not Applicable





บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co., Ltd.

MONTHLY REPORT

METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co., Ltd.

Month : July

MONITORING STATION : Ban Don Mod Tanol

YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Jul 22	26.0	34.1	29.0	49	99	81	1.002	1.006	1.004	0.6
2 Jul 22	25.3	35.1	29.6	51	99	82	1.002	1.006	1.004	0.2
3 Jul 22	26.1	33.4	29.5	51	99	77	1.003	1.007	1.005	1.4
4 Jul 22	24.9	34.6	28.5	49	99	84	1.004	1.006	1.005	13.6
5 Jul 22	25.4	34.9	28.4	52	99	86	1.003	1.007	1.005	9.6
6 Jul 22	24.4	35.2	28.3	49	99	83	1.005	1.009	1.007	31.2
7 Jul 22	24.1	33.1	27.9	56	99	84	1.005	1.009	1.007	0.2
8 Jul 22	25.4	33.2	28.3	54	99	82	1.004	1.008	1.007	1.4
9 Jul 22	24.6	33.1	26.6	56	99	92	1.004	1.007	1.006	22.4
10 Jul 22	25.0	32.8	28.5	48	99	75	1.004	1.008	1.006	0.0
11 Jul 22	24.3	33.2	28.7	50	99	72	1.005	1.008	1.006	0.8
12 Jul 22	24.3	32.5	27.0	56	99	87	1.004	1.008	1.006	5.6
13 Jul 22	24.2	31.2	27.2	58	99	78	1.003	1.006	1.005	0.0
14 Jul 22	24.4	34.3	28.0	48	99	82	1.002	1.006	1.004	23.0
15 Jul 22	24.5	33.9	28.6	53	99	83	1.004	1.007	1.006	0.0
16 Jul 22	24.3	36.4	29.2	44	99	78	1.004	1.009	1.006	19.6
17 Jul 22	23.6	36.5	27.8	48	99	84	1.006	1.010	1.008	19.8
18 Jul 22	24.4	34.6	29.3	52	99	78	1.004	1.009	1.007	0.2
19 Jul 22	25.9	35.6	29.9	46	99	77	1.003	1.007	1.005	0.0
20 Jul 22	26.2	35.6	29.9	46	99	74	1.002	1.007	1.005	2.6
21 Jul 22	25.0	29.3	26.9	81	99	96	1.005	1.010	1.007	9.2
22 Jul 22	23.8	34.0	27.3	51	99	87	1.007	1.011	1.009	16.8
23 Jul 22	24.5	33.5	28.1	56	99	85	1.007	1.010	1.009	0.6
24 Jul 22	25.7	34.5	28.4	54	99	86	1.005	1.009	1.008	0.2
25 Jul 22	24.3	35.3	29.3	49	99	78	1.006	1.010	1.008	0.0
26 Jul 22	24.8	36.8	30.1	40	99	74	1.005	1.010	1.008	0.0
27 Jul 22	25.2	37.7	30.6	40	99	75	1.005	1.009	1.007	0.0
28 Jul 22	26.3	36.0	29.8	46	99	81	1.005	1.010	1.008	0.0
29 Jul 22	25.5	37.7	29.7	44	99	80	1.004	1.009	1.007	0.0
30 Jul 22	25.6	37.0	30.1	41	99	77	1.004	1.008	1.006	0.0
31 Jul 22	25.2	37.1	28.6	43	99	85	1.003	1.008	1.006	6.0
Total	23.6	37.7	28.7	40	99	81	1.002	1.011	1.006	185.0
Day	31			31			31			31
Hours	743			743			743			743

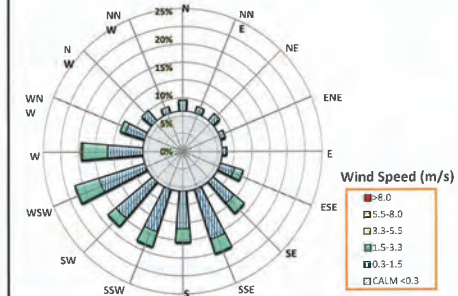
Remarks :- P = Power Fail, F = Equipment Fail, N/A = Data not Available



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co., Ltd.

Date/Month/Year : 1-31/July/2022

STATION : Ban Don Mod Tanol



Wind Speed (%)					
Wind Sector	0.0-1.0	1.0-2.0	2.0-3.0	3.0-4.0	4.0-5.0
N	1.88%	0.00%	0.00%	0.00%	0.13%
NNE	1.21%	0.00%	0.00%	0.00%	0.00%
NE	1.61%	0.00%	0.00%	0.00%	0.00%
ENE	0.94%	0.00%	0.00%	0.00%	0.00%
E	0.81%	0.00%	0.00%	0.00%	0.00%
ESE	2.69%	1.61%	0.00%	0.00%	0.00%
SE	4.97%	2.42%	0.00%	0.00%	0.00%
SSE	9.41%	2.69%	0.00%	0.00%	0.00%
S	6.72%	2.42%	0.00%	0.00%	0.00%
SSW	7.93%	2.82%	0.00%	0.00%	0.00%
SW	8.47%	1.88%	0.00%	0.00%	0.00%
WSW	8.60%	4.44%	0.00%	0.00%	0.00%
W	6.32%	4.44%	0.27%	0.00%	0.00%
WNW	3.63%	0.94%	0.00%	0.00%	0.00%
NW	2.42%	0.00%	0.00%	0.00%	0.00%
NNW	1.21%	0.00%	0.00%	0.00%	0.00%
Total	68.82%	23.66%	0.27%	0.00%	0.13%

No. of Monitored Hours	744	Hours	No. of Calm	53	Hours
No. of Monitored Days	31	Days	Calm (%)	7.12%	
Missing Data	0	Hours	Average Wind Speed	1.07	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			WSW		

สถาบันบางกะโด  
(สถานที่ตรวจวัด : วัดบางกะโด)

Equipment Status of Ban Don Mod Tanol Monitoring Station "July 2022"						
No.	Site	Analyzer	Brand	Model	S/N	Description
1	บ้านดอนมดแดง (จังหวัดราชบุรี)	SO <sub>2</sub>	Thermo Scientific	43152CA	1162850018	Sampling pump ไม่ทำงานเนื่องจากท่ออุดตัน วันที่ 1 - 28 July 2022
		NO <sub>2</sub>	Thermo Scientific	42-82M5DCA	1162850016	
		O <sub>3</sub>	Thermo Scientific	4942KCA	1162850020	
		DUST (TSP)	Thermo Scientific	5014/5030	CM16461002	
		DUST (PM - 10)	Thermo Scientific	5014/5030	CM16471015	
		ZERO AIR	Thermo Scientific	1160 BHP2N	1162850022	
		CALIBRATOR	Thermo Scientific	146-888FCA	1162850024	
		DATA LOGGER	ADVANTECH	IPC-50	0M1478934	
		Switch Hub 16 port	TP-LINK	TL-SF1016	12886700507	
		UPS	Power Matic	TR-3000	13K000080	
		Display LCD 20"	HP	P201	6CM3151950	
		Keyboard	Logitech	K220	13145C105728	
		Mouse	Logitech	M150	-	
		Standard Gas	Airgas	-	LL1111345	



MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co., Ltd. MONTH : July  
MONITORING STATION : Wat Bang Gado YEAR : 2022

Date	Concentration				
	TSF (µg/m <sup>3</sup> )	PM-10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (ppb)	NO <sub>2</sub> (ppb)	O <sub>3</sub> (ppb)
	24-Hr Avg	24-Hr Avg	24-Hr Avg	1-Hr Avg	1-Hr Avg
1 Jul 22	33	16	2	2 - 3	2 - 6
2 Jul 22	38	21	2	2 - 2	2 - 7
3 Jul 22	36	18	2	2 - 2	1 - 7
4 Jul 22	37	19	2	2 - 2	3 - 9
5 Jul 22	37	20	2	2 - 2	2 - 6
6 Jul 22	34	17	2	2 - 3	2 - 11
7 Jul 22	37	19	2	2 - 2	2 - 8
8 Jul 22	37	18	2	2 - 3	2 - 8
9 Jul 22	31	16	2	2 - 2	2 - 7
10 Jul 22	30	13	3	2 - 7	2 - 10
11 Jul 22	31	15	2	2 - 7	1 - 11
12 Jul 22	33	16	3	2 - 10	2 - 12
13 Jul 22	38	24	2	2 - 3	1 - 8
14 Jul 22	39	22	2	2 - 5	1 - 9
15 Jul 22	42	27	2	2 - 2	2 - 7
16 Jul 22	34	17	2	2 - 2	2 - 6
17 Jul 22	33	14	2	2 - 2	1 - 6
18 Jul 22	37	17	2	2 - 2	1 - 7
19 Jul 22	36	17	2	2 - 2	1 - 7
20 Jul 22	32	14	2	2 - 3	1 - 6
21 Jul 22	30	14	2	2 - 2	2 - 5
22 Jul 22	32	13	2	2 - 2	2 - 5
23 Jul 22	33	15	2	2 - 2	2 - 5
24 Jul 22	33	15	2	2 - 2	1 - 7
25 Jul 22	37	22	2	2 - 3	2 - 9
26 Jul 22	40	21	2	2 - 3	2 - 9
27 Jul 22	36	20	2	2 - 2	2 - 7
28 Jul 22	37	20	2	2 - 2	1 - 7
29 Jul 22	47	29	2	2 - 2	2 - 8
30 Jul 22	47	33	2	2 - 2	2 - 9
31 Jul 22	29	16	2	2 - 2	2 - 9
Range	29 - 47	13 - 33	2 - 3	2 - 10	1 - 12
Number of times exceeded standard	0	0	0	0	0
Total	31	31	31	31	31
Monitoring Hour	744	744	712	712	712
Ambient Air Quality Standard	350	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) SO<sub>2</sub> :- Sulfur Dioxide  
5) NO<sub>2</sub> :- Nitrogen Dioxide  
6) O<sub>3</sub> :- Ozone  
7) \* :- Exceeding air quality standard  
8) \* :- Not Measurement

MONTHLY REPORT

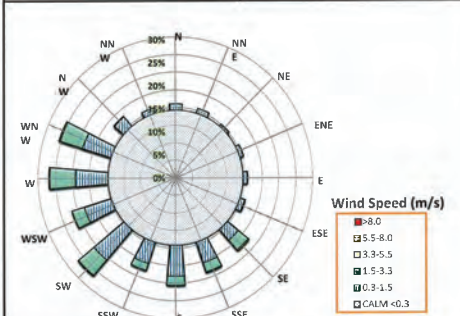
METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co., Ltd. Month : July  
MONITORING STATION : Wat Bang Gado YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Jul 22	25.9	33.6	28.7	57	100	86	1.002	1.006	1.004	N/A
2 Jul 22	25.8	33.8	29.1	55	100	87	1.001	1.006	1.004	N/A
3 Jul 22	26.0	32.7	29.1	57	100	85	1.003	1.007	1.005	N/A
4 Jul 22	25.2	33.1	28.1	57	100	89	1.003	1.007	1.005	N/A
5 Jul 22	25.4	33.6	28.4	56	100	90	1.003	1.008	1.006	N/A
6 Jul 22	25.1	34.7	28.6	52	100	85	1.005	1.009	1.007	N/A
7 Jul 22	25.0	32.3	27.9	64	100	91	1.005	1.009	1.008	N/A
8 Jul 22	25.6	33.2	28.6	57	100	85	1.004	1.008	1.007	N/A
9 Jul 22	24.8	31.9	26.9	66	100	95	1.004	1.007	1.006	N/A
10 Jul 22	25.4	31.9	28.4	54	100	80	1.004	1.008	1.007	N/A
11 Jul 22	24.5	32.6	28.4	57	100	83	1.005	1.008	1.007	N/A
12 Jul 22	24.0	32.7	26.8	57	100	93	1.004	1.008	1.006	N/A
13 Jul 22	24.5	30.8	27.1	64	100	85	1.003	1.007	1.005	N/A
14 Jul 22	25.1	33.5	28.6	54	100	84	1.002	1.007	1.004	N/A
15 Jul 22	25.1	33.1	28.6	56	100	86	1.004	1.008	1.006	N/A
16 Jul 22	24.9	34.2	28.9	52	100	83	1.004	1.010	1.007	N/A
17 Jul 22	23.6	34.8	27.7	54	100	88	1.006	1.010	1.008	N/A
18 Jul 22	24.7	34.6	29.7	55	100	81	1.004	1.009	1.007	N/A
19 Jul 22	25.9	35.3	29.8	50	100	81	1.003	1.008	1.006	N/A
20 Jul 22	26.5	34.3	29.6	57	100	83	1.002	1.007	1.005	4.0
21 Jul 22	25.2	28.6	26.8	99	100	100	1.006	1.011	1.007	7.8
22 Jul 22	24.2	32.5	27.0	59	100	90	1.007	1.011	1.009	5.0
23 Jul 22	24.9	32.1	28.2	64	100	91	1.007	1.011	1.009	0.0
24 Jul 22	25.3	32.8	28.3	63	100	92	1.006	1.010	1.008	0.0
25 Jul 22	24.5	34.3	29.3	54	100	82	1.006	1.010	1.008	0.0
26 Jul 22	25.1	34.8	29.8	47	100	79	1.005	1.010	1.008	0.0
27 Jul 22	25.7	34.9	30.1	47	100	82	1.005	1.010	1.008	0.0
28 Jul 22	26.7	34.2	29.1	52	100	89	1.005	1.010	1.008	0.2
29 Jul 22	25.4	35.5	29.3	51	100	85	1.004	1.009	1.007	0.0
30 Jul 22	25.8	35.3	30.0	47	100	81	1.004	1.008	1.007	0.0
31 Jul 22	24.6	35.0	27.8	50	100	90	1.003	1.008	1.006	9.4
Total	23.6	35.5	28.5	47	100	86	1.001	1.011	1.007	26.4
Day	31	31	31	31	31	31	31	31	31	12
Hours	744	744	744	744	744	744	744	744	744	274

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

Date/Month/Year : 1-31/July/2022 STATION : Wat Bang Gado



Wind Sector		0.3-1.5	1.5-3.3	3.3-5.5	5.5-8.0	>8.0	ALL
N	1.34%	0.00%	0.00%	0.00%	0.00%	0.00%	1.34%
NNE	1.08%	0.00%	0.00%	0.00%	0.00%	0.00%	1.08%
NE	0.40%	0.13%	0.00%	0.00%	0.00%	0.00%	0.54%
ENE	0.61%	0.00%	0.00%	0.00%	0.00%	0.00%	0.61%
E	0.94%	0.00%	0.00%	0.00%	0.00%	0.00%	0.94%
ESE	1.08%	0.13%	0.00%	0.00%	0.00%	0.00%	1.21%
SE	3.09%	2.82%	0.27%	0.00%	0.00%	0.00%	6.18%
SSE	4.70%	2.15%	0.13%	0.00%	0.00%	0.00%	6.99%
S	6.72%	2.02%	0.00%	0.00%	0.00%	0.00%	8.74%
SSW	4.84%	1.61%	0.00%	0.00%	0.00%	0.00%	6.45%
SW	8.60%	4.44%	0.13%	0.00%	0.00%	0.00%	13.17%
WSW	6.18%	2.82%	0.00%	0.00%	0.00%	0.00%	9.01%
W	7.12%	5.65%	0.13%	0.00%	0.00%	0.00%	12.90%
WNW	6.59%	5.11%	0.27%	0.00%	0.00%	0.00%	11.96%
NW	2.69%	0.13%	0.00%	0.00%	0.00%	0.00%	2.82%
NNW	1.21%	0.00%	0.00%	0.00%	0.00%	0.00%	1.21%
Total	57.39%	27.02%	0.94%	0.00%	0.00%	0.00%	85.35%
No. of Monitored Hours	744	Hours	No. of Calm	169	Hours		
No. of Monitored Days	31	Days	Calm (%)	14.65%			
Mixing Data	0	Hours	Average Wind Speed	1.12	m/s		
No. of Valid Data	744	Hours	Maximum Wind Speed	4.20	m/s		
Wind Rose by : Air Quality and Noise Section		2022/03		Prevailing Wind Direction		SW	

Equipment Status of Wat Bang Gado Monitoring Station "July 2022"		Description	
No.	Site	Analyzer	Brand
2	วัดบางกาด (BG)	SO <sub>2</sub>	Thermo Scientific
		NO <sub>2</sub>	Thermo Scientific
		O <sub>3</sub>	Thermo Scientific
		DUST (TSP)	Thermo Scientific
		DUST (PM - 10)	Thermo Scientific
		ZERO AIR	Thermo Scientific
		CALIBRATOR	Thermo Scientific
		DATA LOGGER (vda)	ADVANTECH
		Ethernet Switch	TP-LINK
		UPS	Power Mate
		Display LCD 20"	HP
		Keyboard Wireless	Logitech
		Mouse Wireless	Logitech
		Standard Gas	M150
		WIND SPEED	ASTEM
		WIND DIRECTION	ASTEM
		AIR TEMPERATURE	ASTEM
		RELATIVE HUMIDITY	ASTEM
		BAROMETRIC PRESSURE	ASTEM
		RAIN GAUGE	ASTEM

Rain gauge Sensor Fail ไม่สามารถใช้งานได้  
วันที่ 1 - 19 July 2022

MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co., Ltd.  
MONITORING STATION : Ban Klong Klao MONTH : July  
YEAR : 2022

Date	Concentration					
	TSP (µg/m³)		PM-10 (µg/m³)		SO <sub>2</sub> (ppb)	
	24-Hr Avg	24-Hr Avg	24-Hr Avg	1-Hr Avg	1-Hr Avg	1-Hr Avg
1 Jul 22	21	20	2	2 - 4	2 - 8	5 - 29
2 Jul 22	22	N/A	2	2 - 3	2 - 9	3 - 37
3 Jul 22	14	N/A	2	2 - 2	2 - 7	5 - 29
4 Jul 22	23	N/A	2	2 - 4	2 - 11	3 - 54
5 Jul 22	22	N/A	2	2 - 3	2 - 12	3 - 37
6 Jul 22	22	N/A	2	2 - 3	2 - 9	4 - 47
7 Jul 22	16	15	2	2 - 4	1 - 8	3 - 34
8 Jul 22	21	18	2	2 - 3	2 - 10	3 - 31
9 Jul 22	18	15	2	1 - 3	2 - 11	4 - 36
10 Jul 22	14	13	2	2 - 3	1 - 6	9 - 29
11 Jul 22	N/A	11	2	2 - 3	2 - 8	9 - 30
12 Jul 22	N/A	16	2	2 - 3	2 - 9	11 - 30
13 Jul 22	N/A	23	2	2 - 2	2 - 7	6 - 32
14 Jul 22	N/A	23	2	2 - 4	2 - 9	4 - 32
15 Jul 22	N/A	24	2	2 - 3	2 - 9	3 - 43
16 Jul 22	N/A	20	2	2 - 3	1 - 8	3 - 46
17 Jul 22	N/A	17	2	2 - 2	1 - 8	3 - 46
18 Jul 22	N/A	17	2	2 - 3	1 - 7	3 - 52
19 Jul 22	N/A	19	2	2 - 3	1 - 6	8 - 27
20 Jul 22	N/A	14	2	2 - 3	1 - 7	6 - 28
21 Jul 22	N/A	N/A	N/A	2 - 3	2 - 8	4 - 23
22 Jul 22	N/A	14	2	2 - 3	2 - 9	3 - 34
23 Jul 22	N/A	14	2	2 - 3	2 - 7	3 - 42
24 Jul 22	N/A	21	2	2 - 3	2 - 8	5 - 42
25 Jul 22	N/A	20	3	2 - 5	3 - 11	6 - 87
26 Jul 22	N/A	22	2	2 - 3	2 - 9	8 - 64
27 Jul 22	N/A	20	2	2 - 3	2 - 12	3 - 49
28 Jul 22	N/A	17	2	2 - 3	1 - 7	4 - 42
29 Jul 22	N/A	23	3	2 - 3	2 - 10	4 - 56
30 Jul 22	N/A	29	3	2 - 4	2 - 14	3 - 47
31 Jul 22	N/A	21	3	2 - 4	2 - 11	3 - 37
Range	14 - 23	11 - 29	2 - 3	1 - 5	1 - 14	3 - 87
Number of times exceeded standard	0	0	0	0	0	0
Total Day	10	25	30	31	31	31
Monitoring Hour	237	597	689	689	704	704
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<sub>2</sub> : Sulfur Dioxide  
5) NO<sub>2</sub> : Nitrogen Dioxide  
6) N/A : Data not Available  
7) \* : Exceeding an quality standard  
8) - : Not Measurement

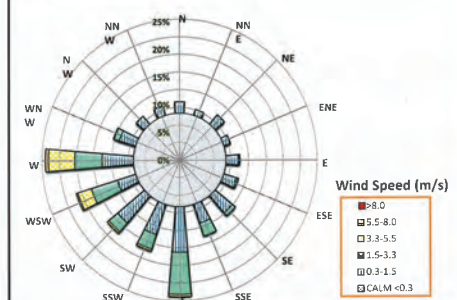
MONTHLY REPORT  
METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co., Ltd. Month : July  
MONITORING STATION : Ban Klong Klao YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Jul 22	26.3	34.4	29.2	50	99	81	1,000	1,005	1,003	3.2
2 Jul 22	25.6	34.9	30.1	50	99	75	1,000	1,005	1,002	0.2
3 Jul 22	26.5	34.2	30.1	49	99	73	1,001	1,005	1,004	0.0
4 Jul 22	25.7	34.6	28.8	52	99	83	1,002	1,005	1,004	4.2
5 Jul 22	25.3	34.3	28.5	53	100	87	1,002	1,006	1,004	16.6
6 Jul 22	24.9	35.3	28.6	52	100	83	1,003	1,008	1,006	32.6
7 Jul 22	25.1	33.7	28.5	55	100	82	1,004	1,008	1,006	0.0
8 Jul 22	25.5	33.6	28.8	53	99	82	1,003	1,007	1,005	2.4
9 Jul 22	25.1	33.5	27.3	59	100	91	1,002	1,006	1,004	25.2
10 Jul 22	25.8	33.0	28.9	49	99	73	1,003	1,007	1,005	0.0
11 Jul 22	25.1	33.4	29.3	48	99	69	1,003	1,007	1,005	1.6
12 Jul 22	24.8	32.7	27.6	54	99	79	1,002	1,006	1,004	2.2
13 Jul 22	24.8	32.1	27.7	55	99	75	1,002	1,005	1,004	0.0
14 Jul 22	25.4	34.1	29.0	49	99	78	1,001	1,005	1,003	0.8
15 Jul 22	25.5	34.9	28.8	51	99	83	1,003	1,006	1,004	6.8
16 Jul 22	24.4	36.7	29.3	43	100	79	1,003	1,008	1,005	16.6
17 Jul 22	25.2	35.0	27.8	52	100	85	1,004	1,008	1,007	51.2
18 Jul 22	24.6	34.7	29.7	51	100	76	1,003	1,007	1,006	0.2
19 Jul 22	26.3	35.7	30.6	47	97	68	1,001	1,006	1,004	0.0
20 Jul 22	26.7	36.0	30.3	44	99	72	1,001	1,006	1,004	0.8
21 Jul 22	26.3	29.4	28.0	80	99	92	1,004	1,009	1,006	1.6
22 Jul 22	23.2	33.4	27.0	54	100	89	1,006	1,010	1,008	38.2
23 Jul 22	24.5	33.5	28.2	58	100	88	1,005	1,009	1,008	0.4
24 Jul 22	25.9	34.2	28.6	57	99	86	1,004	1,008	1,007	0.0
25 Jul 22	24.6	35.4	29.8	51	99	75	1,004	1,008	1,007	0.0
26 Jul 22	25.4	36.4	30.5	40	99	73	1,004	1,008	1,007	0.0
27 Jul 22	26.2	37.0	30.8	42	99	76	1,003	1,008	1,006	0.0
28 Jul 22	26.6	36.8	29.7	41	99	82	1,004	1,009	1,006	0.2
29 Jul 22	25.7	36.8	30.1	44	99	78	1,003	1,007	1,006	0.0
30 Jul 22	26.1	37.0	30.6	43	99	77	1,002	1,006	1,005	0.0
31 Jul 22	25.4	36.3	28.8	47	99	85	1,002	1,006	1,004	5.0
Total	25.2	37.0	29.1	40	100	80	1,000	1,010	1,005	210.0
Day	31			31			31			31
Hours	735			735			735			735

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

Date/Month/Year : 1-31/July/2022 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
N	2.04%	0.00%	0.00%	0.00%	0.00%
NNE	1.09%	0.00%	0.00%	0.00%	0.00%
NE	2.18%	0.00%	0.00%	0.00%	0.00%
ENE	1.22%	0.00%	0.00%	0.00%	0.00%
E	2.31%	0.14%	0.00%	0.00%	0.00%
ESE	2.45%	0.27%	0.00%	0.00%	0.00%
SE	4.08%	0.68%	0.00%	0.00%	0.00%
SSE	3.54%	2.45%	0.00%	0.00%	0.00%
S	8.30%	7.62%	0.41%	0.00%	0.00%
SSW	5.71%	2.72%	0.41%	0.00%	0.00%
SW	6.39%	2.04%	0.41%	0.00%	0.00%
WSW	3.54%	4.90%	2.59%	0.27%	0.00%
W	5.71%	4.90%	4.76%	0.54%	0.00%
WNW	3.13%	0.95%	0.14%	0.00%	0.00%
NW	1.90%	0.00%	0.00%	0.00%	0.00%
NNW	1.77%	0.00%	0.00%	0.00%	0.00%
Total	55.37%	26.67%	8.71%	0.82%	0.00%
No. of Monitored Hours	744	Hours	No. of Calm	67	Hours
No. of Monitored Days	31	Days	Calm (%)	8.64%	
Missing Data	9	Hours	Average Wind Speed	1.52	m/s
No. of Valid Data	735	Hours	Maximum Wind Speed	6.40	m/s
Wind Rose by Air Quality and Noise Section	2020/05	Prevailing Wind Direction		S	



No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No	Description
3	บ้านขาวเหือ	SO <sub>2</sub>	Thermo Scientific	43425CA	1162850017	Normal	20511163	เครื่องวัด SO <sub>2</sub> ชนิดอิเล็กทรอนิกส์ รุ่น 20511163 วันที่ 27 July 2022
	(ใช้สำหรับวัด SO <sub>2</sub> )							
		O <sub>3</sub>	Thermo Scientific	4242ZADCA	1162850015	Normal	20511165	
			Thermo Scientific	49432NCA	1162850019	Normal	20511167	
		CO <sub>2</sub>	Thermo Scientific	50464530A	CM16461001	Normal	20511171	Barometric pressure board (ใช้สำหรับวัดความดันอากาศ) วันที่ 11 - 31 July 2022
		DAUST (TSP)						Filter paper change (ใช้สำหรับเปลี่ยนกระดาษกรอง) วันที่ 2 - 6 July 2022 และ วันที่ 11-15 July 2022
		DAUST (PM - 10)	Thermo Scientific	3014U2020	CM16471014	Normal	20511169	ใช้สำหรับวัดความดันอากาศ วันที่ 11-15 July 2022
		ZERO AIR	Thermo Scientific	1160 BAP2N	1162850021	Normal	20511173	
		CALIBRATOR	Thermo Scientific	1461-868BPCA	1162850023	Normal	20511175	
		DATA LOGGER	ADVANTECH	IPC 50	KMA47823A	Normal	60102550.13.4	
		Switch Hub 16 port	HP	HP Compaq	SG50260WW2	Normal	99050995.1	
		UPS	Power Mate	TP-3000	13 K5 00387	Normal	-	
		CPU	HP	d530 SFF	62A3151954	Normal	6010255.2	
		Display LCD 20"	Logitech	K220	13145C10DFH8	Normal	-	
		Keyboard Wireless	Logitech	M150	-	Normal	-	
		Mouse Wireless	Auris	-	LL15448	Normal	-	
		Standard Gas	LASTEM	DMA 507/DMA 007	-	Normal	-	
		WIND SPEED	LASTEM	DMA 516/DMA 017	-	Normal	-	
		WIND DIRECTION	LASTEM	DMA 515	-	Normal	-	
		AIR TEMPERATURE	LASTEM	DMA 515	-	Normal	-	
		RELATIVE HUMIDITY	LASTEM	DMA 515	-	Normal	-	
		BAROMETRIC PRESSURE	LASTEM	DQA 208	R04017	Normal	-	
		RAIN GAUGE	LASTEM	DQA 030	-	Normal	-	

สถานีบ้านขาวเหือ  
(สถานที่ตรวจวัด : บ้านขาวเหือ)



MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT

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

MONTH : July  
YEAR : 2022

Date	Concentration					
	TSP (µg/m <sup>3</sup> )	PM-10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (ppb)		NO <sub>2</sub> (ppb)	O <sub>3</sub> (ppb)
	24-Hr. Avg.	24-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Jul 22	17	14	1	1 - 1	0 - 4	17 - 39
2 Jul 22	22	18	1	1 - 1	1 - 8	15 - 50
3 Jul 22	19	14	1	1 - 1	0 - 6	15 - 58
4 Jul 22	17	14	1	1 - 1	1 - 9	14 - 43
5 Jul 22	23	19	1	1 - 1	1 - 6	14 - 47
6 Jul 22	21	17	1	1 - 1	0 - 5	15 - 55
7 Jul 22	21	17	1	1 - 1	0 - 5	16 - 51
8 Jul 22	19	15	1	1 - 1	0 - 4	20 - 49
9 Jul 22	19	16	1	1 - 1	0 - 5	22 - 47
10 Jul 22	16	12	1	1 - 1	0 - 1	24 - 43
11 Jul 22	12	12	1	1 - 1	0 - 1	29 - 45
12 Jul 22	18	15	1	1 - 1	0 - 8	28 - 44
13 Jul 22	24	20	1	1 - 2	1 - 7	24 - 45
14 Jul 22	26	19	1	1 - 1	2 - 8	22 - 46
15 Jul 22	27	22	1	1 - 2	2 - 7	21 - 59
16 Jul 22	20	15	1	1 - 1	2 - 7	22 - 59
17 Jul 22	18	14	1	1 - 1	2 - 6	23 - 59
18 Jul 22	22	17	1	1 - 1	1 - 7	21 - 59
19 Jul 22	23	19	1	1 - 1	1 - 7	20 - 40
20 Jul 22	12	12	1	1 - 1	2 - 6	25 - 46
21 Jul 22	17	12	1	1 - 1	3 - 8	23 - 58
22 Jul 22	16	12	1	1 - 1	2 - 5	21 - 48
23 Jul 22	16	12	1	1 - 1	3 - 7	21 - 56
24 Jul 22	22	17	1	1 - 1	2 - 8	24 - 52
25 Jul 22	26	21	1	1 - 2	3 - 10	26 - 100
26 Jul 22	27	21	1	1 - 1	2 - 8	28 - 66
27 Jul 22	20	16	1	1 - 1	2 - 7	21 - 69
28 Jul 22	20	15	1	1 - 1	2 - 6	22 - 54
29 Jul 22	27	21	1	1 - 2	2 - 8	22 - 74
30 Jul 22	28	21	1	1 - 1	2 - 9	21 - 59
31 Jul 22	21	17	1	1 - 1	2 - 8	21 - 58
Range	12 - 28	12 - 22	1	1 - 2	0 - 10	14 - 100
Number of times exceeded standard	0	0	0	0	0	0
Total Day	31	31	31	31	31	31
Monitoring Hour	741	741	708	708	708	708
Ambient Air Quality Standard	330	120	120	300	170	100

Remarks :  
 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<sub>2</sub> : Sulfur Dioxide  
 5) NO<sub>2</sub> : 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.  
MONITORING STATION : Ban Chao Nua

Month : July  
YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Jul 22	26.1	34.3	29.1	53	99	81	999	1,003	1,001	N/A
2 Jul 22	25.5	34.6	29.5	54	99	81	999	1,003	1,001	N/A
3 Jul 22	26.2	33.3	29.6	55	99	77	1,000	1,004	1,002	N/A
4 Jul 22	24.7	34.5	28.6	53	99	83	1,001	1,003	1,002	N/A
5 Jul 22	25.9	26.2	26.1	99	99	99	1,002	1,003	1,002	N/A
6 Jul 22	25.4	35.2	28.5	50	99	85	1,002	1,006	1,004	N/A
7 Jul 22	25.2	33.3	28.3	60	99	84	1,002	1,006	1,004	N/A
8 Jul 22	25.4	33.5	28.6	57	99	83	1,001	1,005	1,004	N/A
9 Jul 22	25.3	33.1	27.2	61	99	90	1,001	1,004	1,003	N/A
10 Jul 22	25.2	33.1	28.8	51	99	74	1,002	1,005	1,004	N/A
11 Jul 22	24.7	32.7	28.9	54	99	74	1,002	1,005	1,004	N/A
12 Jul 22	24.3	32.7	27.1	59	99	85	1,001	1,005	1,003	N/A
13 Jul 22	25.2	30.9	27.5	61	96	78	1,000	1,003	1,002	N/A
14 Jul 22	24.7	34.2	28.3	51	99	81	1,000	1,004	1,002	N/A
15 Jul 22	25.1	33.9	28.5	57	99	85	1,001	1,005	1,003	N/A
16 Jul 22	24.5	35.6	29.2	49	99	79	1,002	1,007	1,004	N/A
17 Jul 22	23.9	34.9	28.2	55	99	85	1,003	1,007	1,005	N/A
18 Jul 22	25.3	35.3	30.1	53	99	78	1,001	1,006	1,004	N/A
19 Jul 22	26.4	36.0	30.3	49	89	73	1,000	1,004	1,002	N/A
20 Jul 22	26.5	34.8	29.9	51	99	76	1,000	1,004	1,003	N/A
21 Jul 22	25.7	28.9	27.1	84	99	96	1,003	1,007	1,004	N/A
22 Jul 22	23.5	32.8	27.1	57	99	88	1,004	1,008	1,006	N/A
23 Jul 22	25.2	33.2	28.3	61	99	87	1,004	1,008	1,006	N/A
24 Jul 22	25.5	33.4	28.4	59	99	87	1,003	1,007	1,005	N/A
25 Jul 22	24.5	34.9	29.1	54	99	79	1,003	1,007	1,005	N/A
26 Jul 22	25.4	35.3	29.8	44	99	76	1,003	1,007	1,005	N/A
27 Jul 22	25.5	36.2	30.3	43	99	78	1,002	1,007	1,005	N/A
28 Jul 22	26.3	34.4	29.2	52	99	84	1,002	1,007	1,005	N/A
29 Jul 22	25.5	36.1	29.4	50	99	82	1,002	1,006	1,004	N/A
30 Jul 22	25.6	35.6	30.0	48	99	79	1,001	1,005	1,003	N/A
31 Jul 22	25.4	35.5	28.5	52	99	86	1,001	1,005	1,003	N/A
Total	23.5	36.2	28.7	43	99	82	999	1,008	1,004	-
Day	31	31	31	31	31	31	-	-	-	-
Hours	710	710	710	710	710	710	-	-	-	-

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

[illegible]

Preventive maintenance schedule,		Plan and actual
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	32	33
34	35	36
37	38	39
40	41	42
43	44	45
46	47	48
49	50	51
52	53	54
55	56	57
58	59	60
61	62	63
64	65	66
67	68	69
70	71	72
73	74	75
76	77	78
79	80	81
82	83	84
85	86	87
88	89	90
91	92	93
94	95	96
97	98	99
100	101	102
103	104	105
106	107	108
109	110	111
112	113	114
115	116	117
118	119	120
121	122	123
124	125	126
127	128	129
130	131	132
133	134	135
136	137	138
139	140	141
142	143	144
145	146	147
148	149	150
151	152	153
154	155	156
157	158	159
160	161	162
163	164	165
166	167	168
169	170	171
172	173	174
175	176	177
178	179	180
181	182	183
184	185	186
187	188	189
190	191	192
193	194	195
196	197	198
199	200	201
202	203	204
205	206	207
208	209	210
211	212	213
214	215	216
217	218	219
220	221	222
223	224	225
226	227	228
229	230	231
232	233	234
235	236	237
238	239	240
241	242	243
244	245	246
247	248	249
250	251	252
253	254	255
256	257	258
259	260	261
262	263	264
265	266	267
268	269	270
271	272	273
274	275	276
277	278	279
280	281	282
283	284	285
286	287	288
289	290	291
292	293	294
295	296	297
298	299	300
301	302	303
304	305	306
307	308	309
310	311	312
313	314	315
316	317	318
319	320	321
322	323	324
325	326	327
328	329	330
331	332	333
334	335	336
337	338	339
340	341	342
343	344	345
346	347	348
349	350	351
352	353	354
355	356	357
358	359	360
361	362	363
364	365	366
367		

งานบำรุงรักษาภายใต้จุดคุณภาพภายในระบบต่อเนื่อง โรงพยาบาลกรุงเทพ โรงพยาบาลกรุงเทพ 2022

[illegible]



### Corrective maintenance work list

Corrective maintenance work list

[illegible]

Engineers	Mr. Pongvriya Chaowalit
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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. 27

Date : 4-Jul-22 to 10-Jul-22

ผู้ปฏิบัติงาน : 1) นาย พงศวิริยะ เขาวลิตร์ 2) \_\_\_\_\_  
3) \_\_\_\_\_ 4) \_\_\_\_\_

พชร. : นาย อธิรุทธิ์ เรืองศิริ

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สรุปรายละเอียดการปฏิบัติงาน

- Data logger ปกติ

- Station โดยรอบปกติ

- Standard gas 1980 psi

- Replace Filter TSP High-volume Run 7 July 2022

PM-10 High Volume Fail อยู่ระหว่างส่งซ่อมกับ บ.สิทธิพร แอสโซซิเอต จำกัด

Remark :

นาย พงศ์วิริยะ เชาวลิตร

ผู้ปฏิบัติงาน

Date : 11-Jul-2022



No.	Description	Unit for Analysis	S/N	Unit	Jan 22	Feb 22	Mar 22	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sept 22	Oct 22	Nov 22	Dec 22	Total
1	Calibration Gas	Unit for Analysis	S/N	Unit	Jan 22	Feb 22	Mar 22	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sept 22	Oct 22	Nov 22	Dec 22	Total
2	PM10/2.5 TSPM	PM10/2.5 TSPM	8400952	g/m <sup>3</sup>	0	0	0	0	0	0	0	0	0	0	0	0	0
3	PM10/2.5 TSPM	PM10/2.5 TSPM	1112460	g/m <sup>3</sup>	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PM10/2.5 TSPM	PM10/2.5 TSPM	570725-0000	g/m <sup>3</sup>	0	0	0	0	0	0	0	0	0	0	0	0	0
5	PM10/2.5 TSPM	PM10/2.5 TSPM	570725-0000	g/m <sup>3</sup>	0	0	0	0	0	0	0	0	0	0	0	0	0
6	PM10/2.5 TSPM	PM10/2.5 TSPM	570725-0000	g/m <sup>3</sup>	0	0	0	0	0	0	0	0	0	0	0	0	0
7	PM10/2.5 TSPM	PM10/2.5 TSPM	570725-0000	g/m <sup>3</sup>	0	0	0	0	0	0	0	0	0	0	0	0	0
8	PM10/2.5 TSPM	PM10/2.5 TSPM	570725-0000	g/m <sup>3</sup>	0	0	0	0	0	0	0	0	0	0	0	0	0
9	PM10/2.5 TSPM	PM10/2.5 TSPM	570725-0000	g/m <sup>3</sup>	0	0	0	0	0	0	0	0	0	0	0	0	0
10	PM10/2.5 TSPM	PM10/2.5 TSPM	570725-0000	g/m <sup>3</sup>	0	0	0	0	0	0	0	0	0	0	0	0	0

Calibration result

Project : Ratchaburi Power Plant

Site No. : 5      Station : DONSAL

Date : 20 Jul 22

Page 01

Analyzer	SO <sub>2</sub>	NO <sub>x</sub>	O <sub>3</sub>	Standard Gas	SO <sub>2</sub>	NO <sub>x</sub>	Remark
Manufacturer	ECOTECH	Thermo	ECOTECH	Cylinder No.	D 636099		Calibration โดยเครื่อง หรือจาก กฟผ. เนื่องจาก Calibrator ของโรงงาน
Model	EC 98508	42Q	EC 9810 B	Concentration	50.10	51.90	
Serial No.	05-1274		06-0001	Multi Gas Calibrator			
Range	0 - 500 ppb	0 - 500 ppb	0 - 500 ppb	Model : Sabco4010	Serial No. :-		

Phase	Set Point	Desired Value	Monitor Value	Drift	% Drift	Factor
SO <sub>2</sub> Before Calibrate	Zero	0	3	-3	-0.6	Gain : 23.77
	Span(Lo.)	80	-	-	-	
	Span(Mid.)	150	-	-	-	
	Span(Hi.)	450	456	-6	-1.3	
SO <sub>2</sub> After Calibrate	Zero	0	1	-1	-0.2	Gain : 23.54
	Span(Lo.)	80	-	-	-	
	Span(Mid.)	150	-	-	-	
	Span(Hi.)	450	449	1	0.2	

	NO	NO <sub>2</sub>	NO <sub>x</sub>	NO	NO <sub>2</sub>	NO <sub>x</sub>	NO	NO <sub>2</sub>	NO <sub>x</sub>	NO	NO <sub>2</sub>	NO <sub>x</sub>
NO <sub>x</sub> Before Calibrate	Zero	0	0	4.0	2.0	6.0	-4	-2	-6	-0.8	-0.4	-1.2
	Span(Lo.)	80	0	80	-	-	-	-	-	-	-	-
	Span(Mid.)	150	0	150	-	-	-	-	-	-	-	-
	Span(Hi.)	450	0	450	434.0	4.0	438.0	16	-4	12	3.6	-0.9
NO <sub>x</sub> After Calibrate	Zero	0	0	1.0	1.0	2.0	-1	-1	-2	-0.2	-0.2	-0.4
	Span(Lo.)	80	0	80	-	-	-	-	-	-	-	-
	Span(Mid.)	150	0	150	-	-	-	-	-	-	-	-
	Span(Hi.)	450	0	450	449.0	1.0	450.0	1	-1	0.0	0.2	-0.2
NO COEF : 1.032 NO2 COEF : 1.000 NOX COEF : 1.031  NO COEF : 1.051 NO2 COEF : 1.000 NOX COEF : 1.020												

	O <sub>3</sub>				
Before Calibrate	Zero	0	-3	3	0.6
	Span(Lo.)	80	-	-	-
	Span(Mid.)	150	-	-	-
	Span(Hi.)	450	443	7	1.6
After Calibrate	Zero	0	1	-1	-0.2
	Span(Lo.)	80	-	-	-
	Span(Mid.)	150	-	-	-
	Span(Hi.)	450	450	0	0.0
Gain : 1.074					

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

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

Comment :

Finish Time : 14.00



บริษัท ราชบุรีเพาวเวอร์ จำกัด  
Ratchaburi Power Co., Ltd.

รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง  
โรงไฟฟ้า บริษัท ราชบุรีเพาวเวอร์ จำกัด

ประจำเดือนสิงหาคม 2565

เสนอต่อ

บริษัท ราชบุรีเพาวเวอร์ จำกัด

โดย

ฝ่ายสิ่งแวดล้อมโครงการ

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย



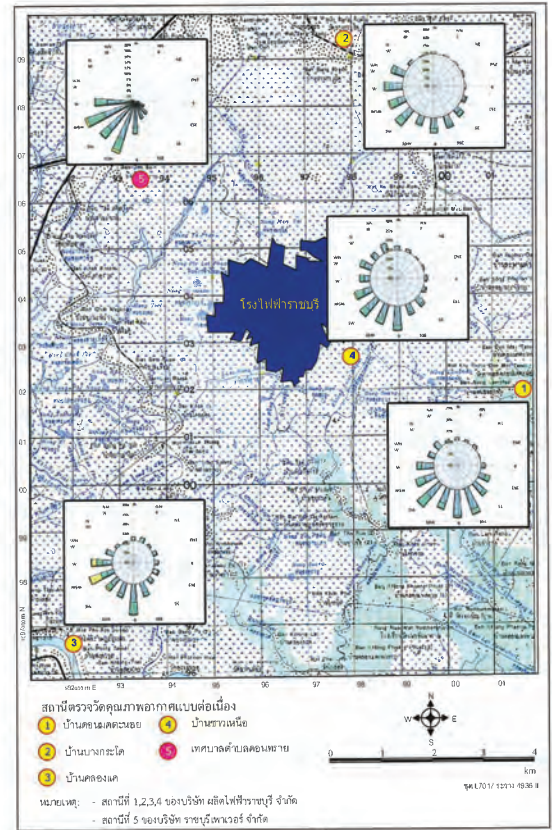
รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง  
โรงไฟฟ้า บริษัท ราชบุรีเพาเวอร์ จำกัด  
เดือนสิงหาคม 2565

ผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง โรงไฟฟ้า บริษัท ราชบุรีเพาเวอร์ จำกัด ประจำเดือนสิงหาคม 2565 จากสถานีตรวจวัดคุณภาพอากาศเทศบาลตำบลดอนทราย ผลการตรวจวัดดัชนีคุณภาพอากาศ พบว่า ผู้คนโดยรวม ผู้คนละอองขนาดเล็กไม่เกิน 10 ไมครอน ผู้คนละอองขนาดเล็กไม่เกิน 2.5 ไมครอน ก๊าซซัลเฟอร์ไดออกไซด์ ก๊าซไนโตรเจนไดออกไซด์ และก๊าซโอโซน มีค่าอยู่ในเกณฑ์มาตรฐานคุณภาพอากาศในบรรยากาศโดยทั่วไป ตามประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ โดยมีรายละเอียดดังนี้

สรุปผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง (สิงหาคม 2565)

สถานีตรวจวัด	ค่าเฉลี่ยในเวลา 24 ชั่วโมง				ค่าเฉลี่ยในเวลา 1 ชั่วโมง		
	(µg/m <sup>3</sup> )				(ppb)		
	TSP	PM-10	PM-2.5	SO <sub>2</sub>	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>
เทศบาลตำบลดอนทราย	25 - 32	13 - 30	5 - 20	0 - 4	0 - 8	2 - 25	2 - 67
มาตรฐาน	330	120	50	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) ฉบับที่ 36 (พ.ศ. 2553)



แผนที่แสดงตำแหน่งที่ตั้งสถานีตรวจวัดคุณภาพอากาศแบบต่อเนื่อง ของโรงไฟฟ้าราชบุรี และโรงไฟฟ้า บริษัท ราชบุรี เพาเวอร์ จำกัด

สถานีเทศบาลตำบลดอนทราย



MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

Month : August

MONITORING STATION : Donsai Sub-district

Year : 2022

Date	SO <sub>2</sub> (ppb)		NO <sub>2</sub> (ppb)		O <sub>3</sub> (ppb)		O <sub>3</sub> (%)
	24-Hr. Avg.	1-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	
1 Aug 22	2	2 - 3	5	2 - 9	2 - 10		N/A
2 Aug 22	2	2	5	3 - 14	2 - 20		N/A
3 Aug 22	4	2 - 5	N/A	2 - 6	2 - 34		N/A
4 Aug 22	2	2 - 3	N/A	N/A	2 - 27		N/A
5 Aug 22	2	2 - 3	N/A	N/A	2 - 36		N/A
6 Aug 22	2	2 - 3	N/A	N/A	2 - 25		N/A
7 Aug 22	2	2	N/A	N/A	3 - 21		N/A
8 Aug 22	2	2 - 3	N/A	N/A	3 - 23		N/A
9 Aug 22	4	3 - 4	N/A	N/A	2 - 20		N/A
10 Aug 22	2	2 - 3	N/A	N/A	2 - 21		N/A
11 Aug 22	0	0 - 1	N/A	N/A	4 - 19		N/A
12 Aug 22	1	0 - 1	N/A	N/A	2 - 21		N/A
13 Aug 22	1	1	N/A	N/A	2 - 34		N/A
14 Aug 22	1	0 - 1	N/A	N/A	2 - 22		N/A
15 Aug 22	2	2 - 3	N/A	N/A	2 - 15		N/A
16 Aug 22	1	1 - 2	N/A	N/A	2 - 15		N/A
17 Aug 22	1	1	N/A	N/A	2 - 20		N/A
18 Aug 22	1	1 - 2	N/A	N/A	2 - 23		N/A
19 Aug 22	1	1	N/A	N/A	2 - 14		N/A
20 Aug 22	1	1 - 2	N/A	N/A	2 - 16		N/A
21 Aug 22	1	1	N/A	N/A	2 - 19		N/A
22 Aug 22	2	1 - 3	N/A	4 - 9	2 - 28		N/A
23 Aug 22	2	1 - 2	N/A	3 - 14	3 - 43		N/A
24 Aug 22	1	1 - 2	7	4 - 10	4 - 26		N/A
25 Aug 22	2	1 - 2	8	4 - 20	2 - 27		N/A
26 Aug 22	1	1	6	3 - 17	2 - 18		N/A
27 Aug 22	1	1 - 2	6	3 - 20	2 - 36		N/A
28 Aug 22	2	1 - 2	5	2 - 16	2 - 29		N/A
29 Aug 22	1	0 - 1	12	5 - 25	2 - 30		N/A
30 Aug 22	1	1 - 2	8	4 - 18	2 - 52		N/A
31 Aug 22	4	2 - 8	7	4 - 16	2 - 67		N/A
Range	0 - 4	0 - 8	5 - 12	2 - 25	2 - 67		-
Number of times exceeded standard	0	0	0	0	0		-
Total Day	31	31	10	13	31		-
Monitoring Hour	735	735	226	226	735		-
Ambient Air Quality Standard	120	300	-	170	100		-

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





MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.  
MONITORING STATION : Donsai Sub-district

MONTH : August  
YEAR : 2022

Date	TSP (µg/m <sup>3</sup> )		PM-10 (µg/m <sup>3</sup> )		PM-2.5 (µg/m <sup>3</sup> )
	Micro balance	Hi volume	Micro balance	Hi volume	Micro balance
1 Aug 22	N/A		16		9
2 Aug 22	N/A		17		30
3 Aug 22	N/A		13		5
4 Aug 22	N/A		15		7
5 Aug 22	N/A		18		8
6 Aug 22	N/A	29	26	N/A	13
7 Aug 22	N/A		17		10
8 Aug 22	N/A		15		9
9 Aug 22	N/A		18		
10 Aug 22	N/A		16		8
11 Aug 22	N/A		20		11
12 Aug 22	N/A	25	22	N/A	14
13 Aug 22	N/A		26		16
14 Aug 22	N/A		22		14
15 Aug 22	N/A		20		10
16 Aug 22	N/A		19		10
17 Aug 22	N/A		21		13
18 Aug 22	N/A	27	24	N/A	15
19 Aug 22	N/A		19		11
20 Aug 22	N/A		22		13
21 Aug 22	N/A		23		13
22 Aug 22	N/A		18		9
23 Aug 22	N/A		23		14
24 Aug 22	N/A	32	29	N/A	17
25 Aug 22	N/A		27		18
26 Aug 22	N/A		19		11
27 Aug 22	N/A		19		10
28 Aug 22	N/A		16		9
29 Aug 22	N/A		25		16
30 Aug 22	N/A	28	26	N/A	17
31 Aug 22	N/A		30		20
Range		25 - 32	13 - 30		5 - 20
Number of times exceeded standard		0	0		0
Total Day Monitoring Hour		5	31		741
Ambient Air Quality Standard		330	120		50

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



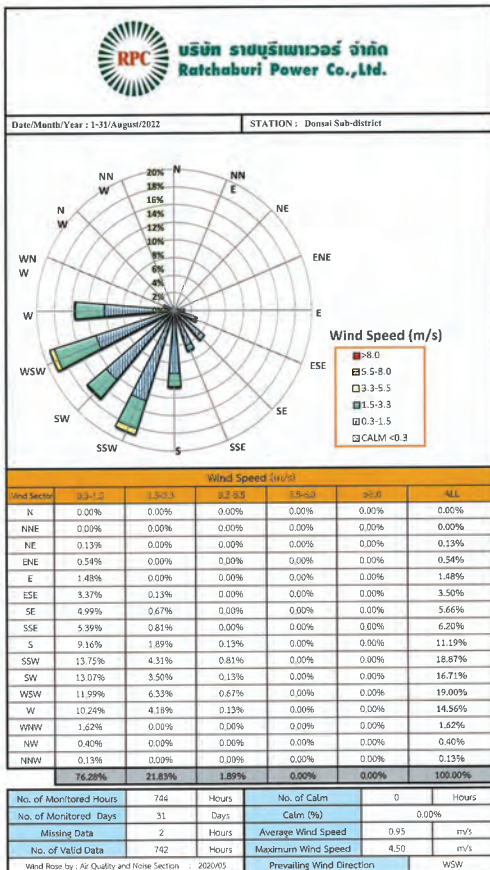
MONTHLY REPORT  
METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.  
MONITORING STATION : Donsai Sub-district

Month : August  
YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge	
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Sum.	Sum (mm)
1 Aug 22	24.7	30.4	27.2	86	100	97	998	1,003	1,000	21.6	
2 Aug 22	24.9	34.2	28.5	71	100	90	999	1,004	1,001	1.8	
3 Aug 22	26.1	36.5	29.2	61	100	87	1,001	1,008	1,004	21.2	
4 Aug 22	26.3	36.1	30.0	55	100	80	1,002	1,007	1,005	12.8	
5 Aug 22	24.9	34.6	27.8	62	99	88	1,000	1,006	1,003	20.8	
6 Aug 22	25.9	35.5	30.3	60	99	80	997	1,004	1,001	0.4	
7 Aug 22	26.2	33.5	29.5	63	97	80	998	1,004	1,001	0.0	
8 Aug 22	25.2	31.6	27.3	77	100	92	1,000	1,006	1,003	18.0	
9 Aug 22	25.0	34.5	28.9	63	100	84	999	1,005	1,002	4.4	
10 Aug 22	26.8	34.6	30.0	64	94	78	998	1,003	1,001	0.0	
11 Aug 22	26.7	34.4	30.0	62	96	77	999	1,005	1,001	0.0	
12 Aug 22	26.2	34.2	29.3	64	97	83	1,001	1,006	1,003	0.0	
13 Aug 22	26.1	37.3	30.0	55	99	82	1,002	1,007	1,005	0.0	
14 Aug 22	25.2	36.6	30.2	57	99	81	1,002	1,008	1,005	0.8	
15 Aug 22	25.8	37.9	30.1	53	100	82	999	1,007	1,004	10.6	
16 Aug 22	26.2	34.9	29.5	61	100	83	998	1,005	1,002	0.2	
17 Aug 22	25.3	35.0	29.7	59	99	80	1,000	1,006	1,003	2.6	
18 Aug 22	25.7	36.8	29.4	56	98	85	1,001	1,006	1,004	2.2	
19 Aug 22	26.0	35.8	30.0	59	97	80	1,001	1,006	1,004	0.4	
20 Aug 22	26.5	35.9	30.0	58	93	80	999	1,005	1,002	0.0	
21 Aug 22	26.3	36.8	28.9	56	99	88	998	1,003	1,001	24.6	
22 Aug 22	25.5	36.1	30.0	55	100	79	1,000	1,007	1,003	6.8	
23 Aug 22	24.4	38.2	30.7	50	97	77	999	1,007	1,004	23.2	
24 Aug 22	27.3	39.3	31.9	47	93	73	997	1,006	1,003	0.0	
25 Aug 22	25.1	35.4	29.3	61	100	84	997	1,004	1,001	26.0	
26 Aug 22	25.4	35.5	27.8	63	100	93	999	1,007	1,003	15.2	
27 Aug 22	25.4	36.3	29.7	62	100	86	1,002	1,008	1,005	9.4	
28 Aug 22	24.6	36.2	29.6	61	100	86	1,001	1,008	1,005	24.4	
29 Aug 22	24.5	30.0	27.1	81	100	96	1,003	1,010	1,006	23.8	
30 Aug 22	25.0	35.8	29.5	60	100	84	1,004	1,010	1,007	0.0	
31 Aug 22	25.8	36.7	30.5	58	100	83	1,001	1,009	1,005	0.0	
Total	24.4	39.3	29.4	47	100	84	997	1,010	1,003	271.2	
Day	31			31			31			31	
Hours	742			742			742			733	

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



Equipment Status of Ban Chao Nua Monitoring Station "August 2022"									
No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No	Description	
4	Ban Chao Nua (CN)	SO <sub>2</sub>	Thermo Scientific	434-B2548	1315757997	Normal	2021096		
		NO <sub>2</sub>	Thermo Scientific	434-B2548	1315757999	Normal	2021098		
		O <sub>3</sub>	Thermo Scientific	494-B2048	1315757999	Normal	2021010		
		DUST (TSP)	Thermo Scientific	5014 (in 25-004-4)	CM13211005	Normal	20210894		
		DUST (PM - 10)	Thermo Scientific	5014 (in 25-004-3)	CM13211005	Normal	20210992		
		ZERO AIR	Thermo Scientific	1160-BHPC	1315758001	Normal	20210102.1		
		CALIBRATOR	Thermo Scientific	146-888EAB	1315758001	Normal	20210102.3		
		DATA LOGGER/DAQ	ADVANTECH	IPC-510	9044187933	Normal	60110232.0000.1.3.4		
		Data LOGGER License	Envitech	Envitech Ultimate	281250	Normal			
		Switch Hub 16 port	TP-LINK	TL-SF1016	12886701720	Normal			
		UPS	Power Mate	TR-3000	13 VEI 00042	Normal			
		Display LCD 20"	HP	P201	6C03151918	Normal	60110252.2		
		KeyBoard Wireless	Logitech	K220	13145C105468	Normal			
		Mouse Wireless	Logitech	M150	13155C002028	Normal			
		Standard Gas	Airgas		LL121500	Normal			
		WIND SPEED	LASTEM	DNA 827	BZ 1506562	Normal	20210013.0013		
		WIND DIRECTION	LASTEM	DNA 827	BZ 1506562	Normal	20210013.0014		
		AIR TEMPERATURE	LASTEM	DMA 875	CH 1506501	Normal	20210013.0015		
		RELATIVE HUMIDITY	LASTEM	DMA 875	CH 1506501	Normal	20210013.0016		
		BAROMETRIC PRESSURE	LASTEM	DOA 208		Normal	20210013.0016		
		RAIN GAUGE	LASTEM	DOA 030		Normal	20210013.0018		

ภาคผนวก

สถานีบ้านดอนมดตะนอย  
(สถานที่ตรวจวัด : วัดนักบุญอันโตนิโอ)



MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT

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

MONTH : August  
YEAR : 2022

Date	Concentration					
	TSP (µg/m <sup>3</sup> )	PM-10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (ppb)		NO <sub>2</sub> (ppb)	O <sub>3</sub> (ppb)
	24-Hr Avg	24-Hr Avg	24-Hr Avg	1-Hr Avg	1-Hr Avg	1-Hr Avg
1 Aug 22	18	13	2	2 - 5	2 - 7	3 - 17
2 Aug 22	23	15	3	2 - 5	2 - 8	5 - 24
3 Aug 22	18	11	3	2 - 3	2 - 6	3 - 35
4 Aug 22	21	14	3	2 - 8	2 - 8	3 - 13
5 Aug 22	24	15	3	2 - 3	3 - 13	5 - 57
6 Aug 22	28	20	3	2 - 5	3 - 8	2 - 35
7 Aug 22	16	11	3	2 - 5	2 - 9	7 - 29
8 Aug 22	18	11	3	2 - 6	2 - 6	5 - 30
9 Aug 22	19	11	3	2 - 6	2 - 8	6 - 28
10 Aug 22	22	11	3	2 - 6	1 - 7	3 - 25
11 Aug 22	24	16	3	2 - 3	1 - 8	4 - 36
12 Aug 22	24	16	3	2 - 3	2 - 4	3 - 30
13 Aug 22	25	N/A	3	3	1 - 6	2 - 38
14 Aug 22	21	N/A	3	2 - 4	2 - 5	2 - 33
15 Aug 22	22	N/A	4	2 - 19	2 - 5	4 - 20
16 Aug 22	20	N/A	3	2 - 3	1 - 8	2 - 22
17 Aug 22	20	11	2	2 - 3	1 - 5	5 - 26
18 Aug 22	19	11	3	2 - 3	2 - 9	3 - 36
19 Aug 22	31	N/A	4	2 - 10	2 - 6	2 - 27
20 Aug 22	23	15	3	2 - 5	2 - 5	3 - 24
21 Aug 22	27	5	3	2 - 3	1 - 6	2 - 24
22 Aug 22	20	7	3	2 - 3	1 - 6	3 - 36
23 Aug 22	34	N/A	3	2 - 5	2 - 10	3 - 46
24 Aug 22	29	20	3	2 - 3	2 - 6	5 - 34
25 Aug 22	28	21	3	2 - 3	2 - 7	3 - 46
26 Aug 22	21	12	3	2 - 3	2 - 7	5 - 25
27 Aug 22	22	14	3	3 - 4	2 - 7	2 - 38
28 Aug 22	20	10	3	2 - 3	1 - 13	5 - 51
29 Aug 22	30	19	3	3	2 - 10	3 - 41
30 Aug 22	39	27	3	2 - 4	4 - 17	3 - 59
31 Aug 22	33	22	3	2 - 3	1 - 14	4 - 43
Range	16 - 39	5 - 27	2 - 4	2 - 19	1 - 17	2 - 59
Number of times exceeded standard	0	0	0	0	0	0
Total / Day	31	25	31	31	31	31
Monitoring Hour	744	567	727	727	727	727
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<sub>2</sub> = Sulfur Dioxide  
5) NO<sub>2</sub> = 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

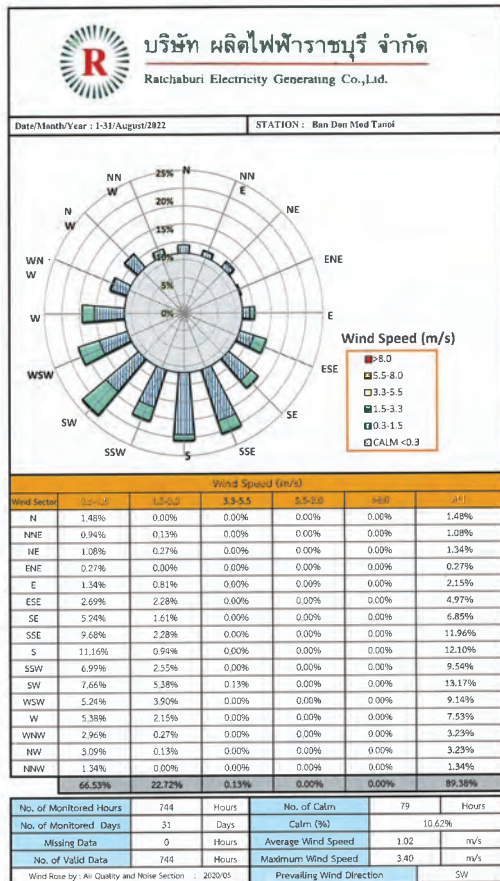
MONITORING STATION : Ban Don Mod Tanol

YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Aug 22	24.1	29.5	26.3	95	99	99	1,004	1,007	1,006	21.4
2 Aug 22	23.8	33.4	26.7	63	99	94	1,005	1,008	1,006	7.8
3 Aug 22	25.0	34.1	28.1	54	99	86	1,006	1,011	1,008	0.2
4 Aug 22	25.1	33.5	28.6	49	99	77	1,006	1,010	1,009	0.2
5 Aug 22	24.0	32.9	26.8	52	99	89	1,006	1,009	1,008	6.6
6 Aug 22	25.1	33.1	28.8	54	99	78	1,003	1,008	1,006	0.0
7 Aug 22	25.1	31.6	28.3	55	99	78	1,004	1,008	1,006	0.2
8 Aug 22	23.6	30.4	26.4	69	99	95	1,005	1,010	1,008	12.0
9 Aug 22	23.3	33.0	27.4	53	99	80	1,004	1,009	1,007	4.0
10 Aug 22	25.6	33.0	28.7	53	99	76	1,003	1,008	1,006	0.0
11 Aug 22	25.0	33.0	28.5	54	99	75	1,004	1,009	1,006	0.0
12 Aug 22	25.2	32.4	27.5	56	99	86	1,006	1,009	1,007	8.2
13 Aug 22	24.7	35.9	28.6	45	99	82	1,006	1,010	1,009	0.0
14 Aug 22	24.3	36.0	28.3	45	99	84	1,006	1,010	1,009	2.8
15 Aug 22	24.0	35.8	28.1	45	99	83	1,004	1,010	1,008	23.6
16 Aug 22	24.4	33.1	27.8	52	99	83	1,004	1,009	1,007	2.6
17 Aug 22	24.4	32.5	28.1	52	99	78	1,005	1,010	1,007	0.4
18 Aug 22	24.8	35.5	28.2	46	99	85	1,006	1,009	1,008	0.6
19 Aug 22	25.2	34.5	28.7	49	99	81	1,005	1,009	1,008	0.0
20 Aug 22	25.3	34.3	28.1	51	99	85	1,004	1,008	1,006	0.4
21 Aug 22	25.1	33.9	27.3	50	99	88	1,004	1,007	1,006	5.6
22 Aug 22	24.5	33.9	28.8	46	99	73	1,005	1,010	1,007	0.0
23 Aug 22	23.8	37.0	29.5	43	99	75	1,005	1,010	1,008	0.0
24 Aug 22	25.9	36.9	30.3	39	99	73	1,002	1,009	1,006	0.0
25 Aug 22	24.5	33.7	28.1	55	99	85	1,003	1,007	1,005	14.4
26 Aug 22	24.0	33.4	26.1	56	99	92	1,004	1,010	1,007	17.4
27 Aug 22	23.9	35.7	28.4	49	99	84	1,006	1,010	1,009	5.6
28 Aug 22	23.4	35.1	28.5	51	99	82	1,005	1,010	1,008	24.2
29 Aug 22	23.7	29.3	25.9	79	99	97	1,007	1,011	1,009	14.4
30 Aug 22	23.7	35.1	28.4	46	99	82	1,007	1,012	1,009	0.0
31 Aug 22	24.6	35.6	29.3	45	99	81	1,006	1,010	1,008	0.0
Total	23.3	37.0	28.0	39	99	83	1,002	1,012	1,007	172.6
Day	31			31			31			31
Hours	744			744			744			744

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





สถานีบ้านบางกะโด  
(สถานที่ตรวจวัด : วัดบางกะโด)

No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No.	Description
1	บ้านบางกะโด (วัดบางกะโด)	SO <sub>2</sub> NO <sub>2</sub> O <sub>3</sub> DUST (TSP) DUST (PM <sub>10</sub> - 10)	Thermo Scientific Thermo Scientific Thermo Scientific Thermo Scientific Thermo Scientific	43425CA 421-BZMDOCA 401-BZMDOCA 5014/50301 5014/50301	1162850018 1162850016 1162850020 CM16471015 CM16471015	Normal Normal Normal Normal Normal	20511161 20511166 20511169 20511172 20511170	
		ZERO AIR CALIBRATOR DATA LOGGER Switch Hub 16 port UPS Display LCD 20"	Thermo Scientific Thermo Scientific ADVA TECH TP-LINK Power Mate hp	1160 BPP2N 189-BB86FCA IPC-30 TL-SF1016 TH-5000 P201	1162850022 1162850024 KMA1478934 1286700507 136500089 6CM151950	Normal Normal Normal Normal Normal Normal	20511174 20511176 60110253.1.3.4 60110253.1.3.4 60110253.2 60110253.2	
		Keyboard Mouse Standard Gas WIND SPEED WIND DIRECTION AIR TEMPERATURE RELATIVE HUMIDITY BAROMETRIC PRESSURE RAIN GAUGE	Logitech Logitech Averas LASTEM LASTEM LASTEM LASTEM LASTEM LASTEM	M150 M150 DNA 507/DNA 007 DNA 516/DNA 017 DMA 875 DMA 875 DMA 875 DMA 875 DMA 875 DMA 875	11111565 11111565 DNA 507/DNA 007 DNA 516/DNA 017 DMA 875 DMA 875 DMA 875 DMA 875 DMA 875	Normal Normal Normal Normal Normal Normal Normal Normal Normal	20511174 20511176 60110253.1.3.4 60110253.1.3.4 60110253.2 60110253.2 60110253.2 60110253.2 60110253.2	

**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 : 2022

Date	Concentration					
	TSP (µg/m <sup>3</sup> ) 24 Hr. Avg.	PM <sub>10</sub> (µg/m <sup>3</sup> ) 24 Hr. Avg.	SO <sub>2</sub> (ppb) 24 Hr. Avg.	NO <sub>2</sub> (ppb) 1-Hr. Avg.	O <sub>3</sub> (ppb) 1-Hr. Avg.	O <sub>3</sub> (ppb) 1-Hr. Avg.
1 Aug 22	32	14	2	2	2	18 - 28
2 Aug 22	32	14	2	2	1	15 - 39
3 Aug 22	29	12	2	2	1	15 - 46
4 Aug 22	33	14	2	2	1	16 - 41
5 Aug 22	34	17	2	2	2	15 - 50
6 Aug 22	40	24	2	2	2	15 - 44
7 Aug 22	30	14	2	2	1	17 - 34
8 Aug 22	28	10	2	2	1	18 - 38
9 Aug 22	29	13	2	2	1	17 - 36
10 Aug 22	30	15	2	2	0	9 - 32
11 Aug 22	34	18	2	2	0	9 - 26
12 Aug 22	35	19	2	2	0	5 - 26
13 Aug 22	36	21	2	2	0	5 - 40
14 Aug 22	32	14	2	2	0	4 - 29
15 Aug 22	33	16	2	2	0	5 - 19
16 Aug 22	29	12	2	2	0	5 - 20
17 Aug 22	31	17	2	2	0	8 - 24
18 Aug 22	33	15	2	2	0	4 - 26
19 Aug 22	36	20	2	2	0	4 - 28
20 Aug 22	36	17	2	2	0	5 - 21
21 Aug 22	39	18	2	2	0	5 - 23
22 Aug 22	36	17	2	2	0	5 - 36
23 Aug 22	36	21	2	2	1	5 - 59
24 Aug 22	39	22	2	2	0	8 - 31
25 Aug 22	38	19	2	2	1	5 - 47
26 Aug 22	35	16	2	2	1	7 - 28
27 Aug 22	30	16	2	2	1	5 - 42
28 Aug 22	32	16	2	2	0	6 - 43
29 Aug 22	43	24	2	2	2	5 - 37
30 Aug 22	42	26	2	2	2	5 - 59
31 Aug 22	46	29	2	2	1	6 - 45
Range	28 - 44	10 - 29	2	2	0 - 17	6 - 59
Number of times exceeded standard	0	0	0	0	0	0
Total Day	31	31	31	31	31	31
Monitoring Hour	744	744	710	710	710	709
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<sub>10</sub> : - Particulate Matter less than 10 µm  
4) SO<sub>2</sub> : - Sulfur Dioxide  
5) NO<sub>2</sub> : - Nitrogen Dioxide  
6) N/A : - Data not Available  
7) \* : - Exceeding air quality standards  
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 : Wat Bang Gado

YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Aug 22	23.6	28.5	26.0	100	100	100	1,004	1,008	1,006	41.4
2 Aug 22	23.5	31.4	26.7	90	100	99	1,005	1,009	1,007	1.0
3 Aug 22	25.1	32.6	27.6	64	100	92	1,006	1,011	1,008	1.8
4 Aug 22	25.1	33.4	28.4	53	100	83	1,006	1,010	1,009	0.2
5 Aug 22	23.5	31.5	26.5	63	100	93	1,006	1,010	1,008	14.8
6 Aug 22	25.3	32.8	28.8	59	100	82	1,003	1,009	1,006	0.0
7 Aug 22	25.0	31.6	28.3	61	100	82	1,004	1,009	1,006	0.2
8 Aug 22	24.1	29.4	26.2	40	100	94	1,005	1,010	1,008	13.2
9 Aug 22	23.5	32.7	27.3	44	100	94	1,004	1,010	1,007	3.2
10 Aug 22	25.8	32.5	28.7	N/A	N/A	N/A	1,004	1,007	1,006	0.0
11 Aug 22	25.4	32.3	28.3	N/A	N/A	N/A	1,004	1,009	1,006	0.6
12 Aug 22	25.2	31.4	27.6	N/A	N/A	N/A	1,006	1,010	1,008	0.8
13 Aug 22	25.1	33.5	28.3	N/A	N/A	N/A	1,006	1,010	1,009	0.2
14 Aug 22	24.5	33.9	28.7	N/A	N/A	N/A	1,006	1,011	1,009	0.0
15 Aug 22	24.6	35.5	28.5	N/A	N/A	N/A	1,004	1,010	1,008	6.4
16 Aug 22	25.1	32.7	28.2	N/A	N/A	N/A	1,004	1,009	1,007	0.0
17 Aug 22	25.1	32.3	28.3	N/A	N/A	N/A	1,005	1,010	1,007	0.2
18 Aug 22	25.1	33.6	27.8	N/A	N/A	N/A	1,006	1,009	1,008	1.6
19 Aug 22	24.9	33.0	28.6	N/A	N/A	N/A	1,005	1,009	1,008	0.2
20 Aug 22	25.6	34.4	26.6	N/A	N/A	N/A	1,004	1,008	1,007	0.2
21 Aug 22	25.0	33.7	27.4	N/A	N/A	N/A	1,004	1,008	1,006	14.0
22 Aug 22	24.8	33.7	28.6	N/A	N/A	N/A	1,005	1,010	1,007	0.2
23 Aug 22	23.8	34.8	29.0	N/A	N/A	N/A	1,005	1,010	1,008	0.2
24 Aug 22	26.1	36.2	30.3	N/A	N/A	N/A	1,002	1,009	1,006	0.0
25 Aug 22	23.9	32.6	27.6	N/A	N/A	N/A	1,002	1,007	1,005	16.6
26 Aug 22	24.2	32.7	26.3	N/A	N/A	N/A	1,004	1,010	1,007	13.6
27 Aug 22	24.1	33.0	27.9	N/A	N/A	N/A	1,005	1,010	1,008	4.0
28 Aug 22	22.9	33.7	28.2	N/A	N/A	N/A	1,004	1,010	1,007	27.4
29 Aug 22	23.3	28.6	26.0	N/A	N/A	N/A	1,006	1,011	1,009	26.6
30 Aug 22	23.7	33.2	28.2	N/A	N/A	N/A	1,006	1,011	1,009	0.0
31 Aug 22	25.1	33.7	29.0	N/A	N/A	N/A	1,005	1,010	1,008	0.0
Total	22.9	36.2	27.9	40	100	91	1,002	1,011	1,007	190.6
Day	31			9			31			31
Hours	744			194			744			744

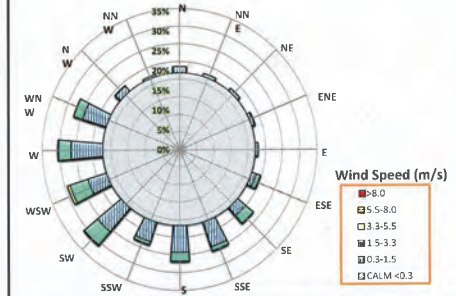
Remarks : P = Power Fail F = Equipment Fail , N/A = Data not Available



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co., Ltd.

Date/Month/Year : 1-31/August/2022

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	1.61%	0.00%	0.00%	0.00%	0.00%	1.61%
NNE	0.81%	0.00%	0.00%	0.00%	0.00%	0.81%
NE	0.81%	0.00%	0.00%	0.00%	0.00%	0.81%
ENE	0.81%	0.13%	0.00%	0.00%	0.00%	0.94%
E	0.67%	0.00%	0.00%	0.00%	0.00%	0.67%
ESE	1.21%	1.08%	0.13%	0.00%	0.00%	2.42%
SE	2.49%	2.55%	0.00%	0.00%	0.00%	5.04%
SSE	6.59%	1.08%	0.00%	0.00%	0.00%	7.66%
S	6.72%	2.28%	0.00%	0.00%	0.00%	9.01%
SSW	5.11%	0.81%	0.00%	0.00%	0.00%	5.91%
SW	7.60%	4.44%	0.13%	0.00%	0.00%	12.37%
WSW	4.91%	4.84%	0.67%	0.00%	0.00%	10.48%
W	8.20%	3.23%	0.13%	0.00%	0.00%	11.56%
WNW	6.32%	2.42%	0.00%	0.00%	0.00%	8.74%
NW	1.75%	0.13%	0.00%	0.00%	0.00%	1.88%
NNW	0.54%	0.00%	0.00%	0.00%	0.00%	0.54%
	56.59%	22.98%	1.08%	0.00%	0.00%	80.65%
No. of Monitored Hours	744	Hours	No. of Calm	144	Hours	
No. of Monitored Days	31	Days	Calm (%)	19.35%		
Missing Data	0	Hours	Average Wind Speed	1.03	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		
				SW		

Equipment Status of Wat Gang Gado Monitoring Station "August 2022"						
No.	Site	Analyzer	Brand	Model	S/N	Status
2	วัดรางจืด (BD)	SO <sub>2</sub>	Thermo Scientific	43-1325AB	131575798	Normal
		NO <sub>2</sub>	Thermo Scientific	42-82050AB	131575795	Normal
		O <sub>3</sub>	Thermo Scientific	49-820AB	131575800	Normal
		DUST (TSP)	Thermo Scientific	50141 (in26-004-2)	CM1321004	Normal
		DUST (PM - 10)	Thermo Scientific	50141 (in26-004-1)	CM1321003	Normal
		ZERO AIR	Thermo Scientific	1160 BH9C	202101002.2	Normal
		CALIBRATOR	Thermo Scientific	1461-8832AB	20210102.4	Normal
		DATA LOGGER (in26-004-1)	ADVANTECH	IPC-510	60110254.0.1.3.4	Normal
		Ethernet Switch	TP-LINK	TL-SF1016	-	Normal
		UPS	Power Mate	TH-3000	13 NE 00077	Normal
		Display LCD 20"	HP	P201	6CM30205C2	Normal
		Keyboard Wireless	Logitech	K920	1315C105MA48	Normal
		Mouse Wireless	Logitech	M150	1315C105MA48	Normal
		Standard Gas	Aligas	-	LL156436	Normal
		WIND SPEED	LASTEM	DNA 827	BZ 1506463	Normal
		WIND DIRECTION	LASTEM	DNA 827	BZ 1506463	Normal
		AIR TEMPERATURE	LASTEM	DNA 875	CH 1506498	Normal
		RELATIVE HUMIDITY	LASTEM	DNA 875	CH 1506498	Fail
		BAROMETRIC PRESSURE	LASTEM	DQA-208	-	Normal
		RAIN GAUGE	LASTEM	DQA-090	-	Normal

สถานีบ้านคลองแค  
(สถานที่ตรวจวัด : วัดโพธิ์ราชวรวิหาร)



MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT

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

MONTH : August  
YEAR : 2022

Date	Concentration					
	TSP (µg/m <sup>3</sup> )	PM-10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (ppb)	NO <sub>2</sub> (ppb)	O <sub>3</sub> (ppb)	
	24-Hr. Avg.	24-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Aug 22	N/A	16	3	2 - 3	2 - 8	3 - 20
2 Aug 22	N/A	14	2	2 - 3	1 - 11	4 - 28
3 Aug 22	N/A	12	2	2 - 3	1 - 10	3 - 31
4 Aug 22	N/A	18	3	2 - 5	2 - 13	3 - 32
5 Aug 22	N/A	17	3	2 - 4	2 - 13	3 - 41
6 Aug 22	N/A	21	3	2 - 3	2 - 10	3 - 37
7 Aug 22	N/A	12	3	2 - 3	2 - 7	8 - 27
8 Aug 22	N/A	13	3	2 - 4	2 - 9	5 - 30
9 Aug 22	N/A	14	3	3	1 - 9	4 - 27
10 Aug 22	N/A	14	3	3 - 4	1 - 6	4 - 23
11 Aug 22	N/A	18	3	3 - 4	2 - 8	9 - 35
12 Aug 22	N/A	19	3	2 - 3	1 - 6	3 - 34
13 Aug 22	N/A	21	3	3	1 - 7	3 - 39
14 Aug 22	N/A	18	3	3 - 4	1 - 6	3 - 31
15 Aug 22	N/A	16	3	3	1 - 5	3 - 23
16 Aug 22	N/A	16	3	2 - 3	1 - 6	3 - 22
17 Aug 22	N/A	10	3	2 - 3	1 - 6	8 - 28
18 Aug 22	N/A	15	3	2 - 3	2 - 8	5 - 37
19 Aug 22	N/A	14	3	3 - 4	1 - 7	3 - 32
20 Aug 22	N/A	N/A	N/A	3 - 5	1 - 6	4 - 25
21 Aug 22	N/A	N/A	N/A	N/A	N/A	N/A
22 Aug 22	N/A	N/A	N/A	1 - 3	2 - 6	19 - 31
23 Aug 22	N/A	22	3	3 - 4	0 - 7	6 - 36
24 Aug 22	N/A	22	3	3 - 4	0 - 6	5 - 33
25 Aug 22	N/A	25	3	3 - 4	0 - 7	4 - 46
26 Aug 22	N/A	14	3	3 - 4	1 - 7	4 - 24
27 Aug 22	N/A	14	3	3 - 4	2 - 8	3 - 38
28 Aug 22	N/A	15	3	3 - 4	1 - 10	5 - 45
29 Aug 22	N/A	22	3	3 - 4	3 - 18	4 - 45
30 Aug 22	N/A	26	4	3 - 5	3 - 11	4 - 70
31 Aug 22	N/A	25	3	3 - 4	1 - 11	5 - 47
Range	-	10 - 26	2 - 4	1 - 5	0 - 18	3 - 70
Number of times exceeded standard	-	0	0	0	0	0
Total	Day	28	28	30	30	30
Monitoring Hour	-	667	643	643	669	669
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) PM-10 = Particulate Matter less than 10 µm  
4) SO<sub>2</sub> = Sulfur Dioxide  
5) NO<sub>2</sub> = 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 Klong Klao

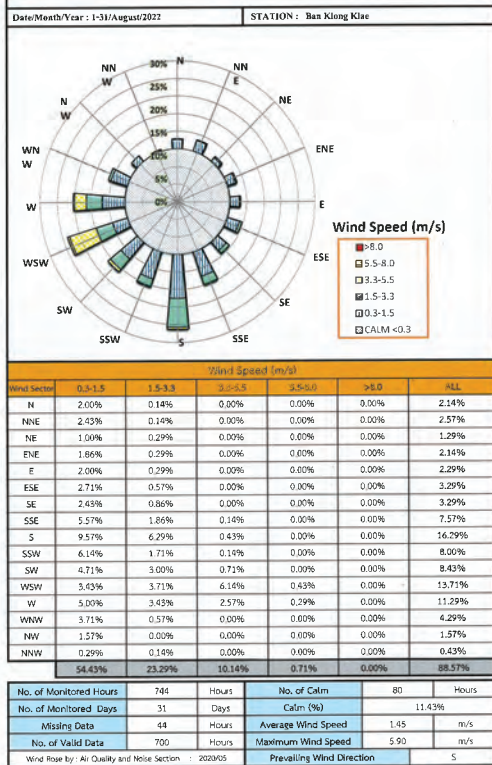
YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Aug 22	24.6	29.5	26.7	95	100	99	1,002	1,006	1,005	14.0
2 Aug 22	24.1	31.6	26.7	71	100	95	1,004	1,007	1,005	1.6
3 Aug 22	24.9	34.4	28.2	54	100	86	1,004	1,010	1,007	5.8
4 Aug 22	25.3	33.5	28.8	48	100	76	1,005	1,009	1,007	0.0
5 Aug 22	25.5	33.6	27.6	51	99	86	1,005	1,008	1,007	1.2
6 Aug 22	25.7	34.4	29.5	52	99	74	1,002	1,007	1,005	0.0
7 Aug 22	25.7	31.8	28.8	54	99	76	1,002	1,007	1,005	0.0
8 Aug 22	24.2	30.8	26.6	68	99	94	1,004	1,009	1,006	9.2
9 Aug 22	24.1	33.3	28.0	51	100	78	1,003	1,008	1,006	2.8
10 Aug 22	26.1	32.4	29.0	57	99	74	1,002	1,006	1,004	0.0
11 Aug 22	26.5	32.8	29.1	53	89	69	1,003	1,008	1,005	0.0
12 Aug 22	25.1	32.8	27.6	53	99	87	1,004	1,008	1,006	8.4
13 Aug 22	25.1	35.4	28.9	66	99	81	1,005	1,008	1,007	0.0
14 Aug 22	24.8	34.4	28.5	49	99	85	1,005	1,009	1,008	7.6
15 Aug 22	24.3	34.9	28.0	48	100	85	1,003	1,008	1,007	34.6
16 Aug 22	24.6	32.8	28.4	53	100	79	1,002	1,008	1,005	0.0
17 Aug 22	25.5	32.7	28.8	51	99	76	1,003	1,008	1,006	0.0
18 Aug 22	25.5	34.5	29.1	50	99	81	1,004	1,008	1,006	0.0
19 Aug 22	25.7	34.3	29.6	51	99	75	1,003	1,008	1,006	0.0
20 Aug 22	26.3	34.0	29.4	51	97	75	1,002	1,007	1,005	0.6
21 Aug 22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
22 Aug 22	27.3	36.2	30.8	46	68	57	1,003	1,008	1,005	0.0
23 Aug 22	24.1	35.4	29.7	46	99	73	1,003	1,008	1,006	0.0
24 Aug 22	26.1	37.3	30.7	38	99	71	1,001	1,008	1,005	0.0
25 Aug 22	24.5	33.8	28.5	53	100	81	1,001	1,006	1,004	15.2
26 Aug 22	23.8	34.0	26.1	53	100	94	1,003	1,009	1,006	28.4
27 Aug 22	23.9	34.9	28.6	50	100	83	1,004	1,009	1,007	3.0
28 Aug 22	23.8	34.4	28.7	53	100	83	1,004	1,009	1,007	22.0
29 Aug 22	24.1	29.3	26.4	74	99	96	1,005	1,010	1,008	8.8
30 Aug 22	24.4	35.2	28.8	50	100	81	1,005	1,010	1,008	0.0
31 Aug 22	25.4	36.4	30.0	42	99	79	1,004	1,009	1,007	0.0
Total	23.8	37.3	28.5	38	100	81	1,001	1,010	1,006	163.2
Day	30			30			30			30
Hours	700			700			700			700

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



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co.,Ltd.



No.	Site	Equipment Status of Ban Klong Klao Monitoring Station "August 2022"					Description
		Analyzer	Brand	Model	SN	Status	
3	Ban Klong Klao (สถานีตรวจวัด)	SO <sub>2</sub>	Thermo Scientific	434-BZSCA	1162850017	Normal	Heater ล้างระบบ ทำให้อัตราการตรวจวัดต่ำ จึงไม่มีข้อมูลตรวจวัดในวันที่ 1-31 Aug 2022
		NO <sub>2</sub>	Thermo Scientific	421-BZSCA	1162850015	Normal	
		O <sub>3</sub>	Thermo Scientific	49-BDCA	1162850019	Normal	
		DUST (TSP)	Thermo Scientific	5014-2630A	CM16461001	Fail	
		ZERO AIR	Thermo Scientific	5014-2630B	CM16471014	Normal	
		CALIBRATOR	Thermo Scientific	1160-BIP2N	1162850021	Normal	โหม่งเซ็นเซอร์ ทำให้อัตราการตรวจวัดต่ำ จึงไม่มีข้อมูลตรวจวัด วันที่ 26hr. ในวันที่ 20-22 Aug 2022
		DATA LOGGER	ADVANTECH	IPC-50	1162850023	Normal	
		DATA LOGGER	HP	Compaq	KJIA147893A	Normal	
		Switch Hub 16 port	DL-LINK	DE-5-10160	55505020W2	Normal	
		UPS	Powermatic	TR-3000	F3065C/A002170	Normal	
		CPU	hp	d550 SFF	13 K01 00887	Normal	
		Display LCD 20"	HP	P201	6CMA3151954	Normal	
		Keyboard Wireless	Logitech	K220	13145C105F1H8	Normal	
		Mouse Wireless	Logitech	M150	LL156448	Normal	
		Standard Gas	Aligas	-	-	Normal	
		WIND SPEED	LASTEM	DNA 407/DNA 007	-	Normal	
		WIND DIRECTION	LASTEM	DNA 516/DNA 017	-	Normal	
		RELATIVE HUMIDITY	LASTEM	DMA 875	CH 1506488	Normal	
		BAROMETRIC PRESSURE	LASTEM	DMA 875	CH 1506488	Normal	
		RAIN GAUGE	LASTEM	RD0017	DOA 208	Normal	
					DOA 030	Normal	



สถาบันบ้านขาวเหนือ  
(สถานที่ตรวจวัด : บ้านขาวเหนือ)

MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT  
PROJECT : Ratchaburi Electricity Generating Co.,Ltd.  
MONITORING STATION : Ban Chao Nua  
MONTH : August  
YEAR : 2022

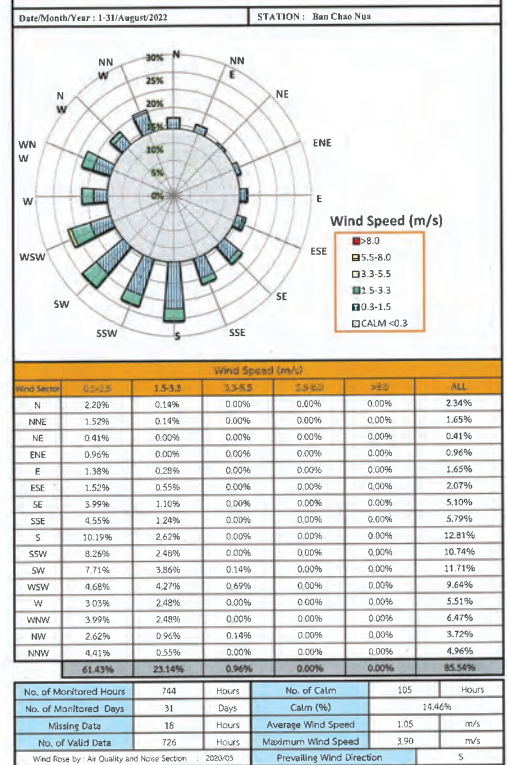
Date	Concentration				
	TSP (µg/m <sup>3</sup> )	PM-10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (ppb)		NO <sub>2</sub> (ppb)
	24-Hr Avg	24-Hr Avg	24-Hr Avg	1-Hr Avg	1-Hr Avg
1 Aug 22	17	12	1	1 - 2	3 - 8
2 Aug 22	19	16	1	1 - 2	2 - 8
3 Aug 22	17	13	1	1	2 - 6
4 Aug 22	18	15	2	1 - 7	2 - 7
5 Aug 22	21	14	1	1	2 - 12
6 Aug 22	30	21	1	1 - 6	3 - 7
7 Aug 22	12	12	1	1	2 - 8
8 Aug 22	14	11	1	1	2 - 5
9 Aug 22	14	11	1	1 - 5	2 - 9
10 Aug 22	15	13	1	1 - 2	0 - 4
11 Aug 22	18	17	1	1	0 - 7
12 Aug 22	21	16	1	1	1 - 4
13 Aug 22	21	18	1	1	0 - 4
14 Aug 22	20	16	1	1 - 3	0 - 4
15 Aug 22	16	14	2	1 - 8	0 - 3
16 Aug 22	17	12	1	1 - 6	0 - 4
17 Aug 22	16	15	1	1	0 - 6
18 Aug 22	19	14	2	1 - 5	1 - 7
19 Aug 22	19	14	2	1 - 6	1 - 5
20 Aug 22	22	18	2	1 - 2	1 - 7
21 Aug 22	23	21	2	1 - 2	1 - 6
22 Aug 22	17	13	2	1 - 2	1 - 5
23 Aug 22	59	19	2	1 - 2	2 - 6
24 Aug 22	70	18	2	1 - 2	1 - 4
25 Aug 22	23	19	2	1 - 2	2 - 5
26 Aug 22	17	14	2	1 - 2	1 - 6
27 Aug 22	16	14	2	1 - 2	1 - 7
28 Aug 22	15	10	2	1 - 2	0 - 8
29 Aug 22	23	16	2	1 - 2	2 - 8
30 Aug 22	28	22	2	1 - 3	2 - 11
31 Aug 22	25	20	2	1 - 2	1 - 13
Range	12 - 70	10 - 22	1 - 2	1 - 8	0 - 13
Number of times exceeded standard	0	0	0	0	0
Total Day	31	31	31	31	31
Monitoring Hour	741	742	711	711	710
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) SO<sub>2</sub> = Sulfur Dioxide  
5) NO<sub>2</sub> = 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.  
MONITORING STATION : Ban Chao Nua  
Month : August  
YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Aug 22	24.5	28.9	26.5	89	99	98	1,001	1,005	1,003	42.8
2 Aug 22	24.4	31.7	27.0	72	99	94	1,002	1,005	1,004	7.8
3 Aug 22	25.5	33.4	28.1	58	99	87	1,003	1,008	1,005	0.2
4 Aug 22	25.5	34.2	28.8	51	99	77	1,003	1,007	1,006	0.8
5 Aug 22	24.5	32.4	27.0	58	99	87	1,003	1,007	1,005	7.0
6 Aug 22	25.2	33.6	29.1	55	99	78	1,000	1,005	1,003	0.2
7 Aug 22	25.2	32.4	28.5	57	99	78	1,001	1,005	1,003	0.4
8 Aug 22	24.2	30.1	26.5	74	99	94	1,002	1,007	1,005	10.0
9 Aug 22	24.0	33.8	27.9	55	99	81	1,001	1,006	1,004	5.6
10 Aug 22	26.0	32.9	29.0	58	96	75	1,001	1,005	1,003	0.0
11 Aug 22	25.8	33.1	29.0	56	91	73	1,001	1,006	1,003	0.0
12 Aug 22	25.1	32.9	27.8	58	99	85	1,003	1,007	1,005	0.0
13 Aug 22	25.0	34.7	28.8	50	99	81	1,004	1,007	1,006	0.2
14 Aug 22	24.5	34.2	28.4	53	99	84	1,004	1,008	1,006	18.8
15 Aug 22	24.1	35.3	28.5	51	99	82	1,002	1,007	1,005	21.2
16 Aug 22	25.3	33.6	28.3	54	99	83	1,001	1,006	1,004	1.4
17 Aug 22	24.7	33.3	28.6	52	99	77	1,002	1,006	1,004	0.2
18 Aug 22	24.9	34.1	28.4	53	99	84	1,003	1,006	1,005	0.2
19 Aug 22	25.6	34.3	29.1	53	99	78	1,002	1,006	1,005	0.0
20 Aug 22	25.9	34.2	28.5	54	98	82	1,001	1,005	1,004	0.0
21 Aug 22	25.6	34.6	27.9	49	99	87	1,001	1,004	1,002	2.8
22 Aug 22	24.8	34.3	29.1	48	99	73	1,002	1,007	1,004	0.0
23 Aug 22	23.8	35.7	29.3	47	99	76	1,002	1,007	1,005	0.0
24 Aug 22	26.4	36.2	30.3	43	98	73	999	1,006	1,003	0.0
25 Aug 22	24.6	33.2	28.0	58	99	84	1,000	1,004	1,003	14.2
26 Aug 22	24.4	33.8	26.5	55	99	92	1,001	1,007	1,004	26.6
27 Aug 22	24.5	33.5	28.3	60	99	86	1,003	1,007	1,005	3.8
28 Aug 22	23.9	33.3	28.3	59	99	86	1,002	1,007	1,005	16.0
29 Aug 22	24.0	29.5	26.3	79	99	97	1,004	1,009	1,006	13.0
30 Aug 22	24.4	33.3	28.3	56	99	84	1,004	1,009	1,006	0.2
31 Aug 22	23.1	34.4	28.1	51	99	87	1,005	1,008	1,006	0.0
Total	23.8	36.2	28.2	43	99	83	999	1,009	1,004	193.4
Day	31			31			31			31
Hours	730			730			730			730

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







Project : Ratchaburi Power Co.,Ltd.  
Site No.: 5

Page 1 of 1

[illegible]

Engineer: Mr. Pongviriya Chaowalit

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

Remark :

Weekly report

[illegible][illegible]



No	Description	S/N	Unit	Max Stock	Min Stock	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	NO2000 Consumable Pkg	28-10995	pkg	0	2	0	2	0	2	0	2	0	2	0	2	0	2	2
2	Power Rebuild kit	794-022-1204	kit	0	2	0	2	0	2	0	2	0	2	0	2	0	2	2
3	Filter for oil of 1000 T204	794-022-1204	kit	0	2	0	2	0	2	0	2	0	2	0	2	0	2	2
4	Filter for oil of 1000 T204	794-022-1204	kit	0	2	0	2	0	2	0	2	0	2	0	2	0	2	2
5	Filter for oil of 1000 T204	794-022-1204	kit	0	2	0	2	0	2	0	2	0	2	0	2	0	2	2
6	Filter for oil of 1000 T204	794-022-1204	kit	0	2	0	2	0	2	0	2	0	2	0	2	0	2	2
7	Filter for oil of 1000 T204	794-022-1204	kit	0	2	0	2	0	2	0	2	0	2	0	2	0	2	2
8	Filter for oil of 1000 T204	794-022-1204	kit	0	2	0	2	0	2	0	2	0	2	0	2	0	2	2
9	Filter for oil of 1000 T204	794-022-1204	kit	0	2	0	2	0	2	0	2	0	2	0	2	0	2	2
10	Filter for oil of 1000 T204	794-022-1204	kit	0	2	0	2	0	2	0	2	0	2	0	2	0	2	2

## Calibration result

### Calibration Sheet

Project : Ratchaburi Power Plant  
Site No. : 5 Station : DONSAI Date : 10 Aug 22 Start Time : 13.00

Analyzer	SO <sub>2</sub>	NO <sub>x</sub>	O <sub>3</sub>	Standard Gas	SO <sub>2</sub>	NO <sub>x</sub>	Remark
Manufacturer	ECOTECH	Thermo	ECOTECH	Cylinder No.	D 636099		Calibration โดยเครื่อง
Model	EC 98508	42IQ	EC 9810 B	Concentration	50.10	51.90	ค่าจริงจาก ค่าที่ ต้องการ
Serial No.	05-1274	-	06-0001	Multi Gas Calibrator			Calibrator ของสถานี
Range	0 - 500 ppb	0 - 500 ppb	0 - 500 ppb	Model : Sabco(4010)	Serial No. : -		สถานี

Phase	Set Point	Desire Value	Monitor Value	Drift	% Drift	Factor
SO <sub>2</sub> Before Calibrate	Zero	0	3	-3	-0.6	Gain : 23.51
	Span(Lo.)	80	-	-	-	
	Span(Mid.)	150	-	-	-	
	Span(Hi.)	400	377	23	5.8	
SO <sub>2</sub> After Calibrate	Zero	0	1	-1	-0.2	Gain : 23.71
	Span(Lo.)	80	-	-	-	
	Span(Mid.)	150	-	-	-	
	Span(Hi.)	400	401	-1	-0.3	
NO <sub>x</sub> Before Calibrate	Zero	0	0	0	0	NO COEF : - NO2 COEF : - NOX COEF : -
	Span(Lo.)	80	0	80	-	
	Span(Mid.)	150	0	150	-	
	Span(Hi.)	450	0	450	-	
NO <sub>x</sub> After Calibrate	Zero	0	0	0	0	NO COEF : - NO2 COEF : - NOX COEF : -
	Span(Lo.)	80	0	80	-	
	Span(Mid.)	150	0	150	-	
	Span(Hi.)	450	0	450	-	
O <sub>3</sub> Before Calibrate	Zero	0	1	-1	-0.2	Gain : 1.087
	Span(Lo.)	80	-	-	-	
	Span(Mid.)	150	-	-	-	
	Span(Hi.)	400	416	-16	-4.0	
O <sub>3</sub> After Calibrate	Zero	0	1	-1	-0.2	Gain : 0.976
	Span(Lo.)	80	-	-	-	
	Span(Mid.)	150	-	-	-	
	Span(Hi.)	400	400	0	0.0	

Calibrate by : Pongyiva  
Air Quality & Noise Section, Environmental Quality Monitoring Department, Project Environment Division, EGAT  
Comment :  
Finish Time : 14.00

### Calibration Sheet

Project : Ratchaburi Power Plant  
Site No. : 5 Station : DONSAI Date : 25 Aug 22 Start Time : 10.00

Analyzer	SO <sub>2</sub>	NO <sub>x</sub>	O <sub>3</sub>	Standard Gas	SO <sub>2</sub>	NO <sub>x</sub>	Remark
Manufacturer	ECOTECH	Ecotech	ECOTECH	Cylinder No.	D 636099		Calibration โดยเครื่อง
Model	EC 98508	serinus40	EC 9810 B	Concentration	50.10	51.90	ค่าจริงจาก ค่าที่ ต้องการ
Serial No.	05-1274	14-1908	06-0001	Multi Gas Calibrator			Calibrator ของสถานี
Range	0 - 500 ppb	0 - 500 ppb	0 - 500 ppb	Model : Sabco(4010)	Serial No. : -		สถานี

Phase	Set Point	Desire Value	Monitor Value	Drift	% Drift	Factor
SO <sub>2</sub> Before Calibrate	Zero	0	2	-2	-0.4	Gain : 23.71
	Span(Lo.)	80	-	-	-	
	Span(Mid.)	150	-	-	-	
	Span(Hi.)	450	426	24	5.3	
SO <sub>2</sub> After Calibrate	Zero	0	2	-2	-0.4	Gain : 22.25
	Span(Lo.)	80	-	-	-	
	Span(Mid.)	150	-	-	-	
	Span(Hi.)	450	400	50	11.1	
NO <sub>x</sub> Before Calibrate	Zero	0	0	0	0	Gain : 4.83
	Span(Lo.)	80	0	80	-	
	Span(Mid.)	150	0	151	-	
	Span(Hi.)	400	0	400	-2.0	
NO <sub>x</sub> After Calibrate	Zero	0	0	0	0	Gain : 4.83
	Span(Lo.)	80	1	81	-	
	Span(Mid.)	150	1	151	-	
	Span(Hi.)	400	0	400	-	
O <sub>3</sub> Before Calibrate	Zero	0	2	-2	-0.4	Gain : 0.976
	Span(Lo.)	80	-	-	-	
	Span(Mid.)	150	-	-	-	
	Span(Hi.)	400	401	-1	-0.3	
O <sub>3</sub> After Calibrate	Zero	0	-	-	-	Gain : -
	Span(Lo.)	80	-	-	-	
	Span(Mid.)	150	-	-	-	
	Span(Hi.)	400	-	-	-	

Calibrate by : Kamolpat  
Air Quality & Noise Section, Environmental Quality Monitoring Department, Project Environment Division, EGAT  
Comment :  
Finish Time : 11.00



# Calibration Sheet

Project : Ratchaburi Power Plant

Site No. : 5 Station : DOKSAI

Date : 31 Aug 22

Page 03

Start Time : 08.30

Analyzer	SO <sub>2</sub>	NO <sub>x</sub>	O <sub>3</sub>	Standard Gas	SO <sub>2</sub>	NO <sub>x</sub>	Remark
Manufacturer	ECOTECH	ECOTECH	ECOTECH	Cylinder No.	D 636099		
Model	EC 9850B	Serinus-40	EC 9810 B	Concentration	50.10	51.90	NO <sub>2</sub> Analyzer สำรองจากเดิม
Serial No.	05-1274		06-0001	Multi Gas Calibrator			
Range	0 - 500 ppb	0 - 500 ppb	0 - 500 ppb	Model : Sable(4010)	Serial No. : 10260306		

Phase	Set Point	Desire Value	Monitor Value	Diff	% Diff	Factor
SO <sub>2</sub> Before Calibrate	Zero	0	2	-2	-0.4	
	Span(Lo.)	80	-	-	-	
	Span(Mid.)	150	-	-	-	
	Span(Hi.)	450	445	5	1.1	Gain : 22.25
SO <sub>2</sub> After Calibrate	Zero	0	3	-3	-0.6	
	Span(Lo.)	80	-	-	-	
	Span(Mid.)	150	-	-	-	
	Span(Hi.)	450	450	0	0.0	Gain : 22.49
NO <sub>x</sub> Before Calibrate	Zero	0	1.3	0.0	1.3	-1.3
	Span(Lo.)	80	1	81	-	-
	Span(Mid.)	150	1	151	-	-
	Span(Hi.)	450	2	452	461.0	-1.0
NO <sub>x</sub> After Calibrate	Zero	0	0	1.3	0.0	1.3
	Span(Lo.)	80	1	81	-	-
	Span(Mid.)	150	1	151	-	-
	Span(Hi.)	450	2	452	451.0	-1.0
O <sub>3</sub> Before Calibrate	Zero	0	-3	3	0.6	
	Span(Lo.)	80	-	-	-	
	Span(Mid.)	150	-	-	-	
	Span(Hi.)	450	421	29	6.4	Gain : 0.976
O <sub>3</sub> After Calibrate	Zero	0	1	-1	-0.2	
	Span(Lo.)	80	-	-	-	
	Span(Mid.)	150	-	-	-	
	Span(Hi.)	450	449	1	0.2	Gain : 1.450
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 : Pongviya

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

Finish Time : 10.00

Comment :



บริษัท ราชบุรีเพาเวอร์ จำกัด  
Ratchaburi Power Co., Ltd.

รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง  
บริษัท ราชบุรีเพาเวอร์ จำกัด

ประจำเดือนกันยายน 2565

เสนอต่อ

บริษัท ราชบุรีเพาเวอร์ จำกัด

โดย

ฝ่ายสิ่งแวดล้อมโครงการ

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง  
บริษัท ราชบุรีเพาเวอร์ จำกัด  
ประจำเดือนกันยายน 2565

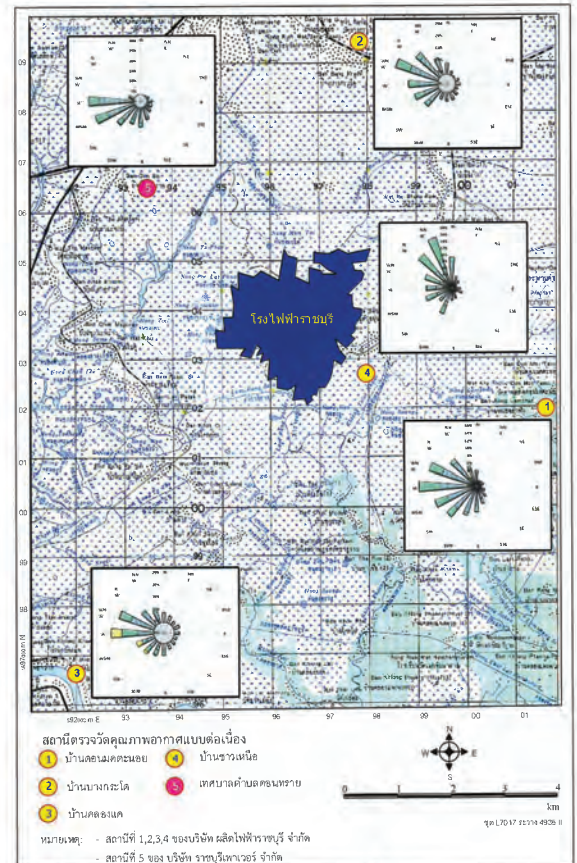
## รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง บริษัท ราชบุรีเพาเวอร์ จำกัด เดือนกันยายน 2565

ผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง บริษัท ราชบุรีเพาเวอร์ จำกัด ประจำเดือนกันยายน 2565 จากสถานีตรวจวัดคุณภาพอากาศเทศบาลตำบลนครทราย ผลการตรวจวัดดัชนีคุณภาพอากาศ พบว่า ผู้ละอองรวม ผู้ละอองขนาดเล็กไม่เกิน 10 ไมครอน ผู้ละอองขนาดเล็กไม่เกิน 2.5 ไมครอน ก๊าซซัลเฟอร์ไดออกไซด์ ก๊าซไนโตรเจนไดออกไซด์ และก๊าซโอโซน มีค่าอยู่ในเกณฑ์มาตรฐานคุณภาพอากาศในบรรยากาศโดยทั่วไป ตามประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ โดยมีรายละเอียดดังนี้

### สรุปผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง (กันยายน 2565)

สถานีตรวจวัด	ค่าเฉลี่ยในเวลา 24 ชั่วโมง			ค่าเฉลี่ยในเวลา 1 ชั่วโมง		
	(µg/m <sup>3</sup> )			(ppb)		
	TSP	PM-10	PM-2.5	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>
เทศบาลตำบลนครทราย	19-37	14-30	6-18	0-3	0-12	2-46
มาตรฐาน	330	120	50	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) ฉบับที่ 36 (พ.ศ. 2553)

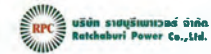


สถานีตรวจวัดคุณภาพอากาศแบบต่อเนื่อง  
1 บ้านสามัคคีน้อย 4 บ้านราชมณี  
2 บ้านบางกะเฒ่า 5 เทศบาลตำบลนครทราย  
3 บ้านคลองแค

หมายเหตุ : สถานีที่ 1,2,3,4 ของบริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
สถานีที่ 5 ของ บริษัท ราชบุรีเพาเวอร์ จำกัด

แผนที่แสดงตำแหน่งที่ตั้งสถานีตรวจวัดคุณภาพอากาศแบบต่อเนื่อง ของ บริษัท ผลิตไฟฟ้าราชบุรี จำกัด และ บริษัท ราชบุรีเพาเวอร์ จำกัด

## สถานีเทศบาลตำบลคอนทราย



### MONTHLY REPORT

#### AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

Month : September

MONITORING STATION : Donsai Sub-district

YEAR : 2022

Date	SO <sub>2</sub> (ppb)		NO <sub>2</sub> (ppb)		O <sub>3</sub> (ppb)	O <sub>3</sub> (%)
	24-Hr. Avg.	1-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Sep 22	2	1 - 3	15	5 - 46	5 - 54	N/A
2 Sep 22	1	1 - 2	8	4 - 14	5 - 59	N/A
3 Sep 22	3	2 - 3	8	3 - 18	6 - 57	N/A
4 Sep 22	2	1 - 2	6	3 - 13	6 - 50	N/A
5 Sep 22	1	1	6	2 - 13	8 - 36	N/A
6 Sep 22	1	0 - 1	8	2 - 16	6 - 39	N/A
7 Sep 22	1	1 - 2	6	3 - 11	6 - 36	N/A
8 Sep 22	2	1 - 2	10	3 - 27	3 - 19	N/A
9 Sep 22	1	1 - 2	9	3 - 23	2 - 25	N/A
10 Sep 22	1	1 - 2	7	4 - 15	2 - 28	N/A
11 Sep 22	2	1 - 2	6	3 - 13	2 - 21	N/A
12 Sep 22	2	1 - 2	7	3 - 17	3 - 32	N/A
13 Sep 22	2	1 - 4	8	3 - 28	2 - 37	N/A
14 Sep 22	2	1 - 2	7	3 - 16	2 - 23	N/A
15 Sep 22	2	2	5	2 - 12	2 - 19	N/A
16 Sep 22	1	1 - 2	8	2 - 18	2 - 16	N/A
17 Sep 22	1	1 - 2	7	3 - 13	2 - 25	N/A
18 Sep 22	2	2	5	3 - 9	2 - 21	N/A
19 Sep 22	1	1	9	3 - 20	2 - 11	N/A
20 Sep 22	3	1 - 12	21	6 - 44	2 - 56	N/A
21 Sep 22	1	0 - 2	21	6 - 45	2 - 28	N/A
22 Sep 22	1	0 - 1	9	4 - 14	2 - 21	N/A
23 Sep 22	0	0 - 1	9	5 - 17	2 - 24	N/A
24 Sep 22	0	0	9	5 - 15	3 - 38	N/A
25 Sep 22	0	0 - 1	9	6 - 14	3 - 36	N/A
26 Sep 22	2	1 - 2	11	6 - 26	2 - 10	N/A
27 Sep 22	1	0 - 2	21	9 - 45	2 - 9	N/A
28 Sep 22	1	0 - 1	14	9 - 25	2 - 8	N/A
29 Sep 22	1	1 - 2	15	9 - 23	2 - 11	N/A
30 Sep 22	1	1 - 2	12	7 - 19	2 - 16	N/A
Range	0 - 3	0 - 12	5 - 21	2 - 66	2 - 59	-
Number of times exceeded standard	0	0	0	0	0	-
Total Day	30	30	30	30	30	-
Monitoring Hour	717	717	719	719	718	-
Ambient Air Quality Standard	120	300	-	170	100	-

Remark :- 1) Standards = Ambient Air Quality Standards of the National Environment Board  
 2) SO<sub>2</sub> = Sulfur Dioxide 3) NO<sub>2</sub> = Nitrogen Dioxide 4) O<sub>3</sub> = 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 : September

MONITORING STATION : Donsai Sub-district

YEAR : 2022

Date	Concentration (24-Hr Avg)			
	TSP (µg/m <sup>3</sup> )	PM-10 (µg/m <sup>3</sup> )	PM-2.5 (µg/m <sup>3</sup> )	PM-10 (µg/m <sup>3</sup> )
1 Sep 22	N/A	30	18	18
2 Sep 22	N/A	26	16	16
3 Sep 22	N/A	25	16	16
4 Sep 22	N/A	24	15	15
5 Sep 22	N/A	19	11	11
6 Sep 22	N/A	25	N/A	20
7 Sep 22	N/A	16	9	9
8 Sep 22	N/A	16	9	9
9 Sep 22	N/A	23	18	18
10 Sep 22	N/A	26	11	11
11 Sep 22	N/A	18	11	11
12 Sep 22	N/A	25	N/A	16
13 Sep 22	N/A	21	14	14
14 Sep 22	N/A	21	13	13
15 Sep 22	N/A	16	9	9
16 Sep 22	N/A	22	15	15
17 Sep 22	N/A	24	16	16
18 Sep 22	N/A	28	N/A	14
19 Sep 22	N/A	26	17	17
20 Sep 22	N/A	N/A	N/A	N/A
21 Sep 22	N/A	N/A	N/A	N/A
22 Sep 22	N/A	15	9	9
23 Sep 22	N/A	14	8	8
24 Sep 22	N/A	19	N/A	9
25 Sep 22	N/A	17	30	30
26 Sep 22	N/A	16	30	30
27 Sep 22	N/A	20	11	11
28 Sep 22	N/A	14	6	6
29 Sep 22	N/A	14	6	6
30 Sep 22	N/A	19	N/A	30
Range	19 - 37	14 - 30	6 - 18	6 - 18
Number of times exceeded standard	0	0	0	0
Total Day	5	28	28	28
Monitoring Hour	120	668	668	668
Ambient Air Quality Standard	330	120	-	50

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



### MONTHLY REPORT

#### METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

Month : September

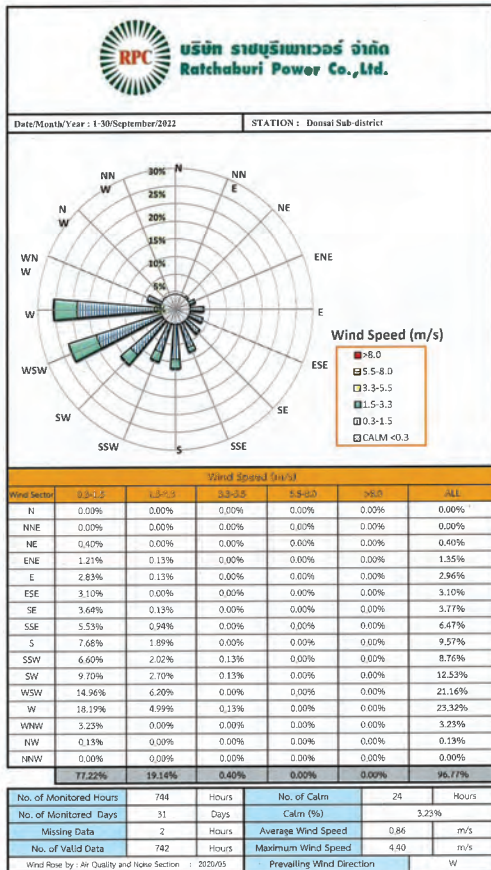
MONITORING STATION : Donsai Sub-district

YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)		Rain Gauge
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg. Sum. (mm)
1 Sep 22	26.2	39.2	30.2	50	100	85	1,002	1,009	1,006 12.4
2 Sep 22	26.1	39.1	31.2	51	100	80	1,001	1,008	1,005 0.4
3 Sep 22	27.7	37.5	30.6	58	97	83	1,001	1,007	1,004 0.0
4 Sep 22	24.5	38.6	29.6	56	100	86	1,000	1,009	1,005 12.2
5 Sep 22	25.0	33.2	28.6	74	100	89	1,002	1,009	1,006 8.4
6 Sep 22	25.7	35.9	29.2	59	100	86	1,002	1,008	1,005 2.0
7 Sep 22	25.4	32.5	28.0	74	100	90	1,003	1,009	1,007 7.6
8 Sep 22	25.3	32.5	27.1	72	100	93	1,004	1,010	1,007 6.8
9 Sep 22	25.4	34.4	29.2	62	99	83	1,004	1,012	1,008 0.6
10 Sep 22	26.0	35.4	28.7	61	100	87	1,005	1,012	1,008 2.4
11 Sep 22	26.0	34.9	29.6	61	100	81	1,003	1,011	1,007 0.0
12 Sep 22	25.5	35.0	29.6	56	99	79	1,002	1,009	1,007 3.4
13 Sep 22	25.4	36.7	29.6	55	100	83	1,004	1,010	1,007 0.4
14 Sep 22	25.6	35.8	29.1	59	100	87	1,005	1,011	1,008 1.2
15 Sep 22	25.7	35.9	30.6	58	97	76	1,003	1,010	1,007 0.0
16 Sep 22	26.7	36.1	30.7	56	92	75	1,000	1,007	1,004 0.0
17 Sep 22	26.8	35.8	29.6	61	96	83	1,001	1,007	1,004 2.2
18 Sep 22	24.6	33.9	28.4	66	100	88	1,003	1,009	1,006 12.6
19 Sep 22	25.3	32.8	28.6	69	100	84	1,004	1,011	1,007 0.0
20 Sep 22	26.0	34.5	29.2	59	91	78	1,002	1,009	1,006 0.0
21 Sep 22	26.1	36.3	30.1	55	99	75	1,000	1,008	1,004 9.4
22 Sep 22	24.9	35.4	28.8	63	100	87	1,001	1,007	1,004 28.4
23 Sep 22	25.4	35.4	28.4	62	100	90	1,001	1,008	1,005 5.8
24 Sep 22	24.9	33.9	28.7	69	100	89	1,000	1,007	1,004 6.0
25 Sep 22	25.0	33.4	28.3	71	100	91	1,001	1,008	1,005 4.8
26 Sep 22	25.4	29.7	27.2	88	100	96	1,003	1,010	1,006 5.8
27 Sep 22	25.6	32.1	27.4	75	100	94	1,001	1,008	1,004 4.4
28 Sep 22	24.9	34.0	28.8	64	100	84	998	1,003	1,000 0.8
29 Sep 22	25.0	31.8	27.3	72	100	93	998	1,001	999 7.2
30 Sep 22	25.6	34.4	29.1	62	100	85	999	1,005	1,001 0.0
Total	24.5	39.2	29.1	50	100	85	998	1,012	1,005 163.2
Day	30	30	30	30	30	30	30	30	30
Hours	720	720	720	720	720	720	709	716	716

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





ภาคผนวก

Equipment Status of Donsai Sub-district Monitoring Station "September 2022"						
No.	Site	Analyzer	Brand	Model	S/N	Status
5	Donsai (DS)	SO <sub>2</sub>	Ecotech	EC98308	05-12714	Normal
		O <sub>3</sub>	Ecotech	EC98108	06-0001	Normal
		NO <sub>2</sub>	Thermo	424Q	1181510016	Normal
		DUST (PM - 10/2.5)	Thermo	1405DF		Normal
		DUST (TSP)	Thermo	1400ab	1604825973601	Fail
		O <sub>2</sub>	Riken Keiki	OX-600		Fail
		Humidure air sampler(PM-10)	Ecotech	HMS3000	05-1104	Fail
		Humidure air sampler(TSP)	Ecotech	HMS3000	05-1103	Normal
		WIND SPEED	Met One	010C	E7612	Normal
		WIND DIRECTION	Met One	020C	F1128	Normal
		ATPSH	Met One	083D-1-35	F1320	Normal
		BAROMETRIC PRESSURE	Met One	090D	F1231	Normal
		Rain gauge	Met One			Normal
		Wt.Wt Transfator	Met One	2270	F1284	Normal
		Data Logger	ADVANTECH	IPC-510		Normal
		Multi Gas Calibration	SABO	4010	10260306	Normal
		Zero Air Generator	SABO	1001	086614168	Normal
		Modem	Tornado	FM556 OE	4088712	Normal
		Air Condition 1	Dakin	AP18DV25	E003657	Normal
		Air Condition 2	Dakin	AP18DV25	E003651	Normal

- Replace Filter Loading ทำไม่ได้เนื่องจากเครื่องดับ  
วันที่ 20-21 Sep 2022  
 - Main Board Fail ไม่สามารถซ่อมได้ เนื่องจากบอร์ด out of service อยู่ระหว่างสั่งซื้อบอร์ดใหม่ทดแทน  
 - Board Fail ไม่สามารถซ่อมได้ อยู่ระหว่างสั่งซื้อบอร์ดใหม่ทดแทน  
 - Filter block Alarm อยู่ระหว่างรอเปลี่ยน Main board ทำไม่ได้เนื่องจากบอร์ดติดอยู่ที่เครื่องดับ

สถานีบ้านดอนมดตะนอย  
(สถานที่ตรวจวัด : วัดนันทบุณยอินโดนีโอ)



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 : Ban Don Mod Tanol

YEAR : 2022

Date	Concentration				
	TSP (µg/m <sup>3</sup> )	PM-10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (ppb)	NO <sub>2</sub> (ppb)	O <sub>3</sub> (ppb)
	24-Hr. Avg.	24-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Sep 22	36	26	3	2 - 3	2 - 21
2 Sep 22	32	23	3	2 - 3	2 - 7
3 Sep 22	28	18	3	2 - 3	2 - 10
4 Sep 22	29	20	3	2 - 3	2 - 10
5 Sep 22	21	14	3	2 - 3	2 - 8
6 Sep 22	22	12	3	2 - 3	3 - 11
7 Sep 22	17	11	3	2 - 4	2 - 7
8 Sep 22	21	11	2	2 - 3	2 - 9
9 Sep 22	25	15	2	2 - 2	2 - 14
10 Sep 22	21	14	2	2 - 2	2 - 5
11 Sep 22	20	13	2	2 - 2	2 - 8
12 Sep 22	25	16	2	2 - 3	2 - 11
13 Sep 22	25	17	2	2 - 2	2 - 12
14 Sep 22	23	15	2	2 - 2	1 - 9
15 Sep 22	21	13	2	2 - 2	2 - 7
16 Sep 22	18	13	2	2 - 3	1 - 7
17 Sep 22	22	16	2	2 - 3	1 - 5
18 Sep 22	25	14	2	2 - 4	1 - 6
19 Sep 22	20	12	2	2 - 5	2 - 6
20 Sep 22	29	19	2	2 - 4	2 - 7
21 Sep 22	27	15	2	2 - 2	2 - 8
22 Sep 22	20	14	2	2 - 3	1 - 8
23 Sep 22	23	14	2	2 - 3	1 - 13
24 Sep 22	18	13	2	2 - 2	2 - 8
25 Sep 22	25	17	2	2 - 5	2 - 7
26 Sep 22	24	17	2	2 - 3	2 - 24
27 Sep 22	29	19	2	2 - 7	2 - 23
28 Sep 22	23	15	3	2 - 5	1 - 5
29 Sep 22	22	13	2	2 - 3	1 - 10
30 Sep 22	26	18	2	2 - 2	1 - 11
Range	17 - 36	11 - 26	2 - 3	2 - 7	1 - 24
Number of times exceeded standard	0	0	0	0	0
Total Day	30	30	30	30	30
Monitoring Hour	718	717	716	716	716
Ambient Air Quality Standard	350	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) SO<sub>2</sub> = Sulfur Dioxide  
5) NO<sub>2</sub> = Nitrogen Dioxide  
6) N/A = Data not Available  
7) \* = Exceeding an 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 : September

MONITORING STATION : Ban Don Mod Tanol

YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Sep 22	26.0	37.4	29.8	40	99	78	1,005	1,011	1,008	0.0
2 Sep 22	25.3	36.9	30.3	42	99	76	1,005	1,010	1,008	0.0
3 Sep 22	26.6	35.6	29.5	50	99	82	1,005	1,009	1,007	0.0
4 Sep 22	23.7	36.0	28.3	47	99	85	1,005	1,011	1,008	17.2
5 Sep 22	23.6	31.1	27.1	65	99	90	1,005	1,011	1,008	4.2
6 Sep 22	24.6	34.8	27.5	49	99	88	1,006	1,010	1,008	26.6
7 Sep 22	23.8	32.0	26.7	65	99	90	1,006	1,011	1,009	7.4
8 Sep 22	23.7	30.5	25.9	66	99	94	1,007	1,012	1,010	4.4
9 Sep 22	24.3	33.3	28.3	49	99	81	1,007	1,013	1,010	0.0
10 Sep 22	24.3	33.6	27.6	53	99	87	1,007	1,012	1,010	4.4
11 Sep 22	24.4	33.5	28.3	51	99	80	1,006	1,012	1,010	0.0
12 Sep 22	25.3	34.2	28.7	46	99	78	1,006	1,011	1,009	0.0
13 Sep 22	24.1	35.8	28.5	45	99	81	1,007	1,011	1,009	1.0
14 Sep 22	24.3	33.4	27.2	54	99	89	1,008	1,012	1,010	15.2
15 Sep 22	23.9	34.7	28.9	49	99	74	1,006	1,011	1,009	0.2
16 Sep 22	25.1	34.1	29.3	48	99	74	1,004	1,009	1,007	0.0
17 Sep 22	25.0	33.7	28.0	54	99	85	1,005	1,009	1,007	14.6
18 Sep 22	24.3	32.1	27.5	57	99	85	1,006	1,011	1,009	12.4
19 Sep 22	24.3	31.6	27.4	57	99	81	1,007	1,012	1,010	0.2
20 Sep 22	24.1	32.6	27.9	52	99	77	1,006	1,010	1,008	0.2
21 Sep 22	24.6	35.6	28.6	42	99	77	1,004	1,010	1,007	14.4
22 Sep 22	23.7	33.7	27.2	53	99	88	1,005	1,009	1,008	15.0
23 Sep 22	24.6	33.2	27.2	56	99	89	1,005	1,010	1,008	19.4
24 Sep 22	24.1	32.5	27.4	62	99	88	1,004	1,009	1,007	22.2
25 Sep 22	24.0	31.6	27.1	66	99	91	1,005	1,010	1,008	1.4
26 Sep 22	24.1	28.3	25.9	98	99	99	1,006	1,011	1,009	5.8
27 Sep 22	23.8	30.3	26.1	69	99	94	1,005	1,010	1,008	6.0
28 Sep 22	23.8	32.3	27.6	56	99	81	1,002	1,007	1,004	0.8
29 Sep 22	23.9	30.0	26.1	68	99	94	1,002	1,006	1,004	4.2
30 Sep 22	24.3	32.6	27.7	56	99	84	1,003	1,007	1,005	0.2
Total	23.6	37.4	27.8	40	99	85	1,002	1,013	1,008	197.4
Day	30			30			30			30
Hours	720			720			720			720

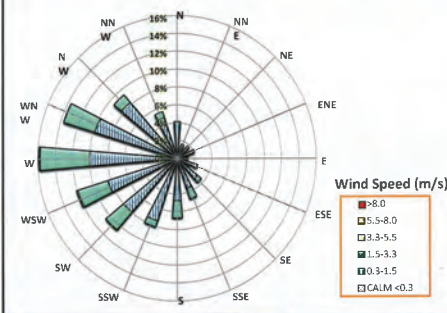
Remarks > P = Power Fail, F = Equipment Fail, N/A = Data not Available



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co., Ltd.

Date/Month/Year : 1-30/September/2022

STATION : Ban Don Mod Tanol



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	3.89%	0.00%	0.00%	0.00%	0.00%
NNE	1.39%	0.00%	0.00%	0.00%	0.00%
NE	1.25%	0.28%	0.00%	0.00%	0.00%
ENE	1.61%	0.14%	0.00%	0.00%	0.00%
E	0.83%	0.14%	0.00%	0.00%	0.00%
ESE	1.53%	0.69%	0.00%	0.00%	0.00%
SE	2.78%	0.56%	0.00%	0.00%	0.00%
SSE	3.33%	1.25%	0.00%	0.00%	0.00%
S	4.58%	1.94%	0.00%	0.00%	0.00%
SSW	7.22%	0.69%	0.00%	0.00%	0.00%
SW	7.78%	2.64%	0.00%	0.00%	0.00%
WSW	8.06%	3.61%	0.14%	0.00%	0.00%
W	9.72%	5.69%	0.14%	0.00%	0.00%
WNW	9.58%	3.73%	0.00%	0.00%	0.00%
NW	8.06%	1.11%	0.00%	0.00%	0.00%
NNW	4.58%	0.69%	0.00%	0.00%	0.00%
Total	76.25%	23.19%	0.28%	0.00%	99.72%

No. of Monitored Hours	720	Hours	No. of Calm	2	Hours
No. of Monitored Days	30	Days	Calm (%)	0.28%	
Missing Data	0	Hours	Average Wind Speed	1.11	m/s
No. of Valid Data	720	Hours	Maximum Wind Speed	3.50	m/s
Wind Rose by Air Quality and Noise Section : 2020/05					
Prevailing Wind Direction					

Equipment Status of Ban Don Mod Tanol Monitoring Station "September 2022"									
No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No.	Description	
1	Ban Don Mod Tanol	SO <sub>2</sub>	Thermo Scientific	43425CA	1162850018	Normal	20511164		
		NO <sub>2</sub>	Thermo Scientific	420-BZMDOCA	1162850016	Normal	20511166		
		O <sub>3</sub>	Thermo Scientific	49-42NCA	1162850020	Normal	20511168		
		DUST (TSP)	Thermo Scientific	5014/5530i	CM16461002	Normal	20511172		
		DUST (PM - 10)	Thermo Scientific	5014/5030i	CM16471015	Normal	20511170		
		ZERO AIR	Thermo Scientific	1160-BHPN	1162850022	Normal	20511174		
		CALIBRATOR	Thermo Scientific	168-BB6ECCA	1162850024	Normal	20511176		
		DATA LOGGER	ADVANTECH	IPC-50	1MA1478934	Normal	601102813.4		
		Switch Hub 16 port	TPLINK	TL-SF1016	1288670507	Normal	-		
		UPS	Power Mate	TP-3000	13E000080	Normal	-		
		Display LCD 20"	Hp	P201	6CM3151950	Normal	60110283.2		
		Keyboard	Logitech	K220	13145C105528	Normal	-		
		Mouse	Logitech	M150	-	Normal	-		
		Standard Gas	Argas	-	-	Normal	-		
		WIND SPEED	LASTEM	DNA 507/DNA 007	-	Normal	-		
		WIND DIRECTION	LASTEM	DNA 516/DNA 017	-	Normal	-		
		AIR TEMPERATURE	LASTEM	DMA 875	-	Normal	-		
		RELATIVE HUMIDITY	LASTEM	DMA 875	-	Normal	-		
		BAROMETRIC PRESSURE	LASTEM	DQA 208	-	Normal	-		
		RAIN GAUGE	LASTEM	DQA 050	-	Normal	-		



สถานีบ้านบางกะโด  
(สถานที่ตรวจวัด : วัดบางกะโด)

MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co., Ltd.

MONTH : September

MONITORING STATION : Wat Bang Gado

YEAR : 2022

Date	Concentration					
	TSP (µg/m³)	PM-10 (µg/m³)	SO <sub>2</sub> (ppb)	NO <sub>2</sub> (ppb)	O <sub>3</sub> (ppb)	
	24-Hr. Avg.	24-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Sep 22	46	29	2	2	1 - 21	0 - 49
2 Sep 22	41	24	2	2	1 - 8	1 - 52
3 Sep 22	32	17	2	2	1 - 7	6 - 48
4 Sep 22	38	15	2	2	1 - 6	2 - 36
5 Sep 22	31	16	2	2	1 - 5	8 - 33
6 Sep 22	28	13	2	2	0 - 7	5 - 32
7 Sep 22	31	14	2	2	1 - 8	6 - 32
8 Sep 22	29	11	2	2	2 - 7	6 - 22
9 Sep 22	31	13	2	2	1 - 10	5 - 28
10 Sep 22	34	16	2	2	2 - 6	5 - 30
11 Sep 22	29	15	2	2	1 - 7	4 - 21
12 Sep 22	34	16	2	2 - 3	2 - 13	6 - 33
13 Sep 22	32	14	2	2 - 3	1 - 6	5 - 44
14 Sep 22	31	19	2	2	1 - 8	4 - 23
15 Sep 22	27	11	2	2 - 3	0 - 7	6 - 22
16 Sep 22	30	15	3	2 - 4	0 - 8	7 - 23
17 Sep 22	36	17	2	2 - 3	2 - 7	7 - 36
18 Sep 22	36	20	2	2 - 3	2 - 7	6 - 35
19 Sep 22	36	17	2	2 - 3	2 - 7	5 - 23
20 Sep 22	34	18	2	2 - 3	0 - 7	6 - 21
21 Sep 22	30	14	2	2 - 3	0 - 8	12 - 47
22 Sep 22	31	14	2	2 - 3	2 - 9	9 - 40
23 Sep 22	32	17	2	2	1 - 8	8 - 41
24 Sep 22	31	16	2	2	2 - 7	12 - 57
25 Sep 22	35	16	2	2	2 - 6	11 - 47
26 Sep 22	30	12	2	2 - 3	3 - 18	5 - 28
27 Sep 22	37	22	2	2	3 - 19	5 - 25
28 Sep 22	33	18	2	2 - 3	2 - 7	6 - 22
29 Sep 22	32	14	2	2 - 3	2 - 8	6 - 23
30 Sep 22	42	22	2	2	2 - 8	6 - 26
Range	27 - 46	11 - 29	2 - 3	2 - 4	0 - 21	0 - 57
Number of times exceeded standard	0	0	0	0	0	0
Total Day	30	30	30	30	30	30
Monitoring Hour	720	720	684	684	685	686
Ambient Air Quality Standard	350	150	120	500	150	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<sub>2</sub> : Sulfur Dioxide  
5) NO<sub>2</sub> : 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

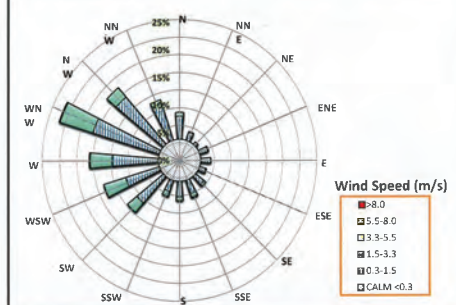
YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Sep 22	24.8	35.5	28.7	N/A	N/A	N/A	1,005	1,010	1,008	4.6
2 Sep 22	24.9	35.8	29.9	N/A	N/A	N/A	1,005	1,010	1,008	0.2
3 Sep 22	25.7	34.4	28.8	N/A	N/A	N/A	1,004	1,009	1,007	1.8
4 Sep 22	24.2	34.8	28.0	N/A	N/A	N/A	1,004	1,011	1,008	6.0
5 Sep 22	23.4	30.9	26.8	N/A	N/A	N/A	1,006	1,011	1,009	5.2
6 Sep 22	24.8	34.0	27.9	N/A	N/A	N/A	1,006	1,010	1,008	1.6
7 Sep 22	23.3	30.0	26.3	56	100	94	1,006	1,011	1,009	6.0
8 Sep 22	24.6	30.6	26.1	77	100	98	1,007	1,012	1,010	6.0
9 Sep 22	24.5	32.8	28.2	57	100	87	1,007	1,013	1,010	0.0
10 Sep 22	25.2	33.4	27.7	57	100	91	1,007	1,012	1,010	1.6
11 Sep 22	25.1	33.7	28.6	56	100	86	1,006	1,012	1,010	0.2
12 Sep 22	25.6	32.8	28.5	52	100	84	1,006	1,011	1,009	0.0
13 Sep 22	24.6	34.0	28.6	54	100	86	1,007	1,012	1,010	0.0
14 Sep 22	24.7	34.1	27.9	57	100	92	1,007	1,012	1,010	0.8
15 Sep 22	25.0	34.0	29.3	55	100	77	1,006	1,012	1,009	0.0
16 Sep 22	25.4	33.6	29.1	53	100	80	1,004	1,009	1,007	0.0
17 Sep 22	26.1	32.6	28.3	60	100	89	1,005	1,010	1,008	0.8
18 Sep 22	24.6	32.0	27.6	63	100	90	1,006	1,011	1,009	11.2
19 Sep 22	24.9	30.9	27.6	69	100	88	1,008	1,012	1,010	0.2
20 Sep 22	24.4	32.3	27.9	58	100	83	1,006	1,011	1,009	0.4
21 Sep 22	24.5	34.7	28.8	52	100	83	1,004	1,010	1,008	13.0
22 Sep 22	24.4	32.8	27.6	61	100	91	1,005	1,010	1,008	18.0
23 Sep 22	24.6	32.5	27.2	64	100	94	1,005	1,010	1,008	7.6
24 Sep 22	23.8	31.8	27.4	71	100	94	1,004	1,010	1,008	38.8
25 Sep 22	24.4	31.1	27.1	77	100	97	1,005	1,010	1,008	3.2
26 Sep 22	24.3	27.8	26.0	99	100	100	1,006	1,012	1,009	3.6
27 Sep 22	24.8	30.4	26.4	86	100	99	1,005	1,010	1,008	10.4
28 Sep 22	23.8	32.1	27.7	67	100	90	1,002	1,007	1,005	0.8
29 Sep 22	24.2	29.8	26.3	91	100	99	1,002	1,006	1,004	4.0
30 Sep 22	24.9	32.7	28.0	61	100	89	1,003	1,008	1,006	0.0
Total	23.3	35.8	27.8	52	100	90	1,002	1,013	1,008	146.0
Day	30			24			30			30
Hours	720			564			720			720

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

Date/Month/Year : 1-30/September/2022

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	ALL
N	4.20%	0.70%	0.00%	0.00%	4.90%
NNE	1.54%	0.14%	0.00%	0.00%	1.68%
NE	0.56%	0.00%	0.00%	0.00%	0.56%
ENE	1.54%	0.14%	0.00%	0.00%	1.68%
E	1.82%	0.00%	0.00%	0.00%	1.82%
ESE	1.12%	0.14%	0.00%	0.00%	1.26%
SE	1.96%	0.42%	0.00%	0.00%	2.38%
SSE	2.52%	0.70%	0.14%	0.00%	3.36%
S	2.80%	0.70%	0.00%	0.00%	3.50%
SSW	2.10%	0.98%	0.00%	0.00%	3.08%
SW	6.29%	2.24%	0.00%	0.00%	8.53%
WSW	6.43%	4.20%	0.00%	0.00%	10.63%
W	8.39%	4.06%	0.14%	0.00%	12.59%
WNW	12.73%	6.29%	0.14%	0.00%	19.16%
NNW	11.19%	2.24%	0.00%	0.00%	13.43%
N	6.99%	0.70%	0.00%	0.00%	7.69%
Total	72.17%	23.64%	0.42%	0.00%	96.22%
No. of Monitored Hours	720	Hours	No. of Calm	27	Hours
No. of Monitored Days	30	Days	Calm (%)	3.75	
Missing Data	5	Hours	Average Wind Speed	1.11	m/s
No. of Valid Data	715	Hours	Maximum Wind Speed	3.90	m/s
Wind Rose by : Air Quality and Noise Section : 2020/05				Prevailing Wind Direction	
				WNW	

Equipment Status of Wat Gang Gado Monitoring Station "September 2022"						
No.	Site	Analyzer	Brand	Model	SN	Status
2	วัดคลองแค (B)	SO <sub>2</sub>	Thermo Scientific	431825AB	131575798	Normal
		NO <sub>2</sub>	Thermo Scientific	402402MSDAB	131575795	Normal
		O <sub>3</sub>	Thermo Scientific	491B2NAB	131575900	Normal
		DUST (TSP)	Thermo Scientific	5014 (in-26-004-2)	CM1321104	Normal
		DUST (PM - 10)	Thermo Scientific	5014 (in-26-004-1)	CM1321103	Normal
		ZERO AIR	Thermo Scientific	1160 BHR2C	131575803	Normal
		CALIBRATOR	Thermo Scientific	1461B3BEAB	131575802	Normal
		DATA LOGGER (midas)	ADVANTECH	IPC-510	KMA1478929	Normal
		Ethernet Switch	TPLINK	TL-SF1016	12986702508	Normal
		UPS	Power Matec	TR-3000	13 KEI 00077	Normal
		Display LCD 20"	HP	P201	6CM3002SC2	Normal
		Keyboard Wireless	Logitech	K220	13145C10MA48	Normal
		Mouse Wireless	Logitech	M150	13135CM0XGW8	Normal
		Standard Gas	Argos	-	LL15436	Normal
		WIND SPEED	LASTEM	DNA B27	BZ 1506563	Normal
		WIND DIRECTION	LASTEM	DNA B27	BZ 1506563	Normal
		AIR TEMPERATURE	LASTEM	DMA 875	CH 1506498	Normal
		RELATIVE HUMIDITY	LASTEM	DMA 875	CH 1506498	Normal
		BAROMETRIC PRESSURE	LASTEM	DOA 208	-	Normal
		RAIN GAUGE	LASTEM	DOA 030	-	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.  
MONITORING STATION : Ban Klong Klao

MONTH : September  
YEAR : 2022

Date	Concentration					
	TSP (µg/m <sup>3</sup> )	PM-10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (ppb)		NO <sub>2</sub> (ppb)	O <sub>3</sub> (ppb)
	24-Hr Avg	24-Hr Avg	24-Hr Avg	1-Hr Avg	1-Hr Avg	1-Hr Avg
1 Sep 22	N/A	20	3 - 4	2 - 19	4 - 60	
2 Sep 22	N/A	21	3	3 - 5	2 - 9	3 - 53
3 Sep 22	N/A	N/A	N/A	4 - 8	4 - 8	4 - 24
4 Sep 22	N/A	N/A	N/A	N/A	N/A	N/A
5 Sep 22	N/A	N/A	N/A	N/A	N/A	N/A
6 Sep 22	N/A	N/A	N/A	2 - 3	3 - 3	33 - 36
7 Sep 22	N/A	N/A	N/A	2 - 4	4 - 8	7 - 36
8 Sep 22	N/A	20	4	3 - 5	2 - 9	4 - 25
9 Sep 22	N/A	33	4	4 - 5	2 - 14	3 - 32
10 Sep 22	N/A	15	4	4 - 5	2 - 9	3 - 34
11 Sep 22	N/A	16	4	4 - 5	1 - 10	3 - 22
12 Sep 22	N/A	18	4	4 - 5	2 - 11	5 - 39
13 Sep 22	N/A	17	4	4 - 5	1 - 7	3 - 42
14 Sep 22	N/A	16	4	4 - 5	2 - 14	4 - 27
15 Sep 22	N/A	17	5	4 - 5	1 - 7	3 - 23
16 Sep 22	N/A	13	5	4 - 6	1 - 10	4 - 26
17 Sep 22	N/A	17	4	4 - 5	1 - 8	4 - 33
18 Sep 22	N/A	17	4	4	1 - 12	4 - 37
19 Sep 22	N/A	15	4	2 - 5	2 - 8	4 - 25
20 Sep 22	N/A	15	2	1 - 2	2 - 8	2 - 19
21 Sep 22	N/A	17	2	1 - 2	1 - 6	5 - 37
22 Sep 22	N/A	18	2	2 - 6	2 - 11	5 - 44
23 Sep 22	N/A	15	2	1 - 2	2 - 8	5 - 34
24 Sep 22	N/A	18	2	2 - 3	1 - 9	4 - 47
25 Sep 22	N/A	14	2	1 - 3	1 - 6	6 - 48
26 Sep 22	N/A	15	2	1 - 3	2 - 19	1 - 27
27 Sep 22	N/A	20	2	2 - 3	2 - 22	1 - 28
28 Sep 22	N/A	18	2	2 - 3	1 - 6	1 - 19
29 Sep 22	N/A	15	2	2 - 3	1 - 13	1 - 23
30 Sep 22	N/A	16	2	2 - 5	1 - 13	2 - 29
Range	-	10 - 21	2 - 5	1 - 6	1 - 22	1 - 60
Number of times exceeded standard	0	0	0	0	0	0
Total Day Monitoring	25	25	25	25	25	25
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) N/A = Data not Available  
5) SO<sub>2</sub> = Sulfur Dioxide  
6) NO<sub>2</sub> = Nitrogen Dioxide  
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 : September

MONITORING STATION : Ban Klong Klao

YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Sep 22	26.3	37.4	29.9	38	99	81	1,004	1,009	1,007	1.2
2 Sep 22	25.5	36.0	30.2	44	99	76	1,003	1,008	1,007	0.0
3 Sep 22	26.5	31.7	28.1	63	99	90	1,006	1,007	1,006	0.0
4 Sep 22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5 Sep 22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6 Sep 22	33.7	35.0	34.3	48	55	51	1,004	1,006	1,005	0.0
7 Sep 22	23.5	30.6	26.3	71	100	90	1,005	1,010	1,007	42.8
8 Sep 22	24.2	30.7	26.5	63	100	92	1,006	1,011	1,008	4.6
9 Sep 22	24.7	34.1	28.7	51	99	79	1,006	1,011	1,009	0.0
10 Sep 22	24.7	34.1	27.6	52	100	88	1,006	1,011	1,009	4.6
11 Sep 22	25.0	33.9	28.5	53	99	80	1,005	1,011	1,009	0.2
12 Sep 22	25.7	33.7	28.8	50	99	78	1,005	1,010	1,008	0.0
13 Sep 22	24.9	35.1	28.6	48	99	82	1,005	1,010	1,008	3.8
14 Sep 22	24.4	34.2	27.2	53	100	90	1,007	1,010	1,009	28.0
15 Sep 22	24.9	34.9	28.7	48	99	76	1,004	1,010	1,008	0.0
16 Sep 22	25.8	34.4	29.7	49	99	70	1,003	1,008	1,006	0.0
17 Sep 22	26.0	34.0	28.3	54	99	86	1,004	1,008	1,006	3.2
18 Sep 22	25.7	32.9	28.2	54	99	85	1,005	1,009	1,007	3.4
19 Sep 22	25.2	31.5	28.0	57	99	77	1,006	1,010	1,008	0.0
20 Sep 22	25.3	33.2	28.6	50	99	71	1,005	1,009	1,007	0.0
21 Sep 22	24.9	35.1	29.2	45	99	70	1,003	1,008	1,006	1.6
22 Sep 22	24.1	33.8	27.6	53	100	88	1,003	1,008	1,006	18.0
23 Sep 22	25.6	32.5	27.9	58	99	88	1,004	1,009	1,007	0.2
24 Sep 22	24.7	33.0	27.9	58	100	88	1,003	1,008	1,006	3.0
25 Sep 22	24.4	32.5	27.4	55	100	89	1,004	1,009	1,006	0.6
26 Sep 22	24.8	28.1	26.2	96	100	99	1,005	1,010	1,008	6.0
27 Sep 22	24.5	30.9	26.7	62	99	92	1,004	1,008	1,006	5.6
28 Sep 22	24.5	32.9	28.1	55	99	80	1,001	1,006	1,003	0.0
29 Sep 22	24.4	30.6	26.9	62	99	91	1,001	1,004	1,002	2.8
30 Sep 22	25.1	32.3	28.3	55	99	82	1,002	1,006	1,004	0.0
Total	23.5	37.4	28.3	38	100	82	1,001	1,011	1,007	129.6
Day	28	28	28	28	28	28				
Hours	620	620	620	620	620	620				

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

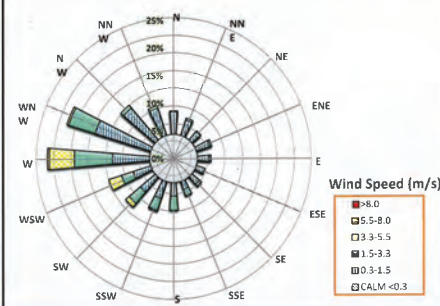




บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co., Ltd.

Date/Month/Year : 1-30/September/2022

STATION : Ban Klang Klai



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	4.03%	0.16%	0.00%	0.00%	0.00%	4.19%
NNE	2.90%	0.32%	0.00%	0.00%	0.00%	3.23%
NE	1.94%	0.16%	0.00%	0.00%	0.00%	2.10%
ENE	2.58%	0.32%	0.00%	0.00%	0.00%	2.90%
E	2.10%	0.32%	0.00%	0.00%	0.00%	2.42%
ESE	1.61%	0.00%	0.00%	0.00%	0.00%	1.61%
SE	1.77%	0.48%	0.00%	0.00%	0.00%	2.26%
SSE	1.45%	1.29%	0.00%	0.00%	0.00%	2.74%
S	2.42%	2.58%	0.00%	0.00%	0.00%	5.00%
SSW	3.23%	2.26%	0.16%	0.00%	0.00%	5.63%
SW	3.55%	2.74%	0.81%	0.00%	0.00%	7.10%
WSW	3.39%	2.26%	2.42%	0.00%	0.00%	8.06%
W	6.77%	6.94%	4.52%	0.32%	0.00%	18.55%
WNW	10.65%	5.00%	0.32%	0.00%	0.00%	15.97%
NW	7.58%	0.65%	0.00%	0.00%	0.00%	8.23%
NNW	5.16%	0.48%	0.00%	0.00%	0.00%	5.65%
61.13%						25.97%
8.23%						0.32%
0.00%						95.63%
No. of Monitored Hours		720		Hours		No. of Calm
No. of Monitored Days		30		Days		27
Missing Data		100		Hours		Average Wind Speed
No. of Valid Data		620		Hours		1.47
				Maximum Wind Speed		5.90
				Prevaling Wind Direction		W

สถานีบ้านขาวเหนือ  
(สถานที่ตรวจวัด : บ้านขาวเหนือ)



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co., Ltd.

MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT

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

MONTH : September  
YEAR : 2022

Date	Concentration				
	TSP (µg/m³)	PM-10 (µg/m³)	SO <sub>2</sub> (ppb)	NO <sub>2</sub> (ppb)	O <sub>3</sub> (ppb)
	24-Hr Avg	24-Hr Avg	24-Hr Avg	1-Hr Avg	1-Hr Avg
1 Sep 22	25	22	2	1 - 2	1 - 18
2 Sep 22	22	16	2	1 - 2	1 - 5
3 Sep 22	22	15	2	1 - 2	1 - 10
4 Sep 22	23	12	1	1 - 2	1 - 7
5 Sep 22	17	9	2	1 - 2	1 - 7
6 Sep 22	13	6	1	1 - 2	1 - 5
7 Sep 22	17	6	2	1 - 2	1 - 5
8 Sep 22	32	6	2	1 - 2	0 - 7
9 Sep 22	15	8	2	1 - 2	1 - 6
10 Sep 22	18	8	2	1 - 2	1 - 4
11 Sep 22	15	6	2	1 - 2	0 - 4
12 Sep 22	21	11	2	1 - 2	1 - 9
13 Sep 22	16	3	1	1 - 2	0 - 4
14 Sep 22	21	7	1	1 - 2	0 - 5
15 Sep 22	14	6	2	1 - 2	0 - 3
16 Sep 22	13	7	2	1 - 2	0 - 5
17 Sep 22	17	10	2	1 - 2	0 - 3
18 Sep 22	21	10	2	1 - 3	0 - 5
19 Sep 22	17	8	2	1 - 11	0 - 3
20 Sep 22	16	7	2	1 - 3	0 - 2
21 Sep 22	15	9	2	1 - 2	0 - 4
22 Sep 22	32	8	2	1 - 5	0 - 9
23 Sep 22	37	7	2	1 - 2	0 - 7
24 Sep 22	16	9	1	1 - 2	0 - 6
25 Sep 22	39	12	1	1 - 2	1 - 5
26 Sep 22	16	8	1	1 - 2	1 - 16
27 Sep 22	23	10	1	1 - 2	0 - 16
28 Sep 22	16	7	2	1 - 2	0 - 3
29 Sep 22	15	6	1	1 - 3	0 - 6
30 Sep 22	23	10	1	1 - 2	1 - 12
Average	13 - 37	3 - 22	1 - 2	1 - 11	0 - 18
Number of times exceeded standard	0	0	0	0	0
Total Day	30	30	30	30	30
Monitoring Hour	717	715	686	686	684
Ambient Air Quality Standard	350	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) SO<sub>2</sub> : Sulfur Dioxide  
5) NO<sub>2</sub> : 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 : September

MONITORING STATION : Ban Chao Nua YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Sep 22	26.6	36.7	30.0	43	99	77	1,002	1,007	1,005	0.0
2 Sep 22	25.5	36.0	30.1	46	99	79	1,002	1,007	1,005	0.0
3 Sep 22	25.3	35.8	29.2	52	99	84	1,002	1,006	1,004	6.6
4 Sep 22	23.3	35.0	28.3	54	99	86	1,002	1,008	1,005	17.6
5 Sep 22	24.2	30.9	27.4	68	99	90	1,003	1,008	1,006	4.4
6 Sep 22	25.1	33.5	27.9	56	99	88	1,003	1,007	1,005	3.2
7 Sep 22	24.6	30.5	26.9	74	99	91	1,004	1,008	1,006	5.6
8 Sep 22	24.5	31.1	26.4	67	99	93	1,004	1,009	1,007	3.8
9 Sep 22	25.2	25.2	25.2	99	99	99	1,008	1,008	1,008	0.0
10 Sep 22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11 Sep 22	25.6	32.7	29.2	58	98	76	1,004	1,008	1,006	0.0
12 Sep 22	25.3	32.8	28.4	54	99	79	1,003	1,008	1,006	0.0
13 Sep 22	24.8	34.5	28.4	51	99	82	1,004	1,009	1,007	6.4
14 Sep 22	24.9	33.2	27.5	59	99	90	1,005	1,009	1,007	5.4
15 Sep 22	24.7	34.3	29.3	52	99	75	1,003	1,008	1,006	0.2
16 Sep 22	25.8	34.3	29.5	50	95	72	1,001	1,006	1,004	0.0
17 Sep 22	25.7	33.4	28.3	57	99	83	1,002	1,007	1,005	7.6
18 Sep 22	24.7	32.0	27.7	59	99	86	1,003	1,008	1,006	6.8
19 Sep 22	24.9	31.4	27.8	62	99	81	1,005	1,009	1,007	0.2
20 Sep 22	25.0	32.1	28.2	56	97	75	1,003	1,008	1,006	0.0
21 Sep 22	24.8	34.4	28.8	50	99	74	1,001	1,007	1,005	6.8
22 Sep 22	24.1	32.5	27.5	60	99	88	1,002	1,007	1,005	21.0
23 Sep 22	24.3	32.2	26.9	61	99	91	1,002	1,007	1,005	33.0
24 Sep 22	24.2	31.2	27.1	68	99	91	1,001	1,007	1,005	57.8
25 Sep 22	24.4	31.7	27.2	68	99	92	1,002	1,007	1,005	1.4
26 Sep 22	24.6	27.6	26.0	98	99	99	1,003	1,008	1,006	6.0
27 Sep 22	24.6	30.2	26.4	73	99	94	1,002	1,007	1,005	12.4
28 Sep 22	24.5	32.0	28.0	61	99	83	999	1,004	1,002	0.6
29 Sep 22	24.3	30.7	26.6	68	99	93	999	1,003	1,001	4.0
30 Sep 22	24.7	32.9	28.1	58	99	83	1,001	1,005	1,003	0.0
Total	23.3	36.7	27.9	43	99	85	999	1,009	1,005	210.8
Day	29			29			29			29
Hours	646			646			646			646

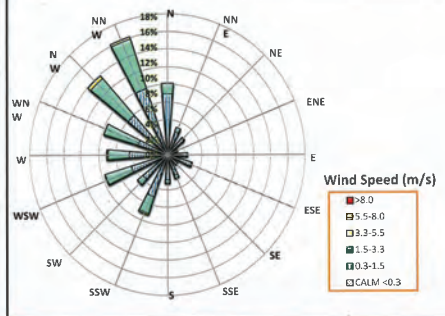
Remarks :- P = Power Fail, F = Equipment Fail, N/A = Data not Available



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co., Ltd.

Date/Month/Year : 1-30/September/2022

STATION : Ban Chao Nua



Wind Speed (m/s)						
Wind Sector	0.0-1.5	1.5-3.3	3.3-5.5	5.5-8.0	8.0+	All
N	7.89%	1.39%	0.00%	0.00%	0.00%	9.29%
NNE	3.10%	0.62%	0.00%	0.00%	0.00%	3.72%
NE	2.79%	0.15%	0.00%	0.00%	0.00%	2.94%
ENE	1.24%	0.15%	0.00%	0.00%	0.00%	1.39%
E	2.63%	0.00%	0.00%	0.00%	0.00%	2.63%
ESE	3.25%	0.15%	0.00%	0.00%	0.00%	3.41%
SE	1.24%	0.46%	0.00%	0.00%	0.00%	1.70%
SSE	2.79%	0.46%	0.00%	0.00%	0.00%	3.25%
S	3.25%	0.46%	0.00%	0.00%	0.00%	3.72%
SSW	5.73%	2.32%	0.15%	0.00%	0.00%	8.20%
SW	4.18%	0.93%	0.00%	0.00%	0.00%	5.11%
WSW	4.95%	3.56%	0.00%	0.00%	0.00%	8.51%
W	4.95%	2.79%	0.15%	0.00%	0.00%	7.89%
WNW	4.02%	4.64%	0.00%	0.00%	0.00%	8.67%
NW	6.66%	6.35%	0.46%	0.00%	0.00%	13.47%
NNW	8.98%	6.61%	0.31%	0.00%	0.00%	16.10%
	67.65%	31.27%	1.08%	0.00%	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	74	Hours	Average Wind Speed	1.30	m/s	
No. of Valid Data	646	Hours	Maximum Wind Speed	4.30	m/s	
Wind Rose by : Air Quality and Noise Section			2023/05			
			Prevailing Wind Direction			NNW

Preventive maintenance schedule,

Plan and actual

Equipment Status of Ban Chao Nua Monitoring Station "September 2022"						
No.	Site	Analyzer	Brand	Model	S/N	Status
4	บ้านจวนบุรี (CN)	SO <sub>2</sub>	Thermo Scientific	43H25AB	1315757997	Normal
		NO <sub>2</sub>	Thermo Scientific	42H25AB	1315757996	Normal
		O <sub>3</sub>	Thermo Scientific	49H25AB	1315757999	Normal
		DUST (TSP)	Thermo Scientific	5014 (in-26-004-4)	CM131106	Normal
		DUST (PM - 10)	Thermo Scientific	5014 (in-26-004-3)	CM1321105	Normal
		ZERO AIR	Thermo Scientific	1160 BHRCC	1315758010	Normal
		CALIBRATOR	Thermo Scientific	146-8838A8	1315758001	Normal
		DATA LOGGER/ENVI	ADVANTECH	PC-510	89A1478933	Normal
		Data Logger/Envi	Enviroch	Enviro Ultimate	281220	Normal
		Switch Hub/ 16 port	TP-LINK	TL-SF1016	12886701720	Normal
		UPS	Power Matec	TR-3000	13 KEI 00882	Normal
		Display LCD 20"	HP	P201	6CM3151918	Normal
		Keyboard Wireless	Logitech	K220	53145C105468	Normal
		Mouse Wireless	Logitech	M150	1315C0M09H08	Normal
		Standard Gas	Aigas	LL121560	1315C0M09H08	Normal
		WIND SPEED	LASTEM	DNA 827	BZ 1506562	Normal
		WIND DIRECTION	LASTEM	DNA 827	BZ 1506562	Normal
		AIR TEMPERATURE	LASTEM	DNA 875	CH 1506501	Normal
		RELATIVE HUMIDITY	LASTEM	DNA 875	CH 1506501	Normal
		BAROMETRIC PRESSURE	LASTEM	DQA 208	1315C0M09H08	Normal
		RAIN GAUGE	LASTEM	DQA 030	20210013 0018	Normal



[illegible]

	plan	Actual
1. Sales	100	100
2. Variable costs	60	60
3. Contribution margin	40	40
4. Fixed costs	30	30
5. Operating income	10	10

Project: Ratchaburi Power Co.,Ltd. Page 1 of 1  
 Site No.: 5 Station: Donsai Sub-district Month - Year : n.d.-2022

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 :	5-Sep-22 to 11-Sep-22		
ผู้ปฏิบัติงาน :	1) นาย พงศ์วิริยะ เขาวลิตร์ 2) _____ 3) _____ 4) _____		
พชร. :	นาย สจำ กรณรัมย์		
สรุปรายละเอียดการปฏิบัติงาน			
- Data logger ปกติ			
- Station โดยรอบปกติ			
- Standard gas 1950 psi			
- PM-10 High Volume Fail อยู่ระหว่างส่งซ่อมกับ บ.ลิทอิพร แอสโซซิเอต จำกัด			
- Replace filter high-volume Run 11/10/2022			
- Cal. Single point of all analyzer			
Remark :			
นาย พงศ์วิริยะ เขาวลิตร์			
ผู้ปฏิบัติงาน			
Date :	12-Sep-2022		

Weekly Report _ AAQM-RB			
Site :	Ratchaburi Power Plant	Week No.	37
Date :	12-Sep-22 to 18-Sep-22		
ผู้ปฏิบัติงาน :	1) นาย พงศ์วิริยะ เขาวลิตร์ 2) _____ 3) _____ 4) _____		
พชร. :	นาย สจำ กรณรัมย์		
สรุปรายละเอียดการปฏิบัติงาน			
- Data logger ปกติ			
- Station โดยรอบปกติ			
- Standard gas 1950 psi			
- PM-10 High Volume Fail อยู่ระหว่างส่งซ่อมกับ บ.ลิทอิพร แอสโซซิเอต จำกัด			
- Replace filter high-volume Run 17/09/2022			
Remark :			
นาย พงศ์วิริยะ เขาวลิตร์			
ผู้ปฏิบัติงาน			
Date :	19-Sep-2022		

Weekly Report _ AAQM-RB			
Site :	Ratchaburi Power Plant	Week No.	38
Date :	19-Sep-22 to 25-Sep-22		
ผู้ปฏิบัติงาน :	1) นาย พงศ์วิริยะ เขาวลิตร์ 2) _____ 3) _____ 4) _____		
พชร. :	นาย สจำ กรณรัมย์		
สรุปรายละเอียดการปฏิบัติงาน			
- Data logger ปกติ			
- Station โดยรอบปกติ			
- Standard gas 1950 psi			
- PM-10 High Volume Fail อยู่ระหว่างส่งซ่อมกับ บ.ลิทอิพร แอสโซซิเอต จำกัด			
- Replace filter high-volume Run 23/09/2022			
Remark :			
นาย พงศ์วิริยะ เขาวลิตร์			
ผู้ปฏิบัติงาน			
Date :	26-Sep-2022		

Weekly Report _ AAQM-RB			
Site :	Ratchaburi Power Plant	Week No.	39
Date :	26-Sep-22 to 2-Oct-22		
ผู้ปฏิบัติงาน :	1) นาย พงศ์วิริยะ เขาวลิตร์ 2) _____ 3) _____ 4) _____		
พชร. :	นาย สจำ กรณรัมย์		
สรุปรายละเอียดการปฏิบัติงาน			
- Data logger ปกติ			
- Station โดยรอบปกติ			
- Standard gas 1940 psi			
- PM-10 High Volume Fail อยู่ระหว่างส่งซ่อมกับ บ.ลิทอิพร แอสโซซิเอต จำกัด			
- Replace filter high-volume Run 29/09/2022			
Remark :			
นาย พงศ์วิริยะ เขาวลิตร์			
ผู้ปฏิบัติงาน			
Date :	3-Oct-2022		

## Consumable and spare part list

List Code for Space Data & Consumable Data (MQAR 001 - September 2023)																											
No.	Description	Unit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	140000 Commodities PHS	FM 10/2.5 TROM	96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
32	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
33	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
35	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
36	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
37	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
38	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
39	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
40	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
41	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
42	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
43	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
44	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
45	140000 Commodities PHS	FM 10/2.5 TROM	11774-040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0</			

### Calibration result

## Calibration Sheet

Project : Ratchaburi Power Plant

Site No. : 5      Station : DONSAL

Date : 8 Sep 22

Page 01

Start Time : 13.00

Analyzer		SO <sub>2</sub>	NO <sub>x</sub>	O <sub>3</sub>	Standard Gas	SO <sub>2</sub>	NO <sub>x</sub>	Start Time : 13.00
Manufacturer	ECOTECH	Thermo	ECOTECH	Cylinder No.	D 636099		Remark	
Model	EC 9850B	42Q	EC 9810 B	Concentration	50.10	51.90		
Serial No.	05-1274	-	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 <sub>2</sub> Before Calibrate	Zero	0	3	-3	-0.6	Gain : 22.49								
	Span(Lo.)	80	-	-	-									
	Span(Mid.)	150	-	-	-									
	Span(Hi.)	400	447	-47	-11.8									
SO <sub>2</sub> After Calibrate	Zero	0	3	-3	-0.6	Gain : 22.69								
	Span(Lo.)	80	-	-	-									
	Span(Mid.)	150	-	-	-									
	Span(Hi.)	400	450	-50	-12.5									
NO <sub>x</sub> Before Calibrate	Zero	0	0	1.1	0.3	1.5	-1.1	-0.3	-1.5	-0.2	-0.1	-0.3	Gain : 4.75	
	Span(Lo.)	80	0	80	-	-	-	-	-	-	-	-		
	Span(Mid.)	150	0	150	-	-	-	-	-	-	-	-		
	Span(Hi.)	450	0	450	434.0	-2.0	431.0	16	2	19	3.6	0.4		4.2
NO <sub>x</sub> After Calibrate	Zero	0	0	0	1.1	0.3	1.5	-1.1	-0.3	-1.5	-0.2	-0.1	-0.3	Gain : 4.92
	Span(Lo.)	80	0	80	-	-	-	-	-	-	-	-	-	
	Span(Mid.)	150	0	150	-	-	-	-	-	-	-	-	-	
	Span(Hi.)	450	0	450	451.0	-1.0	450.0	-1	1	0.0	-0.2	0.2	0.0	
O <sub>3</sub> Before Calibrate	Zero	0	5	-5	-	-	-	-	-	-	-	-1.0	Gain : 1.405	
	Span(Lo.)	80	-	-	-	-	-	-	-	-	-	-		
	Span(Mid.)	150	-	-	-	-	-	-	-	-	-	-		
	Span(Hi.)	400	-	487	-87	-	-	-	-	-	-	-		
O <sub>3</sub> After Calibrate	Zero	0	2	-2	-	-	-	-	-	-	-	-0.4	Gain : 1.208	
	Span(Lo.)	80	-	-	-	-	-	-	-	-	-	-		
	Span(Mid.)	150	-	-	-	-	-	-	-	-	-	-		
	Span(Hi.)	400	-	450	-50	-	-	-	-	-	-	-12.5		
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 : Pongvitha														

Calibrate by : Pongviriyaa

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

Finish Time : 14.00



บริษัท ราชบุรีเพาวเวอร์ จำกัด  
Ratchaburi Power Co., Ltd.

รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง  
บริษัท ราชบุรีเพาวเวอร์ จำกัด

ประจำเดือนตุลาคม 2565

เสนอต่อ

บริษัท ราชบุรีเพาวเวอร์ จำกัด

โดย

ฝ่ายสิ่งแวดล้อมโครงการ

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง  
บริษัท ราชบุรีเพาวเวอร์ จำกัด  
ประจำเดือนตุลาคม 2565

รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง  
บริษัท ราชบุรีเพาวเวอร์ จำกัด  
เดือนตุลาคม 2565

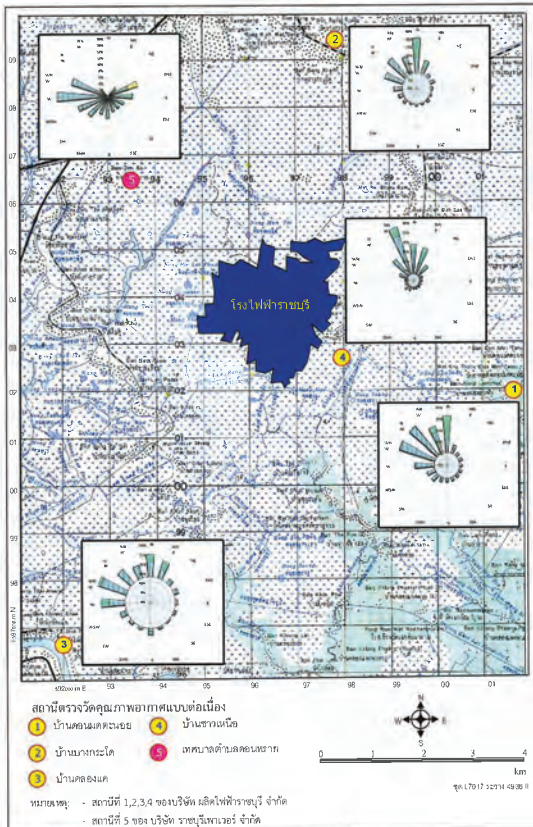
ผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง บริษัท ราชบุรีเพาวเวอร์ จำกัด ประจำเดือนตุลาคม 2565 จากสถานีตรวจวัดคุณภาพอากาศเทศบาลตำบลดอนทราย ผลการตรวจวัดดัชนีคุณภาพอากาศ พบว่า ฝุ่นละอองรวม ฝุ่นละอองขนาดไม่เกิน 10 ไมครอน ก๊าซซัลเฟอร์ไดออกไซด์ ก๊าซไนโตรเจนไดออกไซด์ มีค่าอยู่ในเกณฑ์มาตรฐานคุณภาพอากาศในบรรยากาศโดยทั่วไป ตามประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ยกเว้นค่าฝุ่นละอองขนาดไม่เกิน 2.5 ไมครอน และก๊าซโอโซน มีค่าเกินมาตรฐานฯ เป็นครั้งคราวดังนี้

- ฝุ่นละอองขนาดไม่เกิน 2.5 ไมครอน ในวันที่ 20 ตุลาคม 2565 มีค่า 51  $\mu\text{g}/\text{m}^3$
- ก๊าซโอโซน ในวันที่ 18, 19, 20 ตุลาคม 2565 มีค่า 112, 128, 122 ppb ตามลำดับ

สรุปผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง (ตุลาคม 2565)

สถานีตรวจวัด	ค่าเฉลี่ยในเวลา 24 ชั่วโมง				ค่าเฉลี่ยในเวลา 1 ชั่วโมง		
	$(\mu\text{g}/\text{m}^3)$		(ppb)		(ppb)		
	TSP	PM-10	PM-2.5	SO <sub>2</sub>	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>3</sub>
เทศบาลตำบลดอนทราย	15 - 50	14 - 77	9 - 51*	0 - 5	0 - 8	3 - 49	2 - 128*
มาตรฐาน	330	120	50	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) ฉบับที่ 36 (พ.ศ. 2553)



แผนที่แสดงตำแหน่งที่ตั้งสถานีตรวจวัดคุณภาพอากาศแบบต่อเนื่อง ของ บริษัท ผลิตไฟฟ้าราชบุรี จำกัด และ บริษัท ราชบุรีเพาวเวอร์ จำกัด

สถานีเทศบาลตำบลดอนทราย



MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING - RESULT

PROJECT : Ratchaburi Power Co., Ltd. Month : October  
MONITORING STATION : Donsai Sub-district YEAR : 2022

Date	SO <sub>2</sub> (ppb)		NO <sub>x</sub> (ppb)		O <sub>3</sub> (ppb)		O <sub>3</sub> (%)	
	24-Hr. Avg.	1-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Oct 22	1	1 - 2	10	6 - 16	2 - 22	N/A		
2 Oct 22	2	1 - 2	11	7 - 17	3 - 29	N/A		
3 Oct 22	1	0 - 2	13	6 - 21	4 - 19	N/A		
4 Oct 22	3	2 - 3	16	8 - 27	3 - 33	N/A		
5 Oct 22	2	2 - 3	19	13 - 27	3 - 15	N/A		
6 Oct 22	2	1 - 3	17	9 - 29	3 - 36	N/A		
7 Oct 22	1	1	16	9 - 25	4 - 66	N/A		
8 Oct 22	1	1 - 2	18	11 - 27	3 - 32	N/A		
9 Oct 22	1	0 - 1	17	12 - 29	4 - 26	N/A		
10 Oct 22	1	1	18	11 - 28	6 - 50	N/A		
11 Oct 22	1	1 - 2	16	12 - 21	10 - 43	N/A		
12 Oct 22	5	2 - 8	22	13 - 39	6 - 68	N/A		
13 Oct 22	0	0 - 5	16	5 - 49	3 - 72	N/A		
14 Oct 22	0	0 - 1	10	5 - 17	5 - 61	N/A		
15 Oct 22	0	0 - 1	8	4 - 13	7 - 73	N/A		
16 Oct 22	1	0 - 3	5	4 - 8	35 - 63	N/A		
17 Oct 22	2	0 - 3	N/A	5 - 13	11 - 97	N/A		
18 Oct 22	2	1 - 3	N/A	N/A	17 - 112*	N/A		
19 Oct 22	3	2 - 4	N/A	N/A	18 - 128*	N/A		
20 Oct 22	3	2 - 4	N/A	4 - 11	25 - 122*	N/A		
21 Oct 22	0	0 - 2	9	6 - 15	18 - 72	N/A		
22 Oct 22	2	0 - 2	10	6 - 19	12 - 66	N/A		
23 Oct 22	0	0 - 1	9	6 - 16	9 - 55	N/A		
24 Oct 22	2	1 - 4	10	6 - 22	6 - 74	N/A		
25 Oct 22	1	0 - 2	10	3 - 22	12 - 89	N/A		
26 Oct 22	1	0 - 5	13	6 - 30	4 - 44	N/A		
27 Oct 22	0	0 - 1	13	7 - 25	3 - 42	N/A		
28 Oct 22	1	0 - 4	14	8 - 26	4 - 44	N/A		
29 Oct 22	2	2 - 4	13	9 - 21	2 - 67	N/A		
30 Oct 22	5	4 - 7	12	7 - 27	14 - 82	N/A		
31 Oct 22	5	4 - 7	17	8 - 36	10 - 78	N/A		
Range	0 - 5	0 - 8	5 - 22	3 - 69	2 - 128*			
Number of times (exceeded standard)	0	0	0	0	5			
Total Day	31	31	27	29	31			
Monitoring Hour	736	736	643	643	738			
Ambient Air Quality Standard	120	300	-	170	100			

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

MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING - RESULT

PROJECT : Ratchaburi Power Co., Ltd. Month : October  
MONITORING STATION : Donsai Sub-district YEAR : 2022

Date	Concentration (24-Hr Avg)				
	TSP (µg/m <sup>3</sup> )		PM-10 (µg/m <sup>3</sup> )		PM-2.5 (µg/m <sup>3</sup> )
	Micro balance	Hi volume	Micro balance	Hi volume	Micro balance
1 Oct 22	N/A		17		10
2 Oct 22	N/A		17		10
3 Oct 22	N/A		16		10
4 Oct 22	N/A		17		11
5 Oct 22	N/A	22	22	N/A	13
6 Oct 22	N/A		25		14
7 Oct 22	N/A		24		15
8 Oct 22	N/A		26		15
9 Oct 22	N/A		21		13
10 Oct 22	N/A		17		10
11 Oct 22	N/A	15	14	N/A	9
12 Oct 22	N/A		30		19
13 Oct 22	N/A		39		26
14 Oct 22	N/A		42		28
15 Oct 22	N/A		40		28
16 Oct 22	N/A		24		18
17 Oct 22	N/A	45	45	N/A	32
18 Oct 22	N/A		68		48
19 Oct 22	N/A		71		47
20 Oct 22	N/A		77		51*
21 Oct 22	N/A		51		39
22 Oct 22	N/A		33		25
23 Oct 22	N/A	34	33	N/A	24
24 Oct 22	N/A		42		31
25 Oct 22	N/A		53		38
26 Oct 22	N/A		44		33
27 Oct 22	N/A		31		22
28 Oct 22	N/A		39		26
29 Oct 22	N/A	50	42	N/A	25
30 Oct 22	N/A		45		31
31 Oct 22	N/A		60		44
Range		15 - 50	14 - 77		9 - 51
Number of times (exceeded standard)		0	0		1
Total Day		5	31		31
Monitoring Hour		120	726		728
Ambient Air Quality Standard		330	150		50

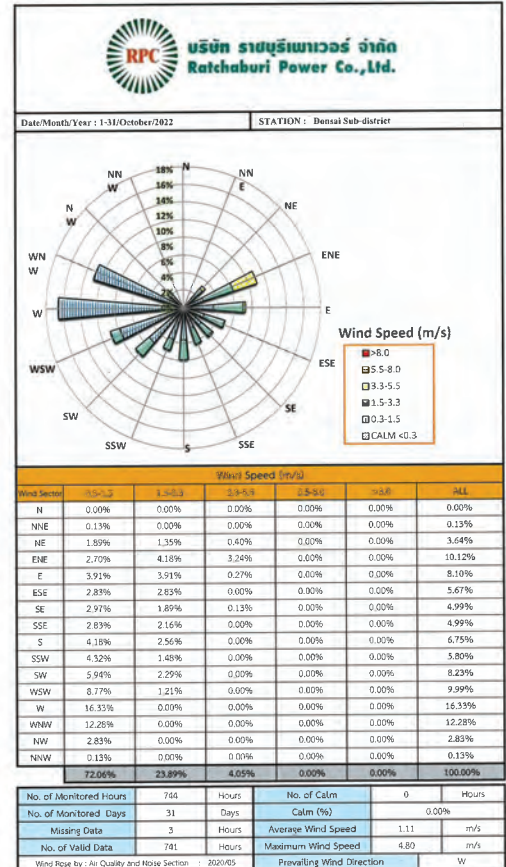
Remark : 1) Standards = Ambient Air Quality Standards of the National Environment Board  
2) TSP = Total Suspended Particulate  
3) PM-10 = Particulate matter less than 10 µm

MONTHLY REPORT  
METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Power Co., Ltd. Month : October  
MONITORING STATION : Donsai Sub-district YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Sum.
1 Oct 22	26.4	35.5	30.2	61	98	79	1,002	1,007	1,004	0.4
2 Oct 22	26.0	36.3	30.3	57	99	81	1,001	1,009	1,005	0.6
3 Oct 22	25.0	29.9	26.9	84	100	95	1,003	1,010	1,006	26.8
4 Oct 22	24.6	36.1	28.5	58	100	88	1,006	1,011	1,008	2.0
5 Oct 22	25.6	30.2	26.9	84	100	96	1,006	1,012	1,009	20.6
6 Oct 22	25.2	32.9	27.2	75	100	94	1,006	1,013	1,009	3.2
7 Oct 22	24.9	34.3	28.1	63	100	88	1,005	1,013	1,009	0.4
8 Oct 22	24.7	30.8	27.0	78	100	95	1,005	1,013	1,010	2.0
9 Oct 22	24.4	30.5	26.1	84	100	98	1,007	1,014	1,011	24.2
10 Oct 22	23.5	31.9	26.7	73	100	95	1,008	1,016	1,012	20.4
11 Oct 22	23.4	29.1	25.9	80	100	94	1,009	1,016	1,012	60.0
12 Oct 22	24.7	33.0	28.3	67	98	85	1,007	1,014	1,011	0.0
13 Oct 22	25.3	34.4	29.0	54	99	81	1,005	1,012	1,009	0.0
14 Oct 22	25.7	34.8	29.4	54	98	80	1,003	1,010	1,007	0.0
15 Oct 22	23.4	32.3	26.9	52	96	83	1,004	1,010	1,007	0.0
16 Oct 22	22.1	24.5	23.2	84	99	93	1,008	1,014	1,011	4.0
17 Oct 22	23.3	33.1	27.2	50	92	77	1,006	1,014	1,010	0.0
18 Oct 22	23.4	33.4	27.9	51	94	75	1,004	1,012	1,008	0.0
19 Oct 22	23.7	34.4	28.0	49	91	73	1,006	1,011	1,008	0.0
20 Oct 22	23.9	33.9	28.4	54	92	75	1,007	1,013	1,009	0.2
21 Oct 22	25.4	29.1	27.0	77	98	88	1,009	1,015	1,012	2.0
22 Oct 22	24.6	32.7	27.1	69	99	92	1,008	1,015	1,012	15.4
23 Oct 22	25.6	32.3	27.6	74	100	93	1,008	1,015	1,012	3.0
24 Oct 22	25.0	33.9	28.7	66	98	87	1,007	1,014	1,010	0.0
25 Oct 22	26.1	35.5	29.9	51	96	78	1,007	1,013	1,010	0.0
26 Oct 22	26.2	33.8	29.5	62	92	81	1,006	1,012	1,009	0.0
27 Oct 22	24.2	33.1	28.4	69	100	90	1,005	1,013	1,008	9.6
28 Oct 22	26.4	32.7	29.2	66	100	84	1,004	1,010	1,007	0.0
29 Oct 22	24.8	32.3	28.5	59	96	78	1,005	1,012	1,008	0.0
30 Oct 22	24.1	33.9	28.6	55	90	75	1,005	1,011	1,008	0.0
31 Oct 22	25.0	33.6	28.6	54	91	77	1,006	1,012	1,009	0.0
Total	22.1	36.3	27.9	49	100	85	1,001	1,016	1,009	194.8
Day	31	31	31	31	31	31				
Hours	741	741	741	741	741	741				


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



Equipment Status of Donsai Sub-district Monitoring Station "October 2022"						
No.	Site	Analyzer	Brand	Model	S/N	Status
5	Donsai	SO <sub>2</sub>	Ecotech	EC985B	05-1274	Normal
	(OS)	O <sub>3</sub>	Ecotech	EC9810B	06-0001	Normal
		NO <sub>2</sub>	Thermo	-	-	Normal
		DUST (PM - 10/2.5)	Thermo	14020F	-	Normal
		DUST (TSP)	Thermo	1400bb	1404B259735601	Fail
		O <sub>2</sub>	Riken Keiki	OX-400	-	Fail
		H-volume air sampler(PM-10)	Ecotech	HVS3000	05-1104	Fail
		H-volume air sampler(TSP)	Ecotech	HVS3000	05-1103	Normal
		WIND SPEED	Met One	010C	F7612	Normal
		WIND DIRECTION	Met One	020C	F1128	Normal
		AZ/PH	Met One	083D-1-35	F1920	Normal
		BAROMETRIC PRESSURE	Met One	090D	F1231	Normal
		Barogauge	Met One	-	-	Normal
		Multi Transducer	Met One	2270	F1284	Normal
		Data Logger	ADVANTECH	IPC-S10	-	Normal
		Main Gas Calibration	SABO	4010	10260306	Normal
		Zero Air generator	SABO	1001	036614768	Normal
		Modem	Tornado	FMV56.0E	4088712	Normal
		Air Condition 1	Dalkin	AB180V25	E003687	Normal
		Air Condition 2	Dalkin	AB180V25	E002831	Normal

ภาคผนวก

สถานีบ้านดอนมดตะนอย  
(สถานที่ตรวจวัด : วัดนักบุญอันโตนิโอ)



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด

Ratchabul Electricity Generating Co., Ltd.

MONTHLY REPORT

AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchabul Electricity Generating Co., Ltd.

MONTH : October

MONITORING STATION : Ban Don Mod Tanol

YEAR : 2022

Date	Concentration					
	TSP (µg/m <sup>3</sup> )	PM-10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (ppb)		NO <sub>2</sub> (ppb)	
	24-Hr. Avg.	24-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Oct 22	27	17	2	2 - 3	2 - 8	9 - 40
2 Oct 22	25	17	3	2 - 5	1 - 7	10 - 50
3 Oct 22	21	11	2	2 - 3	1 - 11	16 - 34
4 Oct 22	24	15	2	2 - 3	3 - 15	8 - 47
5 Oct 22	27	19	2	2 - 3	4 - 9	7 - 32
6 Oct 22	35	23	2	2 - 3	3 - 15	7 - 49
7 Oct 22	34	24	3	2 - 4	4 - 11	9 - 61
8 Oct 22	31	23	2	2 - 3	3 - 12	8 - 39
9 Oct 22	26	19	2	2 - 3	3 - 8	10 - 32
10 Oct 22	21	12	2	2 - 4	2 - 12	12 - 55
11 Oct 22	19	12	3	2 - 4	2 - 6	17 - 48
12 Oct 22	55	26	3	2 - 4	2 - 15	12 - 69
13 Oct 22	46	32	3	2 - 4	3 - 14	11 - 72
14 Oct 22	51	41	3	2 - 5	3 - 16	11 - 76
15 Oct 22	52	40	3	2 - 5	3 - 14	9 - 66
16 Oct 22	32	24	3	3	3 - 7	35 - 57
17 Oct 22	47	38	3	3 - 5	4 - 24	18 - 85
18 Oct 22	75	63	4	3 - 6	4 - 23	21 - 100
19 Oct 22	83	74	3	2 - 5	5 - 21	17 - 101*
20 Oct 22	75	73	2	1 - 3	6 - 11	15 - 114*
21 Oct 22	53	46	2	1 - 2	5 - 11	13 - 67
22 Oct 22	35	30	1	1	2 - 12	9 - 61
23 Oct 22	35	29	1	1 - 2	3 - 12	9 - 58
24 Oct 22	45	38	1	1 - 2	2 - 15	3 - 67
25 Oct 22	59	49	1	1 - 2	4 - 15	12 - 84
26 Oct 22	53	41	1	1	3 - 12	5 - 52
27 Oct 22	33	23	1	1	2 - 11	1 - 45
28 Oct 22	45	33	1	1	3 - 16	0 - 93
29 Oct 22	53	40	1	1 - 2	5 - 13	0 - 79
30 Oct 22	56	45	2	1 - 2	3 - 17	10 - 82
31 Oct 22	73	55	2	1 - 3	4 - 18	10 - 80
Range	19 - 83	11 - 74	1 - 4	1 - 6	1 - 24	0 - 116*
Number of times exceeded standard	0	0	0	0	0	2
Total Day	31	31	31	31	31	31
Monitoring Hour	744	732	739	739	740	740
Ambient Air Quality Standard	300	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<sub>2</sub> : Sulfur Dioxide

5) NO<sub>2</sub> : 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 : October

MONITORING STATION : Ban Don Mod Tanol

YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Oct 22	25.3	33.3	28.8	54	99	79	1,005	1,009	1,007	0.0
2 Oct 22	25.3	33.9	29.0	51	99	81	1,005	1,010	1,008	1.8
3 Oct 22	25.3	28.8	25.4	90	99	98	1,006	1,011	1,009	60.2
4 Oct 22	23.6	34.8	27.8	47	99	83	1,008	1,012	1,010	2.8
5 Oct 22	24.6	30.4	26.1	75	99	97	1,008	1,013	1,011	4.6
6 Oct 22	23.8	31.7	26.0	67	99	95	1,009	1,013	1,011	3.0
7 Oct 22	23.6	34.6	27.2	48	99	86	1,008	1,013	1,011	7.2
8 Oct 22	23.4	30.6	26.4	72	99	95	1,008	1,013	1,011	1.8
9 Oct 22	23.5	30.9	25.4	75	99	98	1,010	1,014	1,012	21.2
10 Oct 22	22.5	31.2	26.0	63	99	92	1,010	1,015	1,012	41.6
11 Oct 22	22.3	28.6	24.9	77	99	96	1,010	1,016	1,013	21.2
12 Oct 22	23.2	32.1	26.7	57	99	90	1,009	1,014	1,012	14.8
13 Oct 22	23.7	34.7	28.1	42	99	80	1,008	1,015	1,010	4.2
14 Oct 22	24.3	34.5	28.5	43	99	77	1,007	1,011	1,009	1.0
15 Oct 22	23.1	32.9	26.1	37	99	81	1,007	1,012	1,009	0.4
16 Oct 22	21.3	23.6	22.5	83	99	98	1,011	1,015	1,013	0.2
17 Oct 22	22.1	32.7	26.0	39	99	78	1,008	1,015	1,012	0.4
18 Oct 22	21.9	33.4	26.8	38	99	75	1,008	1,013	1,010	0.0
19 Oct 22	21.9	33.5	26.8	36	99	73	1,008	1,012	1,010	0.2
20 Oct 22	22.4	33.1	27.5	42	99	72	1,009	1,013	1,011	0.0
21 Oct 22	24.3	28.8	26.1	68	99	88	1,011	1,014	1,012	0.0
22 Oct 22	23.2	31.7	25.8	60	99	94	1,010	1,015	1,013	0.2
23 Oct 22	24.4	32.3	26.3	59	99	94	1,010	1,014	1,012	0.6
24 Oct 22	23.4	34.1	27.1	53	99	90	1,009	1,013	1,011	0.2
25 Oct 22	24.2	34.2	28.3	44	99	80	1,009	1,013	1,011	0.2
26 Oct 22	24.5	33.6	28.3	51	99	83	1,008	1,013	1,010	0.2
27 Oct 22	23.5	32.9	27.2	57	99	92	1,008	1,013	1,010	0.2
28 Oct 22	24.7	32.5	28.2	56	99	83	1,007	1,011	1,009	0.2
29 Oct 22	23.6	32.2	27.4	47	99	78	1,008	1,012	1,010	0.0
30 Oct 22	22.3	34.0	27.6	41	99	75	1,007	1,012	1,010	0.0
31 Oct 22	23.6	33.5	27.4	42	99	79	1,009	1,013	1,011	0.0
Total	21.3	34.8	26.8	36	99	86	1,005	1,016	1,011	188.4
Day	31		31		31		31		31	
Hours	744		744		744		744		744	

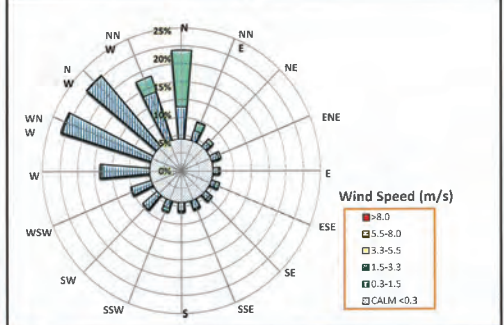
Remarks :- P = Power Fail, F = Equipment Fail, NA = Data not Available



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co., Ltd.

Date/Month/Year : 1-31/October/2022

STATION : Ban Don Mod Tanol



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	5.18%	10.08%	0.00%	0.00%	15.86%
NNE	1.88%	1.48%	0.13%	0.00%	3.49%
NE	1.08%	0.67%	0.00%	0.00%	1.75%
ENE	1.34%	0.40%	0.00%	0.00%	1.75%
E	0.94%	0.27%	0.00%	0.00%	1.21%
ESE	0.81%	0.67%	0.00%	0.00%	1.48%
SE	1.08%	0.40%	0.00%	0.00%	1.48%
SSE	1.48%	0.13%	0.00%	0.00%	1.61%
S	1.48%	0.13%	0.00%	0.00%	1.61%
SSW	1.34%	0.67%	0.00%	0.00%	2.02%
SW	3.36%	0.00%	0.00%	0.00%	3.36%
WSW	3.76%	0.13%	0.00%	0.00%	3.90%
W	8.60%	0.40%	0.00%	0.00%	9.01%
WNW	16.80%	0.27%	0.00%	0.00%	17.07%
NW	16.53%	0.13%	0.00%	0.00%	16.67%
NNW	9.14%	2.96%	0.00%	0.00%	12.10%
Total	75.40%	18.82%	0.13%	0.00%	94.35%

No. of Monitored Hours	744	Hours	No. of Calm	42	Hours
No. of Monitored Days	31	Days	Calm (%)	5.65%	
Missing Data	0	Hours	Average Wind Speed	1.01	m/s
No. of Valid Data	744	Hours	Maximum Wind Speed	3.50	m/s
Wind Rose by : Air Quality and Noise Section				2020/05	
				Prevailing Wind Direction	
				WNW	

สถานบ้านบางกะโด  
(สถานที่ตรวจวัด : วัดบางกะโด)

Equipment Status of Ban Don Mod Tanol Monitoring Station "October 2022"					
No.	Site	Analyzer	Brand	Model	Description
1	บ้านบางกะโด (วัดบางกะโด)	SO <sub>2</sub>	Thermo Scientific	4342SCA	Asset No. 20511164
		NO <sub>2</sub>	Thermo Scientific	42-BA5DOCA	20511166
		O <sub>3</sub>	Thermo Scientific	6942NCA	20511168
		DUST (TSP)	Thermo Scientific	5014U5006	20511172
		DUST (PM - 10)	Thermo Scientific	5014U5006	20511170
		ZERO AIR	Thermo Scientific	1160-BK2N	20511174
		CALIBRATOR	Thermo Scientific	1464B68FCA	20511176
		DATA LOGGER	ADVANTECH	IPC-50	601102531,3,4
		Switch Hub 16 port	TP-LINK	TL-SF1016	-
		UPS	Power Matec	PR-5000	-
		Display LCD 20"	hp	P201	60110253,2
		Keyboard	Logitech	K220	-
		Mouse	Logitech	M150	-
		Standard Gas	Argas	-	LL111345
		WIND SPEED	LASTEM	DNA 507/DNA 007	-
		WIND DIRECTION	LASTEM	DNA 555/DNA 017	-
		AIR TEMPERATURE	LASTEM	DNA 875	-
		RELATIVE HUMIDITY	LASTEM	DNA 875	-
		BAROMETRIC PRESSURE	LASTEM	DOA 208	-
		PAIN GAUGE	LASTEM	DOA 030	-



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co., Ltd.

MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT

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

MONTH : October  
YEAR : 2022

Date	Concentration				
	TSP (µg/m³)	PM-10 (µg/m³)	SO <sub>2</sub> (ppb)	NO <sub>2</sub> (ppb)	O <sub>3</sub> (ppb)
	24-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Oct 22	32	16	3	2 - 4	3 - 7
2 Oct 22	35	14	2	2 - 3	2 - 7
3 Oct 22	30	13	2	2 - 3	2 - 5
4 Oct 22	31	14	2	2	2 - 11
5 Oct 22	38	21	2	2	3 - 10
6 Oct 22	43	21	2	2	4 - 10
7 Oct 22	39	22	2	2	4 - 10
8 Oct 22	41	23	3	2 - 4	2 - 11
9 Oct 22	38	21	2	2 - 3	3 - 9
10 Oct 22	31	15	2	2 - 3	3 - 15
11 Oct 22	30	11	3	2 - 3	3 - 8
12 Oct 22	47	27	2	2 - 3	4 - 25
13 Oct 22	59	43	3	2 - 4	3 - 22
14 Oct 22	65	45	3	2 - 5	3 - 25
15 Oct 22	64	48	3	2 - 6	3 - 15
16 Oct 22	39	22	3	2 - 3	3 - 7
17 Oct 22	60	44	3	2 - 5	4 - 25
18 Oct 22	83	65	4	3 - 5	4 - 24
19 Oct 22	91	77	4	3 - 5	5 - 16
20 Oct 22	94	76	4	3 - 5	5 - 11
21 Oct 22	63	46	3	3 - 5	6 - 14
22 Oct 22	47	28	3	2 - 4	3 - 15
23 Oct 22	48	33	2	2 - 3	3 - 17
24 Oct 22	58	39	2	2 - 3	4 - 17
25 Oct 22	69	53	3	2 - 4	4 - 18
26 Oct 22	65	49	3	2 - 3	3 - 22
27 Oct 22	N/A	N/A	3	2 - 3	4 - 16
28 Oct 22	51	34	3	2 - 3	3 - 20
29 Oct 22	63	42	3	3 - 4	5 - 14
30 Oct 22	69	51	3	3 - 4	4 - 17
31 Oct 22	81	65	3	3 - 4	4 - 23
Range	30 - 94	11 - 78	2 - 4	2 - 6	2 - 25
Number of times exceeded standard	0	0	0	0	0
Total / Day	30	30	31	31	31
Monitoring Hour	720	720	709	709	707
Ambient Air Quality Standard	350	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) SO<sub>2</sub> : Sulfur Dioxide  
5) NO<sub>2</sub> : Nitrogen Dioxide  
6) O<sub>3</sub> : Ozone  
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.  
MONITORING STATION : Wat Bang Gado

Month : October  
YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	
1 Oct 22	25.8	32.6	28.9	60	100	82	1.005	1.009	1.007	0.4
2 Oct 22	25.3	33.4	28.9	57	100	87	1.005	1.011	1.008	0.2
3 Oct 22	24.3	28.7	26.0	99	100	100	1.007	1.012	1.009	28.6
4 Oct 22	24.1	32.2	27.1	59	100	93	1.008	1.012	1.011	25.0
5 Oct 22	24.6	29.3	25.9	99	100	100	1.009	1.013	1.011	11.6
6 Oct 22	24.1	30.6	26.0	84	100	99	1.009	1.013	1.011	2.0
7 Oct 22	24.1	30.9	26.5	70	100	96	1.008	1.013	1.011	1.4
8 Oct 22	23.9	28.9	26.1	98	100	100	1.008	1.014	1.012	5.0
9 Oct 22	23.4	29.1	25.1	99	100	100	1.010	1.014	1.012	33.8
10 Oct 22	23.2	29.8	25.8	92	100	99	1.010	1.015	1.013	45.2
11 Oct 22	22.9	28.1	25.1	99	100	100	1.010	1.016	1.013	42.0
12 Oct 22	23.4	31.1	27.2	74	100	95	1.009	1.014	1.012	0.0
13 Oct 22	24.1	32.2	28.0	54	100	86	1.008	1.013	1.011	0.0
14 Oct 22	24.8	32.4	28.3	54	100	83	1.006	1.011	1.009	0.0
15 Oct 22	22.6	30.1	25.8	50	100	89	1.008	1.012	1.010	0.0
16 Oct 22	21.2	23.5	22.4	99	100	100	1.011	1.015	1.013	1.2
17 Oct 22	22.0	30.9	25.8	48	100	84	1.008	1.014	1.012	0.0
18 Oct 22	21.9	31.3	26.4	49	100	80	1.008	1.013	1.010	0.0
19 Oct 22	21.8	31.5	26.4	44	100	78	1.008	1.012	1.010	0.0
20 Oct 22	22.5	31.5	27.0	50	100	81	1.009	1.013	1.011	0.0
21 Oct 22	24.2	27.9	26.1	94	100	99	1.011	1.015	1.013	0.4
22 Oct 22	23.7	30.9	26.1	71	100	97	1.011	1.015	1.013	17.0
23 Oct 22	24.7	31.0	26.6	81	100	99	1.010	1.015	1.013	5.2
24 Oct 22	24.0	33.0	27.6	66	100	94	1.009	1.014	1.011	0.0
25 Oct 22	24.7	33.9	28.7	51	100	84	1.009	1.013	1.011	0.0
26 Oct 22	25.1	31.9	28.3	62	100	89	1.008	1.013	1.011	0.0
27 Oct 22	23.2	30.9	27.3	73	100	96	1.007	1.014	1.010	38.0
28 Oct 22	25.4	31.0	28.1	69	100	89	1.007	1.011	1.010	0.0
29 Oct 22	23.7	30.8	27.2	57	100	83	1.008	1.013	1.010	0.0
30 Oct 22	22.7	31.8	27.2	52	100	82	1.007	1.012	1.010	0.0
31 Oct 22	23.5	31.6	27.1	52	100	84	1.008	1.013	1.011	0.0
Total	21.2	33.9	26.7	44	100	91	1.005	1.016	1.011	237.0
Day	31	31	31	31	31	31	31	31	31	31
Hours	743	743	743	743	743	743	743	743	743	743

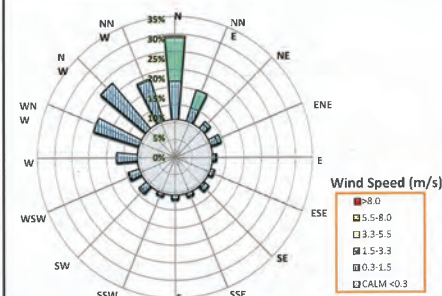
Remarks :- P = Power Fail, F = Equipment Fail, N/A = Data not Available



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co., Ltd.

Date/Month/Year : 1-31/October/2022

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	9.65%	11.04%	0.40%	0.00%	0.00%	21.13%		
NNE	3.63%	4.58%	0.13%	0.00%	0.00%	8.34%		
NE	1.40%	0.81%	0.00%	0.00%	0.00%	2.29%		
ENE	1.68%	0.94%	0.00%	0.00%	0.00%	2.63%		
E	0.81%	0.27%	0.00%	0.00%	0.00%	1.08%		
ESE	0.94%	0.13%	0.00%	0.00%	0.00%	1.08%		
SE	0.54%	1.08%	0.13%	0.00%	0.00%	1.75%		
SSE	0.81%	0.13%	0.00%	0.00%	0.00%	0.94%		
S	0.94%	0.13%	0.00%	0.00%	0.00%	1.08%		
SSW	0.67%	0.13%	0.00%	0.00%	0.00%	0.81%		
SW	1.88%	0.54%	0.00%	0.00%	0.00%	2.42%		
WSW	2.69%	0.27%	0.00%	0.00%	0.00%	2.96%		
W	5.25%	0.00%	0.00%	0.00%	0.00%	5.25%		
WNW	12.11%	0.00%	0.00%	0.00%	0.00%	12.11%		
NW	14.94%	0.13%	0.00%	0.00%	0.00%	15.07%		
NNW	10.90%	0.40%	0.00%	0.00%	0.00%	11.31%		
69.18%		20.59%	0.67%	0.00%	0.00%	90.44%		
No. of Monitored Hours	744	Hours	No. of Calm	71	Hours			
No. of Monitored Days	51	Days	Calm (%)	9.56%				
Missing Data	1	Hours	Average Wind Speed	1.01	m/s			
No. of Valid Data	743	Hours	Maximum Wind Speed	3.90	m/s			
Wind Rose by Air Quality and Noise Section : 2020/05					Prevailing Wind Direction			N

Equipment Status of Wat Gang Gado Monitoring Station "October 2022"									
No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No	Description	
2	วัดบางกาด (BD)	SO <sub>2</sub>	Thermo Scientific	43-B254B	131575998	Normal	2021097		
		NO <sub>2</sub>	Thermo Scientific	424B2M504B	131575995	Normal	2021099		
		O <sub>3</sub>	Thermo Scientific	49-B204B	131575800	Normal	20210101		
		DUST (TSP)	Thermo Scientific	501d (n/26-n/4-2)	CM13211004	Normal	2021095		
		DUST (PM - 10)	Thermo Scientific	501d (n/26-n/4-1)	CM13211003	Normal	2021093		
		ZERO AIR	Thermo Scientific	1100 B-HQC	1315758003	Normal	20210102.2		
		CALIBRATOR	Thermo Scientific	1441-BB564B	1315758002	Normal	20210102.4		
		DATA LOGGER (mbox)	ADVANTECH	IPC-510	KMA1478929	Normal	601102540.1.3.4		
		Ethernet Switch	TP-LINK	TL-SF1016	12886705098	Normal	601102542		
		UPS	Power Matec	TH-3000	13 K01 00077	Normal	601102542		
		Display LCD 20"	HP	P201	6CM9020G2C	Normal	601102542		
		Keyboard Wireless	Logitech	K220	13145C10SM48	Normal	601102542		
		Mouse Wireless	Logitech	M150	13135C0XG098	Normal	601102542		
		Standard Gas	Airgas	-	LL154936	Normal	601102542		
		WIND SPEED	LASTEM	DNA 827	BZ 1506563	Normal	601102542		
		WIND DIRECTION	LASTEM	DNA 827	BZ 1506563	Normal	601102542		
		AIR TEMPERATURE	LASTEM	DMA 875	CH 1506498	Normal	601102542		
		RELATIVE HUMIDITY	LASTEM	DMA 875	CH 1506498	Normal	601102542		
		BAROMETRIC PRESSURE	LASTEM	DOA 208	CH 1506498	Normal	601102542		
		RAIN GAUGE	LASTEM	DQA 050	CH 1506498	Normal	601102542		





บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co., Ltd.

MONTHLY REPORT

AMBIENT AIR QUALITY MONITORING RESULT

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

MONTH : October  
YEAR : 2022

Date	Concentration					
	TSP (µg/m <sup>3</sup> )	PM-10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (ppb)	NO <sub>2</sub> (ppb)	O <sub>3</sub> (ppb)	
	24-Hr. Avg.	24-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Oct 22	N/A	15	2	2 - 4	1 - 9	2 - 35
2 Oct 22	N/A	17	2	2 - 6	1 - 7	5 - 50
3 Oct 22	N/A	11	2	2	1 - 9	8 - 33
4 Oct 22	N/A	14	2	1 - 3	1 - 12	2 - 39
5 Oct 22	N/A	23	2	1 - 3	4 - 16	1 - 35
6 Oct 22	N/A	18	2	1 - 3	2 - 11	2 - 46
7 Oct 22	N/A	22	3	2 - 3	2 - 10	3 - 64
8 Oct 22	N/A	25	2	2 - 3	4 - 17	2 - 41
9 Oct 22	N/A	20	2	2 - 3	2 - 9	2 - 32
10 Oct 22	N/A	13	2	2 - 3	2 - 12	7 - 54
11 Oct 22	N/A	12	2	2 - 4	1 - 8	14 - 47
12 Oct 22	N/A	27	3	2 - 3	4 - 25	9 - 72
13 Oct 22	N/A	36	3	2 - 4	3 - 18	10 - 72
14 Oct 22	N/A	45	3	2 - 5	4 - 23	9 - 81
15 Oct 22	N/A	46	3	2 - 5	3 - 16	5 - 80
16 Oct 22	N/A	24	3	2 - 4	2 - 10	33 - 60
17 Oct 22	N/A	65	3	2 - 4	3 - 44	7 - 91
18 Oct 22	N/A	77	4	2 - 6	7 - 27	22 - 191*
19 Oct 22	N/A	86	4	2 - 5	5 - 25	17 - 120*
20 Oct 22	N/A	89	4	3 - 5	5 - 15	23 - 108*
21 Oct 22	N/A	61	3	2 - 4	3 - 14	17 - 62
22 Oct 22	N/A	31	3	2 - 4	2 - 17	20 - 55
23 Oct 22	N/A	33	3	2 - 4	3 - 28	6 - 66
24 Oct 22	N/A	37	3	2 - 3	2 - 28	6 - 76
25 Oct 22	N/A	50	3	2 - 4	3 - 18	8 - 74
26 Oct 22	57	47	3	2 - 3	2 - 22	4 - 48
27 Oct 22	55	28	3	2 - 3	3 - 28	3 - 47
28 Oct 22	54	41	2	2 - 4	3 - 18	4 - 53
29 Oct 22	84	61	3	2 - 4	5 - 20	4 - 58
30 Oct 22	88	67	3	2 - 4	4 - 18	15 - 74
31 Oct 22	81	69	3	2 - 3	3 - 21	15 - 70
Range	35 - 88	11 - 89	2 - 4	1 - 6	1 - 44	1 - 120*
Number of times exceeded standard	0	0	0	0	0	3
Total Day	6	31	31	31	31	31
Monitoring Hour	144	741	708	708	706	708
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<sub>2</sub> : Sulfur Dioxide  
5) NO<sub>2</sub> : 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 : October

MONITORING STATION : Ban Klong Klai

YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Oct 22	26.0	33.4	29.2	54	99	74	1,004	1,008	1,005	0.0
2 Oct 22	25.6	34.8	29.5	46	99	77	1,003	1,009	1,007	0.0
3 Oct 22	23.5	29.0	25.4	94	100	99	1,005	1,010	1,008	55.6
4 Oct 22	23.9	33.4	27.4	51	100	88	1,007	1,011	1,009	6.6
5 Oct 22	24.5	30.7	26.2	77	100	97	1,007	1,012	1,010	16.6
6 Oct 22	24.2	31.0	26.3	72	100	95	1,007	1,012	1,010	1.0
7 Oct 22	23.9	33.5	27.2	54	100	88	1,006	1,012	1,010	2.6
8 Oct 22	23.6	30.6	25.9	74	100	97	1,007	1,012	1,010	6.8
9 Oct 22	23.9	29.6	25.5	85	100	98	1,009	1,013	1,011	48.8
10 Oct 22	22.4	30.5	25.7	68	100	95	1,009	1,014	1,011	53.2
11 Oct 22	22.1	27.5	24.5	91	100	99	1,009	1,015	1,012	51.2
12 Oct 22	23.8	32.0	27.4	60	100	86	1,008	1,013	1,011	0.0
13 Oct 22	24.3	32.6	28.1	49	99	81	1,006	1,011	1,009	0.0
14 Oct 22	24.8	33.5	28.5	48	99	78	1,005	1,010	1,008	0.0
15 Oct 22	22.9	30.8	26.1	50	99	82	1,006	1,010	1,008	0.0
16 Oct 22	21.1	23.6	22.5	90	99	98	1,009	1,013	1,011	1.0
17 Oct 22	22.3	31.2	26.2	42	99	76	1,007	1,013	1,010	0.0
18 Oct 22	22.6	32.3	26.9	40	99	72	1,006	1,011	1,009	0.0
19 Oct 22	22.8	32.2	27.0	39	99	70	1,007	1,011	1,009	0.0
20 Oct 22	23.5	31.4	27.3	47	99	72	1,007	1,012	1,010	0.0
21 Oct 22	24.2	28.1	25.9	71	99	88	1,009	1,013	1,011	1.4
22 Oct 22	23.4	30.5	26.3	68	100	92	1,009	1,014	1,012	7.6
23 Oct 22	24.1	29.5	26.4	74	100	96	1,009	1,014	1,011	0.6
24 Oct 22	24.0	34.0	27.8	53	99	89	1,008	1,012	1,010	0.4
25 Oct 22	25.0	34.2	29.0	66	99	76	1,007	1,012	1,010	0.0
26 Oct 22	25.7	32.6	28.6	53	99	81	1,007	1,012	1,009	0.0
27 Oct 22	24.2	31.1	27.0	62	100	92	1,006	1,012	1,009	9.2
28 Oct 22	25.2	31.5	28.1	59	100	84	1,006	1,010	1,008	0.2
29 Oct 22	24.2	31.6	27.6	49	99	74	1,007	1,011	1,009	0.0
30 Oct 22	23.3	32.8	27.7	45	99	72	1,006	1,011	1,009	0.0
31 Oct 22	24.2	32.0	27.7	45	99	73	1,007	1,012	1,009	0.0
Total	21.1	34.8	26.9	59	100	85	1,005	1,015	1,010	262.8
Day	31			31			31			31
Min	21.1			45			72			0.0
Max	34.8			100			1,015			55.6
Avg	26.9			74			1,010			16.6

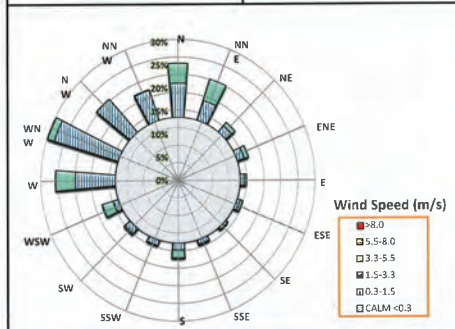
Remarks : P = Power Fail, F = Equipment Fail, N/A = Data not Available



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co., Ltd.

Date/Month/Year : 1-31/October/2022

STATION : Ban Klong Klai



Wind Speed (m/s)						
Wind Sector	0.3-1.5	1.5-3.0	3.0-5.0	5.0-8.0	>8.0	All
N	7.41%	4.31%	0.00%	0.00%	0.00%	11.73%
NNE	4.45%	4.85%	0.00%	0.00%	0.00%	9.30%
NE	1.75%	0.94%	0.00%	0.00%	0.00%	2.70%
NNE	1.62%	0.94%	0.00%	0.00%	0.00%	2.56%
E	0.94%	0.40%	0.00%	0.00%	0.00%	1.35%
ESE	0.67%	0.54%	0.00%	0.00%	0.00%	1.21%
SE	0.54%	0.00%	0.00%	0.00%	0.00%	0.54%
SSE	0.94%	0.27%	0.00%	0.00%	0.00%	1.21%
S	1.48%	1.75%	0.13%	0.00%	0.00%	3.37%
SSW	1.21%	0.13%	0.00%	0.00%	0.00%	1.35%
SW	1.48%	0.27%	0.00%	0.00%	0.00%	1.75%
WSW	1.21%	2.43%	0.00%	0.00%	0.00%	3.64%
W	8.76%	4.31%	0.00%	0.00%	0.00%	13.07%
WNW	14.69%	1.68%	0.00%	0.00%	0.00%	16.37%
NW	9.43%	0.00%	0.00%	0.00%	0.00%	9.43%
NNW	6.87%	0.13%	0.00%	0.00%	0.00%	7.01%
Total	63.48%	22.78%	0.13%	0.00%	0.00%	86.39%

No. of Monitored Hours	744	Hours	No. of Calm	101	Hours
No. of Monitored Days	31	Days	Calm (%)	13.61%	
Missing Data	2	Hours	Average Wind Speed	1.02	m/s
No. of Valid Data	742	Hours	Maximum Wind Speed	5.60	m/s
Wind rose by : Air Quality and Noise Section : 2020/05			Prevailing Wind Direction		
			WNW		



Equipment Status of Ban Klong Klao Monitoring Station "October 2022"						
No.	Site	Analyzer	Brand	Model	S/N	Status
3	บ้านเขา (บ้านเขาสองพี่น้อง)	SO <sub>2</sub>	Thermo Scientific	43i-BZSCA	1162850017	Normal
		NO <sub>2</sub>	Thermo Scientific	42i-BZMSDCA	20511163	Normal
		O <sub>3</sub>	Thermo Scientific	49i-BZPCA	20511167	Normal
		DUST (TSP)	Thermo Scientific	5014i/5050	CM16461001	Normal
		DUST (PM <sub>10</sub> )	Thermo Scientific	5014i/5050	CM16471016	Normal
		ZERO AIR	Thermo Scientific	1160-BHP2N	1162850021	Normal
		CALIBRATOR	Thermo Scientific	146i-BB6PCA	1162850023	Normal
		DATA LOGGER	ADVANTECH	PCI-50	KM4127893A	Normal
		DATA LOGGER	HP	HP Compaq	563026QWW2	Normal
		Switch Hub 16 port	D-LINK	DES-101160	9905095.1	Normal
		UPS	Power Matic	TR-3000	13 KEI 00387	Normal
		CPU	hp	d530 SFF	SGH4030WY	Normal
		Display LCD 20"	HP	P201	6CM3151954	Normal
		Keyboard Wireless	Logitech	K220	13145C103FHB	Normal
		Mouse Wireless	Logitech	M150	-	Normal
		Standard Gas	Argas	-	LI156448	Normal
		WIND SPEED	LASTEM	DNA 507/DNA 007	-	Normal
		WIND DIRECTION	LASTEM	DNA 516/DNA 017	-	Normal
		AIR TEMPERATURE	LASTEM	DMA 875	CH 1596488	Normal
		RELATIVE HUMIDITY	LASTEM	DMA 875	CH 1596488	Normal
		BAROMETRIC PRESSURE	LASTEM	DQA 208	RH04017	Normal
		RAIN GAUGE	LASTEM	DQA 030	-	Normal

สถานีบ้านเขาเหนือ  
(สถานที่ตรวจวัด : บ้านเขาเหนือ)



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co., Ltd.

MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT  
PROJECT : Ratchaburi Electricity Generating Co., Ltd.  
MONITORING STATION : Ban Chao Nua  
MONTH : October  
YEAR : 2022

Date	Concentration					
	TSP (µg/m <sup>3</sup> )	PM-10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (ppb)		NO <sub>2</sub> (ppb)	O <sub>3</sub> (ppb)
	24-Hr. Avg.	24-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	14-Hr. Avg.	1-Hr. Avg.
1 Oct 22	20	11	2	1 - 2	1 - 7	5 - 35
2 Oct 22	18	9	2	1 - 8	0 - 5	8 - 42
3 Oct 22	14	7	1	1 - 2	0 - 4	11 - 27
4 Oct 22	16	7	2	1 - 2	0 - 9	6 - 41
5 Oct 22	21	10	1	1 - 2	1 - 8	4 - 27
6 Oct 22	29	13	1	1 - 2	2 - 8	3 - 43
7 Oct 22	26	12	2	1 - 3	1 - 7	6 - 56
8 Oct 22	27	13	2	1 - 2	1 - 7	5 - 35
9 Oct 22	23	11	1	1 - 2	1 - 5	6 - 27
10 Oct 22	18	7	2	1 - 2	1 - 6	8 - 52
11 Oct 22	14	8	2	1 - 3	1 - 6	11 - 42
12 Oct 22	29	17	2	1 - 3	1 - 10	11 - 65
13 Oct 22	37	21	2	1 - 3	1 - 8	9 - 67
14 Oct 22	46	28	2	2 - 3	1 - 9	14 - 72
15 Oct 22	45	27	2	1 - 4	2 - 8	6 - 66
16 Oct 22	25	16	2	1 - 2	2 - 5	32 - 55
17 Oct 22	42	26	2	1 - 3	2 - 9	22 - 81
18 Oct 22	66	39	2	2 - 4	2 - 10	21 - 99
19 Oct 22	76	48	3	2 - 4	3 - 13	20 - 108*
20 Oct 22	80	51	3	2 - 4	3 - 9	25 - 111*
21 Oct 22	54	32	2	2 - 3	4 - 9	18 - 67
22 Oct 22	34	19	2	1 - 4	1 - 16	21 - 63
23 Oct 22	35	23	2	1 - 2	2 - 10	18 - 63
24 Oct 22	44	28	2	2 - 3	1 - 14	16 - 73
25 Oct 22	53	36	2	2 - 3	1 - 10	18 - 83
26 Oct 22	45	30	2	2 - 3	1 - 13	14 - 51
27 Oct 22	51	18	2	1 - 3	1 - 10	10 - 50
28 Oct 22	34	22	2	1 - 2	2 - 13	9 - 60
29 Oct 22	46	29	2	2 - 3	3 - 11	4 - 76
30 Oct 22	51	38	2	2 - 3	2 - 8	21 - 80
31 Oct 22	60	45	2	2 - 3	2 - 10	20 - 78
Range	14 - 80	7 - 51	1 - 3	1 - 8	0 - 14	3 - 111*
Number of times exceeded standard	0	0	0	0	0	2
Total Day	31	31	31	31	31	31
Monitoring Hour	743	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  
4) SO<sub>2</sub> = Sulfur Dioxide  
5) NO<sub>2</sub> = Nitrogen Dioxide  
6) N/A = Data not Available  
7) \* = Exceeding air quality standard  
8) - = Not Measurement



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co., Ltd.

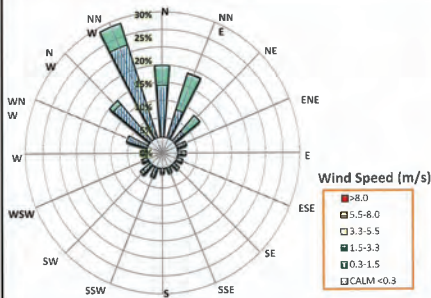
MONTHLY REPORT  
METEOROLOGY MONITORING RESULT  
PROJECT : Ratchaburi Electricity Generating Co., Ltd.  
MONITORING STATION : Ban Chao Nua  
Month : October  
YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Oct 22	25.3	33.0	29.1	58	99	77	1.002	1.005	1.004	0.0
2 Oct 22	25.5	33.1	28.9	55	99	82	1.002	1.007	1.005	0.0
3 Oct 22	24.0	28.4	25.7	92	99	98	1.003	1.009	1.006	62.6
4 Oct 22	24.2	33.0	27.3	54	99	88	1.005	1.009	1.007	2.4
5 Oct 22	24.3	29.0	26.1	88	99	97	1.006	1.010	1.008	17.6
6 Oct 22	24.4	31.4	26.2	72	99	96	1.006	1.010	1.008	3.2
7 Oct 22	24.1	32.7	27.0	56	99	89	1.005	1.010	1.008	1.2
8 Oct 22	23.9	29.6	26.3	81	99	96	1.005	1.011	1.009	0.6
9 Oct 22	24.2	29.2	25.4	90	99	98	1.007	1.011	1.009	30.8
10 Oct 22	22.9	30.3	26.0	71	99	95	1.007	1.012	1.010	72.2
11 Oct 22	22.9	27.5	25.0	67	100	97	1.008	1.013	1.010	50.0
12 Oct 22	23.8	31.2	27.2	67	99	89	1.006	1.011	1.009	0.0
13 Oct 22	24.3	32.1	27.7	52	99	83	1.005	1.010	1.008	0.0
14 Oct 22	25.2	32.3	28.0	51	99	82	1.004	1.008	1.006	0.0
15 Oct 22	22.7	30.4	25.7	47	99	84	1.005	1.009	1.006	0.0
16 Oct 22	21.2	23.6	22.5	88	99	96	1.008	1.011	1.009	0.4
17 Oct 22	22.5	30.4	25.7	45	99	80	1.005	1.011	1.009	0.2
18 Oct 22	22.4	31.5	26.3	44	99	78	1.005	1.010	1.007	0.0
19 Oct 22	22.8	31.4	26.5	43	99	76	1.005	1.009	1.007	0.0
20 Oct 22	23.0	31.1	26.8	51	99	77	1.006	1.010	1.008	0.0
21 Oct 22	24.6	27.6	25.9	79	99	92	1.008	1.012	1.010	0.2
22 Oct 22	23.5	31.0	26.0	66	99	95	1.008	1.012	1.010	8.2
23 Oct 22	24.7	30.8	26.5	75	99	95	1.007	1.012	1.010	28.4
24 Oct 22	23.8	33.1	27.3	61	99	92	1.006	1.011	1.008	1.0
25 Oct 22	25.1	33.3	28.5	49	99	82	1.006	1.010	1.008	0.0
26 Oct 22	25.4	31.9	28.1	60	99	86	1.005	1.010	1.008	0.0
27 Oct 22	23.4	30.7	27.1	70	99	94	1.005	1.011	1.007	4.8
28 Oct 22	25.5	30.8	27.9	66	99	87	1.004	1.009	1.007	0.0
29 Oct 22	24.0	30.5	27.1	56	99	80	1.005	1.010	1.007	0.0
30 Oct 22	23.3	31.8	27.2	50	99	79	1.005	1.009	1.007	0.0
31 Oct 22	24.1	31.5	27.2	51	99	81	1.005	1.010	1.008	0.0
Total	21.2	33.3	26.7	43	100	88	1.002	1.013	1.008	283.8
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/2022

STATION : Ban Chao Nua



Wind Sector	Wind Speed (mi/h)					
	15-20	20-25	25-30	30-35	35-40	>40
N	11.29%	4.30%	0.00%	0.00%	0.00%	15.59%
NNE	6.45%	8.20%	0.13%	0.00%	0.00%	14.78%
NE	2.69%	6.57%	0.00%	0.00%	0.00%	7.26%
ENE	1.48%	0.50%	0.13%	0.00%	0.00%	2.15%
E	0.81%	0.94%	0.00%	0.00%	0.00%	1.75%
ESE	1.21%	0.13%	0.00%	0.00%	0.00%	1.34%
SE	0.81%	0.67%	0.00%	0.00%	0.00%	1.48%
SSE	0.81%	0.40%	0.00%	0.00%	0.00%	1.21%
S	0.81%	0.27%	0.00%	0.00%	0.00%	1.08%
SSW	1.75%	0.40%	0.00%	0.00%	0.00%	2.15%
SW	2.15%	0.67%	0.00%	0.00%	0.00%	2.82%
WSW	1.08%	0.27%	0.00%	0.00%	0.00%	1.34%
W	1.08%	0.27%	0.00%	0.00%	0.00%	1.34%
WNW	4.70%	0.00%	0.00%	0.00%	0.00%	4.70%
NW	10.48%	1.08%	0.00%	0.00%	0.00%	11.56%
NNW	21.21%	9.84%	0.00%	0.00%	0.00%	26.08%
	21.21%	36.69%	0.00%	0.00%	0.00%	96.44%

No. of Monitored Hours	744	Hours	No. of Calm	25	Hours
No. of Monitored Days	31	Days	Calm (%)	3.36%	
Missing Data	0	Hours	Average Wind Speed	1.20	m/s
No. of Valid Data	744	Hours	Maximum Wind Speed	3.40	m/s
Wind Rose by : Air Quality and Noise Section		2020/05	Prevailing Wind Direction		NNW

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Equipment Status of Ban Chao Nua Monitoring Station "October 2022"							
No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No
4	ບ້ານໂຮງແຮມ (CN)	SO <sub>2</sub>	Thermo Scientific	41K-67248	1315757997	Normal	20210096
		CO <sub>2</sub>	Thermo Scientific	429-BK25048	1315757996	Normal	20210098
		O <sub>3</sub>	Thermo Scientific	491-BK248	1315757999	Normal	20210100
		DUST (TSP)	Thermo Scientific	CM13211006	CM13211006	Normal	20210094
		DUST (PM <sub>10</sub> )	Thermo Scientific	501H (mk26-004-3)	CM13211005	Normal	20210092
		ZERO AIR	Thermo Scientific	1160-BH2C	1315758010	Normal	20210102.1
		CALIBRATOR	Thermo Scientific	1646-BK38C48	1315758001	Normal	20210102.3
		DATA LOGGER/WIND	ADVANTECH	IPC 510	KMA1478933	Normal	60110252.0000.1.3.4
		DMA LOGGER License	Envirotech	Envirotech Ultimate	281230	Normal	-
		Switch Hub 16 port	TP-LINK	TL-SF1016	12866701720	Normal	-
		UPS	Power Matec	Tr-3000	13 K61 00082	Normal	-
		Display LCD 20"	HP	6CM3A1519JB	P201	Normal	60110252.2
		Keyboard Wireless	Logitech	K220	63AC5105H468	Normal	-
		Mouse Wireless	Logitech	M150	13135C2M0X108	Normal	-

Preventive maintenance schedule,

Plan and actual

แผนบำรุงรักษาสถาบันตำรวจติดคนภาพอาชญากรรมในประเทศไทย บริษัท โรงไฟฟ้า บริษัท ราชบุรีเพาเวอร์ จำกัด 2022

[illegible]



### Corrective maintenance work list

## Corrective maintenance work list

Project : Ratchaburi Power Co.,Ltd

Site No.:

Station : Donsai Sub-district

Month - Year : R.R.-2022

[illegible]

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

Remark :

## Consumable and spare part list

## List Code for Spare Part &amp; Consumable Part AAQM-APCL (October 2022)

[illegible]



## Calibration result

## Calibration Sheet

Project : Ratchaburi Power Plant

Page 01

Site No. : 5 Station : DONSAI

Date : 3 Oct 22

Start Time : 11:00

Analyzer	SO <sub>2</sub>	NO <sub>x</sub>	O <sub>3</sub>	Standard Gas	SO <sub>2</sub>	NO <sub>x</sub>	Remark
Manufacturer	ECOTECH	เครื่องวัด SO <sub>2</sub>	ECOTECH	Cylinder No.	D 636099		
Model	EC 9850B	รุ่น 9850B	EC 9810 B	Concentration	50.10	51.90	
Serial No.	05-1274	06-0001		Multi Gas Calibrator			
Range	0 - 500 ppb	0 - 500 ppb		Model : Sabco(4010)		Serial No. : -	

Phase	Set Point	Desire Value		Monitor Value		Drift		% Drift		Factor				
SO <sub>2</sub> Before Calibrate	Zero	0		3		-3		-0.6		Gain : 31.98				
	Span(Lo.)	80		-		-		-						
	Span(Mid.)	150		-		-		-						
	Span(Hi.)	400		444.7		-44.7		-11.2						
SO <sub>2</sub> After Calibrate	Zero	0		1		-1		-0.2		Gain : 28.35				
	Span(Lo.)	80		-		-		-						
	Span(Mid.)	150		-		-		-						
	Span(Hi.)	400		450		-50		-12.5						
NO <sub>x</sub> Before Calibrate		NO	NO <sub>2</sub>	NO <sub>x</sub>	NO	NO <sub>2</sub>	NO <sub>x</sub>	NO	NO <sub>2</sub>	NO <sub>x</sub>	Gain : 4.92			
	Zero	0	0	0	0.3	0.2	0.5	-0.3	-0.2	-0.5		-0.1	0.0	-0.1
	Span(Lo.)	80	0	80	-	-	-	-	-0.2	-		-	-	-
	Span(Mid.)	150	0	150	-	-	-	-	-	-		-	-	-
	Span(Hi.)	450	0	450	437.0	-2.0	435.0	13	2	15		2.9	0.4	3.3
NO <sub>x</sub> After Calibrate	Zero	0	0	0	1.1	0.5	1.5	-1.1	-0.3	-1.5	-0.2	-0.1	-0.3	Gain : 5.12
	Span(Lo.)	80	0	80	-	-	-	-	-	-	-	-	-	
	Span(Mid.)	150	0	150	-	-	-	-	-	-	-	-	-	
	Span(Hi.)	450	0	450	451.0	-1.0	450.0	-1	1	0.0	-0.2	0.2	0.0	
O <sub>3</sub> Before Calibrate	Zero	0		-3		3				0.6	Gain : 1.208			
	Span(Lo.)	80		-		-		-		-				
	Span(Mid.)	150		-		-		-		-				
	Span(Hi.)	400		457		-57		-14.3						
O <sub>3</sub> After Calibrate	Zero	0		0		0				0.0	Gain : 1.182			
	Span(Lo.)	80		-		-		-		-				
	Span(Mid.)	150		-		-		-		-				
	Span(Hi.)	400		450		-50		-12.5						
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 : Karmolpat

Finish Time : 12:00

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

Comment :

## Calibration Sheet

Page 02

Project : Ratchaburi Power Plant

Site No. : 5 Station : DONSAI

Date : 26 Oct 22

Start Time : 09:00

Analyzer	SO <sub>2</sub>	NO <sub>x</sub>	O <sub>3</sub>	Standard Gas	SO <sub>2</sub>	NO <sub>x</sub>	Remark
Manufacturer	ECOTECH	เครื่องวัด SO <sub>2</sub>	ECOTECH	Cylinder No.	D 636099		
Model	EC 9850B	รุ่น 9850B	EC 9810 B	Concentration	50.10	51.90	
Serial No.	05-1274	06-0001		Multi Gas Calibrator			
Range	0 - 500 ppb	0 - 500 ppb		Model : Sabco(4010)		Serial No. : -	

Phase	Set Point	Desire Value			Monitor Value			Drift			% Drift			Factor													
SO <sub>2</sub> Before Calibrate	Zero	0			2			-2			-0.4			Gain : 28.39													
	Span(Lo.)	80						-			-																
	Span(Mid.)	150						-			-																
	Span(Hi.)	450			450			0			0.0																
SO <sub>2</sub> After Calibrate	Zero	0			-			-			-			Gain : -													
	Span(Lo.)	80			-			-			-																
	Span(Mid.)	150			-			-			-																
	Span(Hi.)	450			-			-			-																
NO <sub>x</sub> Before Calibrate	Zero	0	NO <sub>2</sub>	NO <sub>x</sub>	NO	NO <sub>2</sub>	NO <sub>x</sub>	NO	NO <sub>2</sub>	NO <sub>x</sub>	NO	NO <sub>2</sub>	NO <sub>x</sub>	Gain : 5.407													
	Span(Lo.)	80	0	80	-	-	-	-	-	-	-	-	-														
	Span(Mid.)	150	0	151	-	-	-	-	-	-	-	-	-														
	Span(Hi.)	400	0	400	361.0	5.1	367.0	39	-5.1	33	9.8	-1.3	8.3														
NO <sub>x</sub> After Calibrate	Zero	0	0	0	1.4	1.7	3.1	-1.4	-1.7	-3.1	-0.3	-0.3	-0.6	Gain : 4.638													
	Span(Lo.)	80	1	81	-	-	-	-	-	-	-	-	-														
	Span(Mid.)	150	1	151	-	-	-	-	-	-	-	-	-														
	Span(Hi.)	450	0	450	451.0	0.0	451.0	-1	0	-1.0	-0.2	0.0	-0.2														
O <sub>3</sub> Before Calibrate	Zero	0			2			-2			-0.4			Gain : 1.182													
	Span(Lo.)	80			-			-			-																
	Span(Mid.)	150			-			-			-																
	Span(Hi.)	450			461			-11			-2.4																
O <sub>3</sub> After Calibrate	Zero	0			2			-2			-0.4			Gain : 1.150													
	Span(Lo.)	80			-			-			-																
	Span(Mid.)	150			-			-			-																
	Span(Hi.)	450			452			-2			-0.4																
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 : 10:30

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

Comment :

## Weekly report





บริษัท ราชบุรีเพาเวอร์ จำกัด  
Ratchaburi Power Co., Ltd.

รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง  
บริษัท ราชบุรีเพาเวอร์ จำกัด

ประจำเดือนพฤศจิกายน 2565

เสนอต่อ

บริษัท ราชบุรีเพาเวอร์ จำกัด

โดย

ฝ่ายสิ่งแวดล้อมโครงการ

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง  
บริษัท ราชบุรีเพาเวอร์ จำกัด  
ประจำเดือนพฤศจิกายน 2565

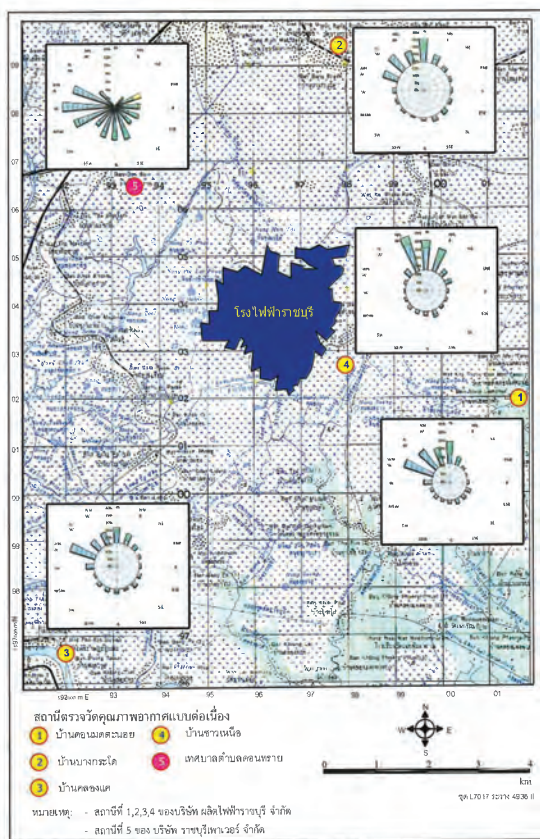
รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง  
บริษัท ราชบุรีเพาเวอร์ จำกัด  
เดือนพฤศจิกายน 2565

ผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง บริษัท ราชบุรีเพาเวอร์ จำกัด ประจำเดือนพฤศจิกายน 2565 จากสถานีตรวจวัดคุณภาพอากาศเทศบาลตำบลดอนทราย ผลการตรวจวัดดัชนีคุณภาพอากาศ พบว่า ผู้ละอองรวม ผู้ละอองขนาดเล็กไม่เกิน 10 ไมครอน ก๊าซซัลเฟอร์ไดออกไซด์ ก๊าซไนโตรเจนไดออกไซด์ และก๊าซโอโซน มีค่าอยู่ในเกณฑ์มาตรฐานคุณภาพอากาศในบรรยากาศโดยทั่วไป ตามประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ยกเว้นค่าผู้ละอองขนาดเล็กไม่เกิน 2.5 ไมครอน มีค่าเกินมาตรฐานฯ เป็นครั้งคราวดังนี้  
- ผู้ละอองขนาดเล็กไม่เกิน 2.5 ไมครอน ในวันที่ 2, 7 พฤศจิกายน 2565 มีค่า 54, 56  $\mu\text{g}/\text{m}^3$

สรุปผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง (พฤศจิกายน 2565)

สถานีตรวจวัด	ค่าเฉลี่ยในเวลา 24 ชั่วโมง			ค่าเฉลี่ยในเวลา 1 ชั่วโมง		
	( $\mu\text{g}/\text{m}^3$ )			(ppb)		
	TSP	PM-10	PM-2.5	SO <sub>2</sub>	SO <sub>x</sub>	NO <sub>x</sub>
เทศบาลตำบลดอนทราย	23 - 70	18 - 77	11 - 56*	0 - 5	0 - 7	4 - 45
มาตรฐาน	330	120	50	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) ฉบับที่ 36 (พ.ศ. 2553)



สถานีเทศบาลตำบลดอนทราย



MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd. MONTH : November  
MONITORING STATION : Donsai Sub-district YEAR : 2022

Date	Concentration (24-Hr Avg)				
	TSP (µg/m <sup>3</sup> )		PM-10 (µg/m <sup>3</sup> )		PM-2.5 (µg/m <sup>3</sup> )
	Micro balance	Hi volume	Micro balance	Hi volume	Micro balance
1 Nov 22	N/A		62		48
2 Nov 22	N/A		71		54*
3 Nov 22	N/A		62		47
4 Nov 22	N/A	70	57	N/A	40
5 Nov 22	N/A		68		50
6 Nov 22	N/A		69		49
7 Nov 22	N/A		77		56*
8 Nov 22	N/A		64		45
9 Nov 22	N/A		60		42
10 Nov 22	N/A	67	55	N/A	38
11 Nov 22	N/A		52		37
12 Nov 22	N/A		47		32
13 Nov 22	N/A		53		34
14 Nov 22	N/A		34		25
15 Nov 22	N/A		29		19
16 Nov 22	N/A	34	30	N/A	19
17 Nov 22	N/A		30		20
18 Nov 22	N/A		38		28
19 Nov 22	N/A		45		31
20 Nov 22	N/A		33		21
21 Nov 22	N/A		33		23
22 Nov 22	N/A	57	45	N/A	31
23 Nov 22	N/A		48		35
24 Nov 22	N/A		31		23
25 Nov 22	N/A		18		11
26 Nov 22	N/A		22		14
27 Nov 22	N/A		21		13
28 Nov 22	N/A	23	20	N/A	13
29 Nov 22	N/A		39		27
30 Nov 22	N/A		51		28
Range	-	33 - 70	18 - 77	-	11 - 56*
Number of times (exceeded standard)	-	0	0	-	2
Total Monitoring Hour	-	5	30	-	30
Ambient Air Quality Standard	-	350	120	-	50

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

MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd. Month : November  
MONITORING STATION : Donsai Sub-district YEAR : 2022

Date	SO <sub>2</sub> (ppb)		NO <sub>x</sub> (ppb)		O <sub>3</sub> (ppb)	O <sub>3</sub> (%)
	24-Hr. Avg.	1-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
	24-Hr. Avg.	1-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.
1 Nov 22	4	3 - 6	16	9 - 28	3 - 88	N/A
2 Nov 22	5	4 - 7	15	8 - 34	5 - 92	N/A
3 Nov 22	4	2 - 7	17	9 - 35	6 - 98	N/A
4 Nov 22	2	1 - 5	19	9 - 05	5 - 99	N/A
5 Nov 22	4	3 - 6	20	11 - 35	3 - 74	N/A
6 Nov 22	2	1 - 5	16	8 - 24	3 - 71	N/A
7 Nov 22	4	3 - 6	19	12 - 32	3 - 77	N/A
8 Nov 22	4	2 - 6	19	10 - 42	3 - 84	N/A
9 Nov 22	4	3 - 5	18	10 - 29	6 - 78	N/A
10 Nov 22	3	1 - 6	16	7 - 28	7 - 70	N/A
11 Nov 22	3	1 - 4	15	7 - 35	8 - 65	N/A
12 Nov 22	1	0 - 3	14	7 - 27	4 - 52	N/A
13 Nov 22	3	2 - 3	12	7 - 20	5 - 62	N/A
14 Nov 22	2	2 - 3	14	10 - 22	3 - 20	N/A
15 Nov 22	2	1 - 3	12	7 - 24	4 - 38	N/A
16 Nov 22	2	2 - 3	12	8 - 19	3 - 35	N/A
17 Nov 22	1	0 - 2	10	6 - 17	3 - 32	N/A
18 Nov 22	1	0 - 3	10	5 - 20	2 - 32	N/A
19 Nov 22	0	0 - 2	13	7 - 22	4 - 30	N/A
20 Nov 22	2	1 - 3	11	7 - 17	4 - 25	N/A
21 Nov 22	1	1 - 2	14	7 - 23	2 - 34	N/A
22 Nov 22	1	0 - 3	16	7 - 30	3 - 39	N/A
23 Nov 22	1	0 - 3	15	9 - 25	4 - 35	N/A
24 Nov 22	2	1 - 2	13	8 - 18	5 - 15	N/A
25 Nov 22	3	2 - 3	8	5 - 12	4 - 28	N/A
26 Nov 22	2	1 - 2	9	6 - 14	3 - 16	N/A
27 Nov 22	2	1 - 3	8	4 - 13	2 - 25	N/A
28 Nov 22	2	1 - 2	9	6 - 17	2 - 28	N/A
29 Nov 22	2	1 - 3	12	8 - 20	2 - 29	N/A
30 Nov 22	2	1 - 3	15	8 - 25	3 - 43	N/A
Range	0 - 5	0 - 7	8 - 20	4 - 45	2 - 99	-
Number of times (exceeded standard)	0	0	0	0	0	-
Total Monitoring Hour	30	30	30	30	30	-
Ambient Air Quality Standard	716	716	716	716	714	-
Remarks	128	300	-	170	100	-

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

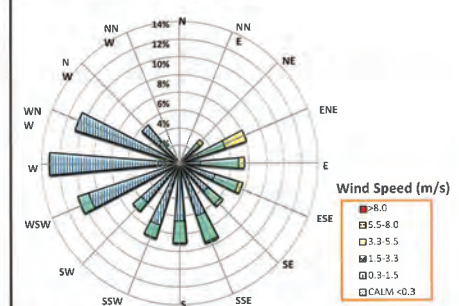
MONTHLY REPORT  
METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd. Month : November  
MONITORING STATION : Donsai Sub-district YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Nov 22	23.2	34.4	28.1	53	99	77	1,007	1,014	1,009	0.0
2 Nov 22	22.2	34.8	27.7	46	98	76	1,005	1,014	1,009	0.0
3 Nov 22	21.8	35.9	27.5	43	97	74	1,006	1,013	1,009	0.0
4 Nov 22	21.1	34.7	26.9	36	97	72	1,009	1,015	1,012	0.0
5 Nov 22	21.5	32.0	26.7	57	91	76	1,011	1,018	1,014	0.0
6 Nov 22	24.5	33.4	28.3	56	95	78	1,010	1,017	1,013	0.0
7 Nov 22	25.7	33.4	28.9	57	90	75	1,009	1,016	1,012	0.0
8 Nov 22	23.9	35.2	28.4	43	96	74	1,009	1,016	1,012	0.0
9 Nov 22	23.0	34.2	28.2	43	95	70	1,010	1,015	1,012	0.0
10 Nov 22	23.3	34.0	28.2	53	87	73	1,008	1,015	1,011	0.0
11 Nov 22	24.1	34.4	28.8	52	89	74	1,008	1,015	1,011	0.0
12 Nov 22	24.4	35.4	29.4	52	91	74	1,006	1,013	1,009	0.0
13 Nov 22	25.5	35.4	29.4	52	98	77	1,005	1,012	1,008	2.6
14 Nov 22	25.6	31.3	27.1	79	100	95	1,006	1,013	1,009	25.4
15 Nov 22	24.9	35.0	28.2	64	100	89	1,006	1,012	1,009	0.0
16 Nov 22	25.1	33.9	27.5	67	100	91	1,004	1,011	1,007	17.0
17 Nov 22	24.5	35.8	29.3	58	100	84	1,004	1,010	1,007	0.0
18 Nov 22	25.5	35.2	29.6	62	100	85	1,005	1,011	1,008	0.0
19 Nov 22	26.3	34.4	29.9	64	98	84	1,003	1,011	1,008	0.0
20 Nov 22	25.5	34.2	29.5	58	98	79	1,003	1,009	1,006	0.0
21 Nov 22	26.0	34.2	29.8	59	93	78	1,002	1,007	1,005	0.0
22 Nov 22	26.3	35.8	30.3	53	92	77	1,001	1,008	1,004	0.0
23 Nov 22	25.9	32.7	28.8	72	100	88	1,002	1,008	1,005	7.8
24 Nov 22	25.0	28.2	26.5	93	100	98	1,004	1,010	1,006	4.4
25 Nov 22	24.8	33.9	28.2	66	100	89	1,006	1,012	1,009	3.2
26 Nov 22	24.7	29.9	26.1	82	100	97	1,005	1,013	1,009	6.4
27 Nov 22	24.2	35.1	28.4	60	100	87	1,004	1,011	1,007	0.0
28 Nov 22	25.4	35.9	29.4	57	100	84	1,005	1,011	1,008	0.0
29 Nov 22	25.3	35.2	28.9	62	100	87	1,005	1,012	1,008	0.0
30 Nov 22	25.8	36.4	28.6	60	100	89	1,005	1,012	1,009	0.4
Total	21.1	36.4	28.4	36	100	82	1,001	1,018	1,009	67.2
Day	30			30			30			30
Hours	720			720			720			718

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

Date/Month/Year : 1-30/November/2022 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	Total
N	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
NNE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
NE	1.81%	0.83%	0.42%	0.00%	0.00%	3.06%
ENE	1.94%	2.92%	2.22%	0.00%	0.00%	7.08%
E	2.08%	3.89%	0.56%	0.00%	0.00%	6.53%
ESE	3.75%	2.50%	0.42%	0.00%	0.00%	6.67%
SE	3.75%	1.67%	0.28%	0.00%	0.00%	5.69%
SSE	5.56%	2.78%	0.14%	0.00%	0.00%	8.47%
S	5.83%	2.22%	0.00%	0.00%	0.00%	8.06%
SSW	6.53%	1.39%	0.00%	0.00%	0.00%	7.92%
SW	5.14%	1.11%	0.00%	0.00%	0.00%	6.25%
WSW	9.72%	1.11%	0.00%	0.00%	0.00%	10.83%
W	13.19%	0.00%	0.00%	0.00%	0.00%	13.19%
WNW	11.11%	0.00%	0.00%	0.00%	0.00%	11.11%
NW	5.00%	0.00%	0.00%	0.00%	0.00%	5.00%
NNW	0.14%	0.00%	0.00%	0.00%	0.00%	0.14%
Total	75.56%	20.42%	4.03%	0.00%	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	1.03	m/s	
No. of Valid Data	720	Hours	Maximum Wind Speed	4.50	m/s	
Wind Rose by : Air Quality and Noise Section	2023/05		Prevailing Wind Direction	W		

Equipment Status of Donsai Sub-district Monitoring Station "November 2022"						
No.	Site	Analyzer	Brand	Model	S/N	Status
5	Donsai (DS)	SO <sub>2</sub>	EcoTech	EC9858	05-1274	Normal
		O <sub>3</sub>	EcoTech	EC98108	06-0001	Normal
		NO <sub>2</sub>	Thermo	=	=	Normal
		DUST (PM - 10/2.5)	Thermo	1405DF	14042573601	Normal
		DUST (TSP)	Thermo	1400ab		Fail
		O <sub>2</sub>	Riken Keiki	OX-600		Fail
		Hivolume air sampler(PM-10)	EcoTech	HVS3000	05-1104	Fail
		Hivolume air sampler(TSP)	EcoTech	HVS3000	05-1103	Normal
		WIND SPEED	Met One	010C	E7612	Normal
		WIND DIRECTION	Met One	020C	F1128	Normal
		AT/RP	Met One	083D-1-35	F1320	Normal
		BAROMETRIC PRESSURE	Met One	090D	F1231	Normal
		Rain gauge	Met One	=	=	Normal
		Mold Translator	Met One	2270	F1284	Normal
		Data Logger	ADVANTECH	IPC-510		Normal
		Multi Gas Calibration	SABIO	4010	10260906	Normal
		Zero Air Generator	SABIO	1001	030614768	Normal
		Modem	Tornado	FMV56.0E	4288712	Normal
		Air Condition 1	Dalim	ARI8DV25	E003687	Normal
		Air Condition 2	Dalim	ARI8DV25	E002831	Normal

สถานีบ้านดอนมดตะนอย  
(สถานที่ตรวจวัด : วัดนักบุญอันโตนิโอ)

ภาคผนวก



MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.

MONTH : November

MONITORING STATION : Ban Don Mod Tanol

YEAR : 2022

Date	Concentration				
	TSP (µg/m <sup>3</sup> )	PM-10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (ppb)		NO <sub>2</sub> (ppb)
	24-Hr Avg	24-Hr Avg	24-Hr Avg	1-Hr Avg	1-Hr Avg
1 Nov 22	73	57	2	1 - 3	5 - 14
2 Nov 22	67	50	2	1 - 4	4 - 23
3 Nov 22	72	53	2	1 - 4	5 - 26
4 Nov 22	77	55	2	1 - 3	4 - 28
5 Nov 22	74	53	2	1 - 3	3 - 19
6 Nov 22	75	57	2	1 - 3	3 - 14
7 Nov 22	77	60	1	1 - 2	4 - 17
8 Nov 22	87	N/A	2	1 - 3	3 - 22
9 Nov 22	76	N/A	2	1 - 4	3 - 17
10 Nov 22	69	N/A	2	1 - 2	3 - 16
11 Nov 22	71	N/A	1	1 - 2	3 - 20
12 Nov 22	61	N/A	1	1 - 3	2 - 18
13 Nov 22	61	N/A	2	1 - 3	2 - 13
14 Nov 22	38	N/A	1	1 - 5	3 - 11
15 Nov 22	53	N/A	1	1	2 - 17
16 Nov 22	35	N/A	1	1 - 2	2 - 19
17 Nov 22	41	N/A	2	1 - 2	2 - 9
18 Nov 22	39	N/A	1	1 - 2	1 - 20
19 Nov 22	49	N/A	1	1 - 2	2 - 14
20 Nov 22	42	N/A	2	1 - 2	2 - 8
21 Nov 22	44	N/A	2	1 - 3	3 - 15
22 Nov 22	60	N/A	2	1 - 2	3 - 20
23 Nov 22	58	N/A	1	1 - 2	3 - 10
24 Nov 22	57	N/A	1	1 - 2	5 - 56
25 Nov 22	34	N/A	2	1 - 3	2 - 22
26 Nov 22	29	N/A	2	1 - 2	2 - 14
27 Nov 22	36	N/A	1	1 - 2	2 - 8
28 Nov 22	34	N/A	1	1 - 2	2 - 11
29 Nov 22	50	N/A	2	1 - 5	3 - 38
30 Nov 22	50	N/A	1	1 - 2	3 - 13
Range	29 - 87	37 - 60	1 - 2	1 - 5	1 - 56
Number of times exceeded standard	0	0	0	0	0
Total Day Monitoring	30	7	30	30	30
Average for 24-Hr	717	148	695	695	694
Standard (24-Hr)	330	528	120	304	190

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<sub>2</sub> :- Sulfur Dioxide  
 5) NO<sub>2</sub> :- 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 : November

MONITORING STATION : Ban Don Mod Tanol

YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Nov 22	22.4	33.9	27.0	40	99	75	1,009	1,013	1,011	0.0
2 Nov 22	21.3	33.7	26.5	33	99	75	1,008	1,014	1,011	0.0
3 Nov 22	20.5	33.8	26.3	33	99	74	1,009	1,013	1,011	0.0
4 Nov 22	19.7	33.9	25.8	25	99	72	1,011	1,015	1,013	0.0
5 Nov 22	20.3	31.8	25.7	42	99	76	1,012	1,017	1,014	0.0
6 Nov 22	23.2	32.8	27.1	45	99	79	1,011	1,016	1,014	0.0
7 Nov 22	24.0	31.2	27.4	53	99	80	1,011	1,015	1,013	0.0
8 Nov 22	22.7	34.5	27.4	35	99	74	1,010	1,015	1,013	0.8
9 Nov 22	21.9	33.7	26.8	31	99	71	1,011	1,015	1,013	0.0
10 Nov 22	21.5	33.5	27.0	40	99	74	1,010	1,014	1,012	0.0
11 Nov 22	22.6	33.8	27.6	40	99	76	1,010	1,014	1,012	0.0
12 Nov 22	23.0	34.9	28.1	40	99	75	1,008	1,013	1,011	0.0
13 Nov 22	24.2	34.6	28.2	41	99	77	1,007	1,012	1,010	5.4
14 Nov 22	24.1	31.2	26.4	68	99	95	1,009	1,013	1,011	2.6
15 Nov 22	24.1	33.1	27.4	59	99	89	1,008	1,013	1,011	0.0
16 Nov 22	23.6	33.7	26.4	54	99	91	1,007	1,012	1,009	21.4
17 Nov 22	23.0	35.2	27.9	45	99	84	1,007	1,012	1,009	0.2
18 Nov 22	24.2	34.3	28.6	50	99	82	1,008	1,012	1,010	0.0
19 Nov 22	24.8	33.8	28.8	56	99	84	1,006	1,012	1,010	0.0
20 Nov 22	24.3	33.8	28.6	46	99	76	1,006	1,010	1,009	0.0
21 Nov 22	25.1	34.1	28.5	49	99	79	1,006	1,010	1,008	9.0
22 Nov 22	24.6	35.6	29.2	42	99	78	1,005	1,010	1,007	0.0
23 Nov 22	23.9	32.5	26.8	64	99	94	1,006	1,010	1,008	18.8
24 Nov 22	23.5	26.7	25.0	99	99	99	1,007	1,011	1,009	8.2
25 Nov 22	23.8	32.2	27.0	62	99	90	1,008	1,013	1,011	1.6
26 Nov 22	23.5	27.4	24.5	99	99	99	1,008	1,014	1,011	21.4
27 Nov 22	22.7	33.3	27.1	52	99	86	1,007	1,012	1,010	0.2
28 Nov 22	24.2	35.1	28.3	44	99	82	1,008	1,012	1,010	0.0
29 Nov 22	24.0	33.6	27.7	56	99	89	1,008	1,012	1,010	0.0
30 Nov 22	24.3	35.1	27.6	52	99	89	1,008	1,013	1,011	3.4
Total	19.7	35.6	27.2	25	99	82	1,005	1,017	1,011	66.0
Day	30		30		30		30		30	
Hours	719		719		719		719		719	

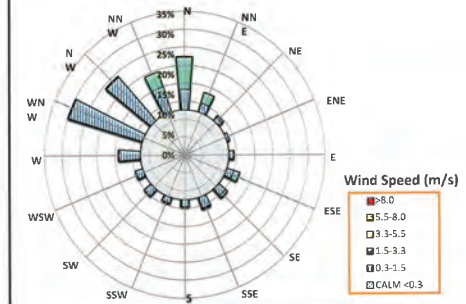
Remarks : P = Power Fail, F = Equipment Fail, N/A = Data not Available



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co., Ltd.

Date/Month/Year : 1-30/November/2022

STATION : Ban Don Mod Tanol



Wind Sector	0.3-1.5 m/s	1.5-3.3 m/s	3.3-5.5 m/s	5.5-8.0 m/s	Calm	All
N	5.14%	8.06%	0.14%	0.00%	0.00%	13.33%
NNE	2.36%	2.78%	0.00%	0.00%	0.00%	5.14%
NE	1.11%	0.56%	0.00%	0.00%	0.00%	1.67%
ENE	0.69%	0.00%	0.00%	0.00%	0.00%	0.69%
E	1.11%	0.14%	0.00%	0.00%	0.00%	1.25%
ESE	1.81%	1.53%	0.00%	0.00%	0.00%	3.33%
SE	2.22%	0.69%	0.00%	0.00%	0.00%	2.92%
SSE	2.78%	0.28%	0.00%	0.00%	0.00%	3.06%
S	1.81%	0.00%	0.00%	0.00%	0.00%	1.81%
SSW	1.53%	0.00%	0.00%	0.00%	0.00%	1.53%
SW	2.22%	0.00%	0.00%	0.00%	0.00%	2.22%
WSW	1.94%	0.00%	0.00%	0.00%	0.00%	1.94%
W	5.28%	0.14%	0.00%	0.00%	0.00%	5.42%
WNW	19.17%	0.28%	0.00%	0.00%	0.00%	19.44%
NW	14.31%	0.28%	0.00%	0.00%	0.00%	14.58%
NNW	6.67%	3.89%	0.00%	0.00%	0.00%	10.56%
Total	70.34%	18.61%	0.14%	0.00%	0.00%	88.89%

No. of Monitored Hours	720	Hours	No. of Calm	80	Hours
No. of Monitored Days	30	Days	Calm (%)	11.11%	
Missing Data	0	Hours	Average Wind Speed	0.94	m/s
No. of Valid Data	720	Hours	Maximum Wind Speed	3.50	m/s
Wind Rose by : Air Quality and Noise Section : 2020/05			Prevailing Wind Direction		
			WNW		

สถานบ้านบางกะโด  
(สถานที่ตรวจวัด : วัดบางกะโด)

Equipment Status of Ban Don Mod Tanol Monitoring Station "November 2022"					
No.	Site	Analyzer	Brand	Model	Description
1	บ้านดอนมดแดง (วัดบางกะโด)	SO <sub>2</sub>	Thermo Scientific	43-82SCA	Asset No. 20511164
		NO <sub>2</sub>	Thermo Scientific	42-82SCA	Normal 20511166
		O <sub>3</sub>	Thermo Scientific	49-82NCA	Normal 20511168
		DUST (TSP)	Thermo Scientific	50-14-5030	Normal 20511172
		DUST (PM - 10)	Thermo Scientific	50-14-5030	Fail 20511170
		ZERO AIR	Thermo Scientific	1140-BP2N	Normal 20511174
		CALIBRATOR	Thermo Scientific	140-IB68FCA	Normal 20511176
		DATA LOGGER	ADVANTECH	IPC-50	Normal 60110251,3,4
		Switch Hub 16 port	TP-LINK	TL-SF1016	Normal -
		UPS	Power Matec	TR-3000	Normal 60110253,2
		Display LCD 20"	Hp	P201	Normal -
		Keyboard	Logitech	K220	Normal -
		Mouse	Logitech	M150	Normal -
		Standard Gas	Airgas	-	Normal 11111345
		WIND SPEED	ASTEM	DNA 507/DNA 007	Normal -
		WIND DIRECTION	ASTEM	DNA 516/DNA 017	Normal -
		AIR TEMPERATURE	ASTEM	DNA 875	Normal -
		RELATIVE HUMIDITY	ASTEM	DNA 875	Normal -
		BAROMETRIC PRESSURE	ASTEM	DOA 208	Normal -
		RAIN GAUGE	ASTEM	DOA 030	Normal -





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 : Wat Bang Gado

YEAR : 2022

Date	Concentration					
	1SP (µg/m <sup>3</sup> )	PM-10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (ppb)	NO <sub>2</sub> (ppb)	O <sub>3</sub> (ppb)	
	24 Hr. Avg.	24 Hr. Avg.	24 Hr. Avg.	1 Hr. Avg.	1 Hr. Avg.	
1 Nov 22	84	61	3	3 - 4	4 - 19	13 - 74
2 Nov 22	73	59	3	3 - 4	5 - 24	17 - 95
3 Nov 22	78	55	3	2 - 5	6 - 23	12 - 98
4 Nov 22	84	61	3	3 - 5	5 - 33	10 - 98
5 Nov 22	91	70	3	3 - 4	5 - 22	6 - 74
6 Nov 22	93	73	3	3 - 5	4 - 18	5 - 72
7 Nov 22	89	71	4	3 - 5	4 - 23	6 - 80
8 Nov 22	86	70	4	3 - 5	3 - 34	4 - 87
9 Nov 22	81	65	4	3 - 5	3 - 20	9 - 76
10 Nov 22	75	50	3	3 - 4	3 - 21	16 - 76
11 Nov 22	78	62	3	3 - 4	3 - 26	13 - 73
12 Nov 22	67	47	3	3 - 4	2 - 22	10 - 57
13 Nov 22	73	53	3	3 - 5	3 - 14	11 - 69
14 Nov 22	47	26	2	2 - 3	4 - 11	2 - 40
15 Nov 22	44	26	2	2 - 3	2 - 18	5 - 70
16 Nov 22	48	33	2	2 - 3	2 - 11	3 - 55
17 Nov 22	51	34	2	2 - 4	2 - 8	1 - 60
18 Nov 22	47	27	3	2 - 5	1 - 21	1 - 63
19 Nov 22	55	38	2	2 - 3	1 - 15	5 - 56
20 Nov 22	53	29	2	2 - 3	1 - 9	3 - 54
21 Nov 22	54	33	3	2 - 4	2 - 16	4 - 62
22 Nov 22	65	45	2	2 - 5	2 - 13	7 - 71
23 Nov 22	67	45	2	2 - 4	2 - 10	13 - 73
24 Nov 22	46	27	2	2 - 3	2 - 9	9 - 24
25 Nov 22	37	18	2	2 - 3	1 - 8	15 - 50
26 Nov 22	37	23	2	2 - 3	2 - 9	8 - 34
27 Nov 22	40	21	2	2 - 4	1 - 9	6 - 45
28 Nov 22	42	21	2	2 - 3	2 - 7	7 - 59
29 Nov 22	59	36	2	2 - 3	2 - 14	6 - 62
30 Nov 22	64	45	2	2 - 2	3 - 14	8 - 84
Range	37 - 93	18 - 73	2 - 4	2 - 5	1 - 34	1 - 98
Number of times exceeded standard	0	0	0	0	0	0
Total Day	30	30	30	30	30	30
Monitoring Hour	718	718	641	641	682	683
Ambient Air Quality Standard	253	130	180	300	170	190

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<sub>2</sub> : Sulfur Dioxide  
5) NO<sub>2</sub> : 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 : November

MONITORING STATION : Wat Bang Gado

YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Nov 22	22.5	31.8	26.7	49	100	80	1,009	1,014	1,011	0.0
2 Nov 22	21.4	31.7	25.9	38	100	81	1,008	1,014	1,011	0.0
3 Nov 22	20.4	32.3	26.2	37	100	72	1,009	1,014	1,011	0.0
4 Nov 22	N/A	N/A	N/A	N/A	N/A	N/A	1,010	1,015	1,013	0.0
5 Nov 22	N/A	N/A	N/A	N/A	N/A	N/A	1,012	1,017	1,014	0.0
6 Nov 22	N/A	N/A	N/A	N/A	N/A	N/A	1,011	1,016	1,014	0.0
7 Nov 22	25.2	31.4	28.5	49	100	68	1,010	1,015	1,013	0.0
8 Nov 22	23.1	32.8	27.4	38	100	73	1,010	1,015	1,013	1.6
9 Nov 22	22.0	32.0	26.8	37	100	70	1,011	1,015	1,013	0.2
10 Nov 22	21.7	31.7	26.9	47	100	73	1,010	1,014	1,012	0.0
11 Nov 22	22.6	32.0	27.4	47	100	76	1,009	1,014	1,012	0.0
12 Nov 22	23.3	34.0	28.2	40	100	74	1,008	1,013	1,011	0.0
13 Nov 22	24.4	33.3	28.2	47	100	80	1,007	1,012	1,010	1.2
14 Nov 22	25.3	29.7	26.2	24	100	92	1,009	1,013	1,011	31.2
15 Nov 22	N/A	N/A	N/A	N/A	N/A	N/A	1,008	1,013	1,011	0.0
16 Nov 22	N/A	N/A	N/A	N/A	N/A	N/A	1,007	1,012	1,009	4.4
17 Nov 22	N/A	N/A	N/A	N/A	N/A	N/A	1,006	1,011	1,009	0.0
18 Nov 22	N/A	N/A	N/A	N/A	N/A	N/A	1,007	1,012	1,010	0.0
19 Nov 22	N/A	N/A	N/A	N/A	N/A	N/A	1,006	1,012	1,010	0.0
20 Nov 22	N/A	N/A	N/A	N/A	N/A	N/A	1,006	1,010	1,009	0.0
21 Nov 22	27.6	32.0	29.6	53	100	70	1,005	1,010	1,008	0.0
22 Nov 22	25.1	34.1	29.3	47	100	79	1,005	1,009	1,007	0.0
23 Nov 22	24.9	31.9	27.9	26	100	87	1,005	1,010	1,008	10.4
24 Nov 22	24.3	27.1	25.8	100	100	100	1,007	1,011	1,009	3.2
25 Nov 22	24.2	31.1	26.4	41	100	90	1,008	1,013	1,011	2.2
26 Nov 22	24.1	27.6	25.3	50	100	95	1,008	1,014	1,011	6.6
27 Nov 22	23.5	32.1	26.9	51	100	89	1,006	1,012	1,009	0.0
28 Nov 22	24.9	33.4	28.2	48	100	81	1,007	1,012	1,010	0.0
29 Nov 22	24.6	32.6	28.1	55	100	86	1,008	1,012	1,010	0.0
30 Nov 22	25.0	34.3	27.5	49	100	88	1,007	1,012	1,010	10.6
Total	20.4	34.3	27.3	24	100	81	1,005	1,017	1,011	71.6
Day	21	21	21	21	21	21	30	30	30	
Hours	444	444	444	444	444	444	718	718	718	

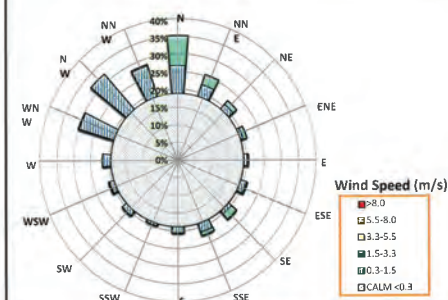
Remarks : P = Power Fail, F = Equipment Fail, N/A = Data not Available



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co., Ltd.

Date/Month/Year : 1-30/November/2022

STATION : Wat Bang Gado



Wind Speed (m/s)					
Wind Sector	<0.3	1.5-3.3	3.3-5.5	5.5-8.0	>8.0
N	8.06%	8.47%	0.14%	0.00%	0.00%
NNE	3.61%	3.06%	0.00%	0.00%	0.00%
NE	1.91%	1.39%	0.00%	0.00%	0.00%
ENE	0.83%	1.11%	0.00%	0.00%	0.00%
E	0.97%	0.42%	0.00%	0.00%	0.00%
ESE	1.81%	0.28%	0.00%	0.00%	0.00%
SE	1.11%	1.94%	0.14%	0.00%	0.00%
SSE	2.64%	0.97%	0.00%	0.00%	0.00%
S	1.81%	0.00%	0.00%	0.00%	0.00%
SSW	0.69%	0.00%	0.00%	0.00%	0.00%
SW	1.67%	0.00%	0.00%	0.00%	0.00%
WSW	1.39%	0.14%	0.14%	0.00%	0.00%
W	2.36%	0.00%	0.00%	0.00%	0.00%
WNW	10.56%	0.14%	0.14%	0.00%	0.00%
NW	13.33%	0.00%	0.00%	0.00%	0.00%
NNW	9.31%	0.42%	0.00%	0.00%	0.00%
Total	81.94%	18.33%	0.56%	0.00%	0.00%
No. of Monitored Hours	720	Hours	No. of Calm	138	Hours
No. of Monitored Days	30	Days	Calm (%)	19.17%	
Missing Data	0	Hours	Average Wind Speed	0.89	m/s
No. of Valid Data	720	Hours	Maximum Wind Speed	6.80	m/s
Wind Rose by : Air Quality and Noise Section	2022/05		Prevailing Wind Direction	N	

#### Equipment Status of Wat Gang Gado Monitoring Station "November 2022"

No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No	Description
2	วัดบางกวด (BD)	SO <sub>2</sub>	Thermo Scientific	434-BZ24B	131575998	Normal	20210977	Sensor RH/Temp Fail อยู่ระหว่างรอช่างปรับตั้งใหม่ ตรวจได้ระหว่างวันที่ 14.6.15-20 Nov 2022
		NO <sub>2</sub>	Thermo Scientific	424-BZ4053AB	131575995	Normal	20210999	
		O <sub>3</sub>	Thermo Scientific	494-BZ44B	1315758000	Normal	20210101	
		DUST (TSP)	Thermo Scientific	5014I (In26-004-2)	CM13211004	Normal	20210095	
		DUST (PM - 10)	Thermo Scientific	5014I (In26-004-1)	CM13211003	Normal	20210093	
		ZERO AIR	Thermo Scientific	1160 BH#02C	1315758003	Normal	20210102.2	
		CALIBRATOR	Thermo Scientific	1464-BB364B	1315758002	Normal	20210102.4	
		DATA LOGGER (vda)	ADVANTECH	IPC-510	KMA1478929	Normal	60110224-01.3.4	
		Ethernet Switch	TP-LINK	TL-SF1016	12866700598	Normal	-	
		UPS	Power Matic	TH-3000	13 KEI 00077	Normal	-	
		Display LCD 20"	HP	P201	6C0A9020G2	Normal	6011024.2	
		Keyboard Wireless	Logitech	K220	13145C105M48	Normal	-	
		Mouse Wireless	Logitech	M150	13135CNDXGVB	Normal	-	
		Standard Gas	Aligas	LL156436	-	Normal	-	
		WIND SPEED	LASTEM	DNA 827	BZ 1506553	Normal	-	
		WIND DIRECTION	LASTEM	DNA 827	BZ 1506563	Normal	-	
		AIR TEMPERATURE	LASTEM	DMA 875	CH 1506498	Normal	-	
		RELATIVE HUMIDITY	LASTEM	DMA 875	CH 1506498	Normal	-	
		BAROMETRIC PRESSURE	LASTEM	DQA 208	-	Normal	-	
		RAIN GAUGE	LASTEM	DQA 030	-	Normal	-	

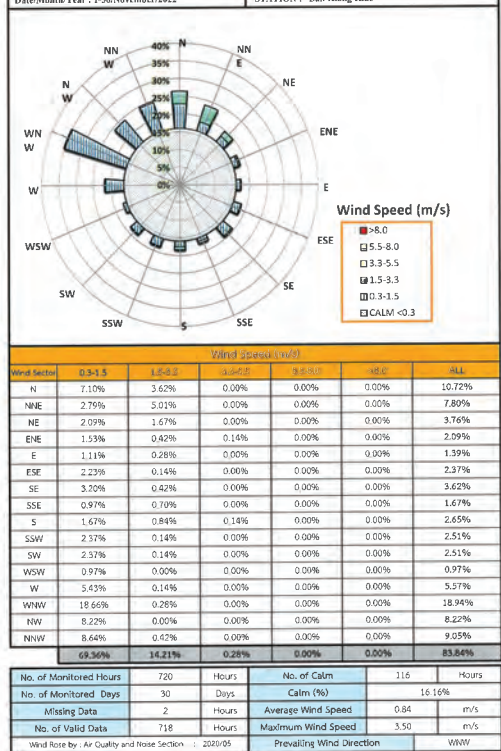
Date	Concentration					
	TSP (µg/m <sup>3</sup> )	PM-10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (ppb)		NO <sub>2</sub> (ppb)	O <sub>3</sub> (ppb)
	24-Hr Avg.	24-Hr Avg.	24-Hr Avg.	1-Hr Avg.	1-Hr Avg.	1-Hr Avg.
1 Nov 22	95	77	3	2 - 7	3 - 20	5 - 79
2 Nov 22	78	61	3	2 - 5	3 - 25	3 - 83
3 Nov 22	75	60	3	2 - 4	2 - 26	1 - 87
4 Nov 22	86	68	3	2 - 9	4 - 39	2 - 82
5 Nov 22	105	82	3	2 - 5	5 - 30	0 - 66
6 Nov 22	93	75	3	2 - 5	4 - 18	1 - 62
7 Nov 22	103	79	3	2 - 6	4 - 21	2 - 64
8 Nov 22	84	69	3	2 - 5	3 - 28	10 - 69
9 Nov 22	76	59	3	2 - 9	4 - 28	11 - 56
10 Nov 22	63	48	2	2 - 3	5 - 21	16 - 70
11 Nov 22	69	59	2	1 - 3	4 - 31	9 - 62
12 Nov 22	65	56	2	2 - 4	4 - 27	4 - 55
13 Nov 22	67	55	2	2 - 5	5 - 14	11 - 63
14 Nov 22	37	31	3	2 - 4	7 - 13	3 - 29
15 Nov 22	28	27	2	2 - 3	4 - 21	5 - 49
16 Nov 22	36	33	2	2 - 4	5 - 22	2 - 51
17 Nov 22	34	33	2	2 - 4	3 - 11	0 - 52
18 Nov 22	34	30	2	2 - 3	2 - 17	0 - 59
19 Nov 22	45	38	2	2 - 3	4 - 23	1 - 47
20 Nov 22	37	31	2	2 - 4	3 - 15	3 - 47
21 Nov 22	48	38	3	2 - 4	4 - 21	2 - 53
22 Nov 22	49	42	3	2 - 3	4 - 23	8 - 60
23 Nov 22	49	46	2	2 - 3	3 - 34	8 - 69
24 Nov 22	34	28	2	2 - 3	3 - 13	1 - 17
25 Nov 22	23	22	3	2 - 3	2 - 9	6 - 40
26 Nov 22	21	19	3	2 - 3	3 - 11	1 - 23
27 Nov 22	25	21	2	2 - 3	2 - 11	0 - 35
28 Nov 22	23	21	2	2 - 4	2 - 9	1 - 41
29 Nov 22	36	30	2	1 - 3	3 - 14	1 - 51
30 Nov 22	42	38	2	2 - 3	3 - 17	1 - 68
Range	21 - 105	19 - 82	2 - 3	1 - 9	2 - 39	0 - 87
Number of times exceeded standard	0	0	0	0	0	0
Total Day	30	30	30	30	30	30
Monitoring Hour	710	706	699	699	699	698
Ambient Air Quality Standard	350	150	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. a) N/A = Data not Available  
4) SO<sub>2</sub> = Sulfur Dioxide 7) \* = Exceeding air quality standard  
5) NO<sub>2</sub> = Nitrogen Dioxide 8) - = Not Measurement

สถานีบ้านคลองแค  
(สถานที่ตรวจวัด : วัดโพธิ์ราษฎร์บูรณะ)

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Nov 22	23.1	31.8	27.0	46	99	73	1,008	1,012	1,010	0.0
2 Nov 22	21.8	31.9	26.6	35	99	74	1,007	1,012	1,009	0.0
3 Nov 22	20.6	34.0	26.5	32	99	70	1,008	1,012	1,010	0.0
4 Nov 22	20.0	32.2	25.8	28	99	68	1,009	1,014	1,012	0.0
5 Nov 22	21.0	30.3	25.8	49	99	72	1,011	1,015	1,013	0.0
6 Nov 22	23.4	31.6	27.1	48	99	77	1,010	1,015	1,012	0.0
7 Nov 22	25.6	31.2	27.8	52	99	72	1,009	1,014	1,012	0.0
8 Nov 22	23.0	33.2	27.6	36	99	69	1,009	1,014	1,011	0.0
9 Nov 22	22.6	32.6	27.0	32	99	65	1,010	1,013	1,012	1.8
10 Nov 22	22.6	32.3	27.3	44	88	65	1,008	1,013	1,011	0.0
11 Nov 22	23.3	32.2	27.6	44	93	68	1,008	1,013	1,011	0.0
12 Nov 22	23.8	33.5	28.3	45	97	70	1,007	1,012	1,010	0.0
13 Nov 22	24.7	33.8	28.3	44	99	74	1,006	1,011	1,009	2.0
14 Nov 22	25.0	29.1	26.1	90	100	99	1,008	1,012	1,010	13.4
15 Nov 22	24.5	32.3	27.4	61	100	90	1,007	1,012	1,009	0.2
16 Nov 22	23.9	32.5	26.7	60	100	90	1,006	1,011	1,008	6.6
17 Nov 22	23.5	34.1	27.9	49	100	85	1,005	1,010	1,008	0.0
18 Nov 22	24.6	34.8	28.5	50	100	82	1,006	1,011	1,009	0.0
19 Nov 22	25.3	32.5	28.7	59	99	84	1,005	1,011	1,008	0.0
20 Nov 22	24.9	32.5	28.5	50	99	76	1,005	1,009	1,008	0.0
21 Nov 22	25.4	32.4	28.8	53	99	76	1,004	1,008	1,006	0.0
22 Nov 22	25.3	33.8	29.2	47	99	75	1,004	1,008	1,006	0.0
23 Nov 22	24.8	31.5	27.3	65	99	93	1,005	1,008	1,007	3.0
24 Nov 22	23.9	26.5	25.3	99	100	100	1,006	1,010	1,008	11.0
25 Nov 22	24.0	32.1	26.8	62	100	91	1,007	1,012	1,010	3.4
26 Nov 22	23.7	27.5	24.7	98	100	100	1,007	1,013	1,010	6.2
27 Nov 22	22.9	33.1	27.1	54	100	87	1,005	1,011	1,008	0.2
28 Nov 22	24.4	34.1	28.4	46	100	81	1,007	1,010	1,009	0.0
29 Nov 22	24.3	33.5	28.0	56	100	89	1,007	1,011	1,009	1.0
30 Nov 22	24.9	33.8	28.1	55	100	87	1,006	1,011	1,009	0.0
Total	20.0	34.8	27.3	28	100	80	1,004	1,015	1,009	50.8
Day	30			30			30			30
Hour	720			720			720			720

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



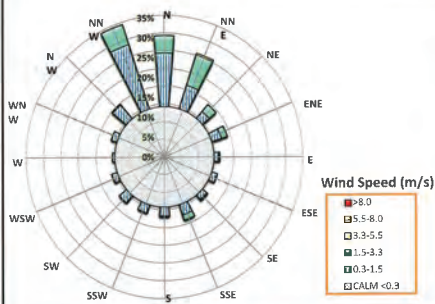






Date/Month/Year : 1-30/November/2022

STATION : Ban Chao Nua



Win3 (pss2) 5/5/8						
Word Sector	201-15	1-400	401-800	801-1200	1201+	All
N	13.68%	4.40%	0.00%	0.00%	0.00%	13.87%
NNE	6.34%	7.94%	0.43%	0.00%	0.00%	14.61%
NE	2.27%	2.27%	0.00%	0.00%	0.00%	4.54%
ENE	2.55%	1.56%	0.00%	0.00%	0.00%	4.11%
E	1.13%	0.28%	0.00%	0.00%	0.00%	1.42%
ESE	1.42%	0.00%	0.00%	0.00%	0.00%	1.42%
SE	1.42%	0.28%	0.00%	0.00%	0.00%	1.70%
SSE	2.70%	1.42%	0.00%	0.00%	0.00%	4.11%
S	2.27%	0.14%	0.00%	0.00%	0.00%	2.41%
SSW	2.13%	0.00%	0.00%	0.00%	0.00%	2.13%
SW	2.41%	0.00%	0.00%	0.00%	0.00%	2.41%
WSW	1.42%	0.00%	0.00%	0.00%	0.00%	1.42%
W	0.57%	0.00%	0.00%	0.00%	0.00%	0.57%
WNW	1.56%	0.00%	0.00%	0.00%	0.00%	1.56%
NW	4.54%	0.28%	0.00%	0.00%	0.00%	4.82%
NNW	17.02%	5.23%	0.00%	0.00%	0.00%	22.27%

No. of Monitored Hours	720	Hours	No. of Calm	89	Hours
No. of Monitored Days	30	Days	Calm (%)	12.62%	
Missing Data	15	Hours	Average Wind Speed	1.03	m/s
No. of Valid Data	705	Hours	Maximum Wind Speed	3.50	m/s
Wind Rose by: Air Quality and Noise Section		2020/05	Prevailing Wind Direction		NNW

Wind Rose by : Air Quality and Noise Section

Equipment Status of Ban Chao Nua Monitoring Station "November 2022"									
No.	Site	Analyzer	Brand	Model	S/N	Status	Asset No	Description	
4	อุโมงค์น้ำดิบ (CN)	SO <sub>2</sub>	Thermo Scientific	69-92548	131575997	Normal	20210096		
		NO <sub>2</sub>	Thermo Scientific	42483M5D48	131575998	Normal	20210098		
		O <sub>3</sub>	Thermo Scientific	469-BPM48	131575999	Normal	20210100		
		DUST (TSP)	Thermo Scientific	50141 (n26-004-4)	CM13211066	Normal	20210094		
		DUST (PM <sub>10</sub> - 10)	Thermo Scientific	50141 (n26-004-3)	CM13211065	Normal	20210092		
		ZERO AIR	Thermo Scientific	1160 B4PCC	1315758010	Normal	20210102.1		
		CALIBRATOR	Thermo Scientific	146-06388E48	1315758001	Normal	20210102.3		
		DATA LOGGER/Encoder	ADVANTECH	IPC-510	KMA1478933	Normal	60110252.00001.3.4		
		Data Logger/Encoder	Encoder Ultimate		281230	Normal	-		
		Switch Hub 16 port	TP-LINK	TL-SF1016	12886701720	Normal	-		
		UPS	Power Matec	TR-3000	13-KET 00082	Normal			
		Display LCD 20"	HP	P201	6CXA3151918	Normal	60110252.2		
		Keyboard Wireless	Logitech	K220	13145CC05A668	Normal	-		
		Mouse Wireless	Logitech	M150	13135C040X468	Normal	-		
		Standard Gas	Airgas		LL171560	Normal	-		
		WIND SPEED	LASTEM	DMA 827	BZ 1506562	Normal	20210013 0013		
WIN3 DIRECTION	LASTEM	DMA 827	BZ 1506562	Normal	20210013 0014				
AIR TEMPERATURE	LASTEM	DMA 875	CH 1506501	Normal					
RELATIVE HUMIDITY	LASTEM	DMA 875	CH 1506501	Normal	20210013 0015				
BAROMETRIC PRESSURE	LASTEM	DQA 208		Normal	20210013 0016				
RAIN GAUGE	LASTEM	DQA 030		Normal	20210013 0018				

Preventive maintenance schedule,

Plan and actual

งานบำรุงรักษาสถานีตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไป บริษัท ราชบุรีเพาวเวอร์ จำกัด ปี 2022

[illegible]

## Corrective maintenance work list

[illegible]

## Weekly report

Weekly Report _ AAQM-RB		
Site :	Ratchaburi Power Plant	Week No.      44
Date :	31-Oct-22 to 6-Nov-22	
ผู้ปฏิบัติงาน : 1) นาย พงศวิริยะ เขาวลิตร์	2)	
	3)	4)
พชร :	นาย สจำ กรรมรัมย์	
<b>สรุปรายละเอียดการปฏิบัติงาน</b>		
- Data logger ปกติ		
- Station โดยรอบปกติ		
- Standard gas 1910 psi		
- PM-10 High Volume Fail อยู่ระหว่างส่งซ่อมกับ บ.สิทธิพร แอสโซซิเอต จำกัด		
- Replace filter high-volume Run 30/10/2022		
Remark :		
นาย พงศวิริยะ เขาวลิตร์ ผู้ปฏิบัติงาน Date : 7-Nov-2022		





Calibration result

[illegible]

## Calibration Sheet

Project : Ratchaburi Power Plant  
Site No. : 5 Station : DONSAI

Date : 10 Nov 22

Page 01  
Start Time : 08.30

Analyzer	SO <sub>2</sub>	NO <sub>x</sub>	O <sub>3</sub>	Standard Gas	SO <sub>2</sub>	NO <sub>x</sub>	Start Time : 08.30
Manufacturer	ECOTECH	เอทีอีอีอีอี	ECOTECH	Cylinder No.	D 636099		Remark
Model	EC 9850B	เอทีอี เอทีอี	EC 9810 B	Concentration	50.10	51.90	
Serial No.	05-1274	06-0001	Multi Gas Calibrator				
Range	0 - 500 ppb	0 - 500 ppb	Model : Sabco(4010)	Serial No. :			

Phase	Set Point	Desired Value	Actual Value	Diff	% Diff	Factor								
SO <sub>2</sub> Before Calibrate	Zero	0	5	-5	-1.0	Gain : 28.35								
	Span(L.o.)	80	-	-	-									
	Span(Mid.)	150	-	-	-									
	Span(H.i.)	400	459	-59	-14.8									
SO <sub>2</sub> After Calibrate	Zero	0	2	-2	-0.4	Gain : 26.35								
	Span(L.o.)	80	-	-	-									
	Span(Mid.)	150	-	-	-									
	Span(H.i.)	400	450	-50	-12.5									
		NO	NO <sub>2</sub>	NO <sub>x</sub>	NO	NO <sub>2</sub>	NO <sub>x</sub>	NO	NO <sub>2</sub>	NO <sub>x</sub>				
NO <sub>x</sub> Before Calibrate	Zero	0	0	1.9	5.0	6.0	-1.9	-5	-6	-0.4	-1.0	-1.2	Gain : 4.682	
	Span(L.o.)	80	0	80	-	-	-	-	-	-	-	-		
	Span(Mid.)	150	0	150	-	-	-	-	-	-	-	-		
	Span(H.i.)	450	0	450	449.0	1.0	450.0	1	-1	0	0.2	-0.2		0.0
NO <sub>x</sub> After Calibrate	Zero	0	0	0	1.8	0.1	2.0	-1.8	-0.1	-2	-0.4	0.0	-0.4	Gain : 4.692
	Span(L.o.)	80	0	80	-	-	-	-	-	-	-	-	-	
	Span(Mid.)	150	0	150	-	-	-	-	-	-	-	-	-	
	Span(H.i.)	450	0	450	449.0	1.0	450.0	1	-1	0.0	0.2	-0.2	0.0	
O <sub>3</sub> Before Calibrate	Zero	0	2	-2	-0.4	Gain : 1.150								
	Span(L.o.)	80	-	-	-									
	Span(Mid.)	150	-	-	-									
	Span(H.i.)	400	461	-61	-15.3									
O <sub>3</sub> After Calibrate	Zero	0	1	-1	-0.2	Gain : 1.126								
	Span(L.o.)	80	-	-	-									
	Span(Mid.)	150	-	-	-									
	Span(H.i.)	400	450	-50	-12.5									
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 : Ponveynya

Calibrate by : Pongvinya

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

Finish Time : 10.00

# Calibration Sheet

Project : Ratchaburi Power Plant

Page 02

Site No. : 5 Station : DONSAT Date : 24 Nov 22

Start Time : 08.30

Analyzer	SO <sub>2</sub>	NO <sub>x</sub>	O <sub>3</sub>	Standard Gas	SO <sub>2</sub>	NO <sub>x</sub>	Remark
Manufacturer	ECOTECH เครื่องสร้าง	ECOTECH	Cylinder No.	D 636099			
Model	EC 9850B ของ กฟผ.	EC 9810 B	Concentration	50.10	51.90		
Serial No.	05-1274	06-0001	Multi Gas Calibrator				
Range	0 - 500 ppb	0 - 500 ppb	Model : Sabco(4010)	Serial No. : >=			

Phase	Set Point	Desire Value			Monitor Value			Drift			% Error			Gain
SO <sub>2</sub> Before Calibrate	Zero	0			2			-2			-0.4			Gain : 26.35
	Span(Low)	80			85			-5			-6.3			
	Span(Mid)	150			155			-5			-3.3			
	Span(Hi)	450			452			-2			-0.4			
SO <sub>2</sub> After Calibrate	Zero	0			2			-2			-0.4			Gain : 25.93
	Span(Low)	80			83			-3			-3.8			
	Span(Mid)	150			153			-3			-2.0			
	Span(Hi)	450			450			0			0.0			
NO <sub>x</sub> Before Calibrate	Zero	0	0	0	3.0	2.0	5.0	-3	-2	-5	-0.6	-0.4	-1.0	Gain : 4.692
	Span(Low)	80	0	80	86.0	1.0	87.0	-6	+1.0	-7	-7.5	-0.2	-8.8	
	Span(Mid)	150	0	151	153.0	1.0	154.0	-3	-1.0	-3	-2.0	-0.2	-2.0	
	Span(Hi)	400	0	400	438.0	0.2	438.7	-38	-0.2	-38.7	-9.5	-0.1	-9.7	
NO <sub>x</sub> After Calibrate	Zero	0	0	0	1.0	2.0	3.0	-1	-2	-3	-0.2	-0.4	-0.6	Gain : 4.951
	Span(Low)	80	1	81	82.0	1.0	83.0	-2	0	-2	-2.5	0.0	-2.5	
	Span(Mid)	150	1	151	149.7	1.4	151.1	0.3	-0.4	-0.1	0.2	-0.1	-0.1	
	Span(Hi)	450	0	450	451.0	0.0	451.0	-1	0	-1.0	-0.2	0.0	-0.2	
O <sub>3</sub> Before Calibrate	Zero	0			3			-3			-0.6			Gain : 1.126
	Span(Low)	80			84			-4			-5.0			
	Span(Mid)	150			154			-4			-2.7			
	Span(Hi)	450			446			4			0.9			
O <sub>3</sub> After Calibrate	Zero	0			2			-2			-0.4			Gain : 1.148
	Span(Low)	80			78			2			2.5			
	Span(Mid)	150			148			2			1.3			
	Span(Hi)	450			450			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 : Pongvitya

Finish Time : 11.00

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

Comment :



บริษัท ราชบุรีเพาเวอร์ จำกัด  
Ratchaburi Power Co., Ltd.

รายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไปแบบต่อเนื่อง

โรงไฟฟ้า บริษัท ราชบุรีเพาเวอร์ จำกัด

ประจำเดือนธันวาคม 2565

เสนอต่อ

บริษัท ราชบุรีเพาเวอร์ จำกัด

โดยฝ่ายสิ่งแวดล้อมโครงการ

การไฟฟ้าฝ่ายผลิตแห่งประเทศไทย

สถานีบ้านคอนมตะนอย

(สถานที่ตรวจวัด : วัดนักบุญอันโตนิโอ)



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co., Ltd.

MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co., Ltd.

MONTH : December

MONITORING STATION : Ban Don Mod Tanol

YEAR : 2022

Date	Concentration					
	TSP (µg/m <sup>3</sup> )	PM-10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (ppb)		NO <sub>x</sub> (ppb)	O <sub>3</sub> (ppb)
	24-Hr Avg	24-Hr Avg	24-Hr Avg	1-Hr Avg	1-Hr Avg	1-Hr Avg
1 Dec 22	71	N/A	1	1 - 2	3 - 16	7 - 60
2 Dec 22	42	N/A	1	1 - 2	3 - 12	14 - 47
3 Dec 22	43	N/A	2	1 - 3	5 - 15	7 - 64
4 Dec 22	56	N/A	2	1 - 3	5 - 15	5 - 78
5 Dec 22	50	N/A	2	1 - 2	6 - 12	3 - 73
6 Dec 22	42	N/A	2	1 - 3	5 - 12	5 - 79
7 Dec 22	53	N/A	3	2 - 4	5 - 15	6 - 75
8 Dec 22	55	N/A	2	1 - 3	5 - 23	8 - 68
9 Dec 22	52	N/A	2	1 - 3	4 - 16	9 - 74
10 Dec 22	53	N/A	2	1 - 4	3 - 25	2 - 76
11 Dec 22	57	N/A	2	1 - 3	5 - 16	5 - 100
12 Dec 22	63	N/A	2	1 - 4	6 - 18	10 - 96
13 Dec 22	70	N/A	2	1 - 3	5 - 15	3 - 76
14 Dec 22	84	N/A	3	2 - 3	7 - 19	6 - 88
15 Dec 22	81	N/A	2	2 - 6	5 - 19	11 - 91
16 Dec 22	77	N/A	2	2 - 3	4 - 20	13 - 78
17 Dec 22	76	N/A	2	2 - 3	4 - 10	20 - 76
18 Dec 22	74	N/A	2	2 - 3	5 - 11	33 - 77
19 Dec 22	65	N/A	2	2 - 3	4 - 16	22 - 68
20 Dec 22	84	N/A	2	2 - 3	5 - 17	13 - 75
21 Dec 22	61	N/A	2	1 - 3	4 - 19	9 - 76
22 Dec 22	76	N/A	2	2 - 3	4 - 21	12 - 81
23 Dec 22	89	N/A	2	1 - 4	8 - 28	7 - 134*
24 Dec 22	83	N/A	2	1 - 3	7 - 24	2 - 97
25 Dec 22	78	N/A	2	2 - 3	4 - 27	2 - 78
26 Dec 22	76	N/A	2	1 - 4	5 - 24	2 - 77
27 Dec 22	83	N/A	2	1 - 3	4 - 31	3 - 84
28 Dec 22	84	N/A	2	2 - 3	4 - 34	3 - 73
29 Dec 22	73	N/A	2	2 - 6	4 - 25	2 - 69
30 Dec 22	63	N/A	2	2 - 3	5 - 16	4 - 77
31 Dec 22	68	N/A	2	1 - 3	4 - 23	7 - 72
Range	41 - 89		1 - 3	1 - 4	3 - 34	2 - 134*
Number of times exceeded standard	0		0	0	0	1
Total / Day	31		31	11	11	11
Monitoring Hour	744		711	711	711	711
Air Quality Index (AQI)	120		120	300	170	100

Remark :-  
1) Standards : Ambient A: Quality Standards of the National Environment Board  
2) TSP : Total Suspended Particulate  
3) PM-10 : Particulate Matter less than 10 µm  
4) SO<sub>2</sub> : Sulfur Dioxide  
5) NO<sub>x</sub> : Nitrogen Oxide  
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 Tanol

YEAR : 2022

Date	Temperature ( °C )			Relative Humidity ( % )			Pressure ( mb )			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Dec 22	23.5	33.0	27.5	56	99	87	1,008	1,013	1,011	0.2
2 Dec 22	23.1	31.4	26.8	64	99	90	1,008	1,012	1,010	2.8
3 Dec 22	23.1	31.9	26.5	51	99	84	1,008	1,013	1,010	0.2
4 Dec 22	23.8	32.5	27.4	52	99	84	1,008	1,013	1,010	0.0
5 Dec 22	24.5	32.3	27.7	57	99	86	1,009	1,013	1,011	0.0
6 Dec 22	24.9	32.9	27.9	48	99	78	1,008	1,013	1,011	0.0
7 Dec 22	24.5	32.7	27.4	48	99	80	1,009	1,013	1,011	0.0
8 Dec 22	23.1	32.5	26.9	50	99	83	1,009	1,013	1,011	0.0
9 Dec 22	24.6	33.7	27.8	47	99	79	1,009	1,013	1,011	0.0
10 Dec 22	23.0	33.5	27.5	45	99	79	1,008	1,013	1,010	0.0
11 Dec 22	22.9	34.3	27.5	39	99	79	1,009	1,014	1,011	0.0
12 Dec 22	22.0	33.9	27.1	37	99	76	1,009	1,014	1,012	0.0
13 Dec 22	20.7	29.0	24.2	49	99	81	1,011	1,015	1,013	0.0
14 Dec 22	18.6	29.0	22.8	39	99	72	1,012	1,016	1,014	0.0
15 Dec 22	17.2	30.0	22.9	39	99	76	1,009	1,015	1,012	0.0
16 Dec 22	18.8	31.7	24.3	40	99	75	1,008	1,013	1,011	0.0
17 Dec 22	20.8	30.6	25.4	52	99	75	1,010	1,014	1,012	0.0
18 Dec 22	20.8	26.9	23.5	37	67	52	1,012	1,017	1,014	0.0
19 Dec 22	18.6	26.1	21.5	39	82	54	1,011	1,017	1,014	0.0
20 Dec 22	17.2	29.2	22.4	37	99	69	1,009	1,015	1,012	0.0
21 Dec 22	18.0	30.3	23.6	39	99	74	1,009	1,014	1,011	0.0
22 Dec 22	18.9	32.0	24.5	42	99	75	1,009	1,013	1,011	0.0
23 Dec 22	19.6	33.0	25.3	41	99	78	1,009	1,013	1,011	0.0
24 Dec 22	19.7	31.1	24.7	39	99	77	1,011	1,016	1,013	0.0
25 Dec 22	18.8	30.7	23.7	37	99	78	1,013	1,017	1,015	0.0
26 Dec 22	18.2	30.5	23.3	35	99	76	1,014	1,018	1,016	0.0
27 Dec 22	18.1	31.4	23.6	33	99	74	1,013	1,018	1,016	0.0
28 Dec 22	18.0	31.7	23.8	34	99	76	1,013	1,018	1,016	0.0
29 Dec 22	18.2	32.1	24.1	32	99	74	1,013	1,018	1,016	0.0
30 Dec 22	19.0	30.9	24.3	43	99	77	1,015	1,019	1,017	0.0
31 Dec 22	18.8	30.1	23.7	46	99	78	1,014	1,020	1,017	0.0
Total	17.2	34.3	25.2	52	99	77	1,008	1,020	1,012	3.2
Day	31			31			31			31
Hours	744			744			744			744

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

สถานีบ้านบางกะโด

(สถานีที่ตรวจวัด : วัดบางกะโด)

MONTHLY REPORT  
AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co., Ltd.

MONTH : December

MONITORING STATION : Wat Bang Gado

YEAR : 2022

Date	Concentration					
	TSP (µg/m³)		PM-10 (µg/m³)		SO <sub>2</sub> (ppb)	
	24 Hr. Avg.	24 Hr. Avg.	24 Hr. Avg.	24 Hr. Avg.	5 Hr. Avg.	5 Hr. Avg.
1 Dec 22	50	55	2	2 - 3	1 - 15	10 - 65
2 Dec 22	44	24	2	2 - 4	1 - 7	30 - 56
3 Dec 22	52	32	3	2 - 3	2 - 12	16 - 70
4 Dec 22	61	41	3	2 - 3	3 - 13	14 - 88
5 Dec 22	61	44	3	2 - 3	3 - 11	10 - 80
6 Dec 22	55	36	3	2 - 4	3 - 10	12 - 84
7 Dec 22	58	39	3	2 - 5	3 - 11	10 - 80
8 Dec 22	66	44	3	2 - 4	2 - 23	9 - 71
9 Dec 22	65	48	3	2 - 4	2 - 14	18 - 76
10 Dec 22	N/A	N/A	N/A	2 - 4	3 - 9	18 - 76
11 Dec 22	N/A	N/A	N/A	N/A	N/A	N/A
12 Dec 22	N/A	N/A	N/A	N/A	N/A	N/A
13 Dec 22	N/A	N/A	N/A	3 - 4	4 - 15	25 - 78
14 Dec 22	92	68	3	3 - 4	5 - 17	20 - 85
15 Dec 22	91	75	3	3 - 4	4 - 16	18 - 96
16 Dec 22	87	70	3	2 - 4	3 - 19	25 - 87
17 Dec 22	77	61	3	3 - 4	4 - 9	33 - 81
18 Dec 22	82	62	4	3 - 5	5 - 13	41 - 86
19 Dec 22	75	58	3	3 - 5	5 - 23	34 - 77
20 Dec 22	86	69	4	3 - 4	5 - 22	25 - 87
21 Dec 22	89	67	3	2 - 4	5 - 29	7 - 87
22 Dec 22	82	64	2	2 - 3	3 - 14	17 - 81
23 Dec 22	87	64	2	1 - 4	5 - 16	14 - 121*
24 Dec 22	99	79	2	1 - 4	6 - 20	3 - 102*
25 Dec 22	100	81	2	1 - 3	5 - 24	7 - 84
26 Dec 22	65	75	2	2 - 5	4 - 27	6 - 82
27 Dec 22	105	80	2	2 - 4	4 - 27	4 - 83
28 Dec 22	122	71	2	1 - 5	5 - 25	5 - 79
29 Dec 22	88	71	2	1 - 6	6 - 24	4 - 71
30 Dec 22	79	65	2	2 - 3	4 - 18	10 - 80
31 Dec 22	45	52	2	2 - 9	3 - 11	23 - 75
Avg	68 - 145	24 - 81	2 - 4	1 - 9	1 - 29	3 - 121*
Number of times exceeded standard	0	0	0	0	0	2
Total	27	27	27	27	29	29
Monitoring Hour	643	643	620	620	643	643
Ambient Air Quality Standard	330	120	120	300	170	300

Remarks :- 31 Standards = Ambient Air Quality Standards of the National Environment Board  
27 TSP = Total Suspended Particulate  
31 PM-10 = Particulate Matter less than 10 µm  
41 SO<sub>2</sub> = Sulfur Dioxide  
51 NO<sub>2</sub> = Nitrogen Dioxide  
71 \* = Exceeding air quality standard  
81 - = Not Measurement

MONTHLY REPORT  
METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co., Ltd.

Month : December

MONITORING STATION : Wat Bang Gado

YEAR : 2022

Date	Temperature ( °C )			Relative Humidity ( % )			Pressure ( mb )			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Dec 22	23.5	32.4	27.7	58	100	87	1,007	1,013	1,010	0.0
2 Dec 22	23.8	30.6	27.3	68	100	90	1,008	1,012	1,010	0.0
3 Dec 22	23.6	30.8	26.7	47	100	82	1,008	1,012	1,010	0.0
4 Dec 22	24.2	31.9	27.7	41	100	74	1,007	1,013	1,010	0.0
5 Dec 22	25.0	31.4	27.7	49	100	81	1,009	1,013	1,011	0.4
6 Dec 22	25.2	31.2	27.7	42	100	78	1,008	1,013	1,011	0.2
7 Dec 22	24.7	31.2	27.3	16	87	49	1,008	1,013	1,011	0.0
8 Dec 22	23.4	31.1	27.2	17	100	69	1,009	1,012	1,011	0.0
9 Dec 22	24.6	32.2	27.7	50	100	76	1,008	1,012	1,010	0.0
10 Dec 22	23.2	31.8	25.9	56	100	90	1,009	1,012	1,011	0.0
11 Dec 22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
12 Dec 22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
13 Dec 22	N/A	N/A	N/A	N/A	N/A	N/A	1,011	1,014	1,013	0.0
14 Dec 22	N/A	N/A	N/A	N/A	N/A	N/A	1,011	1,016	1,014	0.0
15 Dec 22	N/A	N/A	N/A	N/A	N/A	N/A	1,008	1,015	1,012	0.0
16 Dec 22	N/A	N/A	N/A	N/A	N/A	N/A	1,007	1,013	1,010	0.0
17 Dec 22	N/A	N/A	N/A	N/A	N/A	N/A	1,009	1,014	1,011	0.0
18 Dec 22	N/A	N/A	N/A	N/A	N/A	N/A	1,011	1,017	1,014	0.0
19 Dec 22	N/A	N/A	N/A	N/A	N/A	N/A	1,011	1,017	1,014	0.0
20 Dec 22	N/A	N/A	N/A	N/A	N/A	N/A	1,009	1,015	1,012	0.0
21 Dec 22	N/A	N/A	N/A	N/A	N/A	N/A	1,008	1,014	1,011	0.0
22 Dec 22	N/A	N/A	N/A	N/A	N/A	N/A	1,008	1,013	1,011	0.0
23 Dec 22	N/A	N/A	N/A	N/A	N/A	N/A	1,008	1,013	1,011	0.0
24 Dec 22	N/A	N/A	N/A	N/A	N/A	N/A	1,011	1,015	1,013	0.0
25 Dec 22	21.3	22.9	22.1	49	100	87	1,013	1,017	1,015	0.0
26 Dec 22	18.6	28.7	23.1	34	100	77	1,014	1,018	1,016	0.0
27 Dec 22	18.8	30.5	23.9	38	100	76	1,013	1,018	1,015	0.0
28 Dec 22	18.6	30.8	23.8	39	100	79	1,012	1,018	1,015	0.0
29 Dec 22	18.7	30.7	24.4	38	100	75	1,013	1,018	1,016	0.0
30 Dec 22	20.3	29.7	24.5	50	100	80	1,014	1,019	1,016	0.0
31 Dec 22	19.8	28.6	23.8	52	100	80	1,014	1,019	1,016	0.0
Total	18.6	32.4	25.8	16	100	78	1,007	1,019	1,012	0.6
Day	31			31			31			31
Hours	746			746			746			746

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

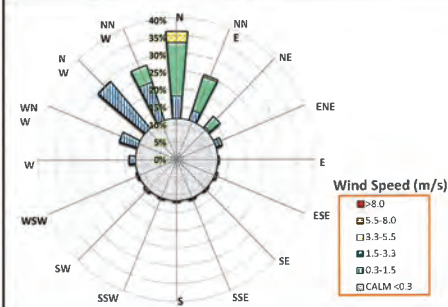




บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co.,Ltd.

Date/Month/Year : 1-31/December/2022

STATION : Wat Bang Gade



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	6.44%	15.42%	3.14%	0.00%	0.00%
NNE	2.99%	10.19%	0.60%	0.00%	0.00%
NE	0.60%	3.74%	0.00%	0.00%	0.00%
ENE	1.05%	0.75%	0.00%	0.00%	0.00%
E	0.30%	0.00%	0.00%	0.00%	0.00%
ESE	0.45%	0.00%	0.00%	0.00%	0.00%
SE	0.15%	0.00%	0.00%	0.00%	0.00%
SSE	0.15%	0.00%	0.00%	0.00%	0.00%
S	0.00%	0.00%	0.00%	0.00%	0.00%
SSW	0.00%	0.00%	0.00%	0.00%	0.00%
SW	0.45%	0.00%	0.00%	0.00%	0.00%
WSW	0.30%	0.00%	0.00%	0.00%	0.00%
W	1.80%	0.00%	0.00%	0.00%	0.00%
WNW	5.39%	0.00%	0.00%	0.00%	0.00%
NW	17.51%	0.15%	0.00%	0.00%	0.00%
NNW	11.53%	5.09%	0.00%	0.00%	0.00%
ALL	49.10%	35.33%	3.74%	0.00%	0.00%
No. of Monitored Hours	744	Hours	No. of Calm	79	Hours
No. of Monitored Days	31	Days	Calm (%)	11.83%	
Missing Data	76	Hours	Average Wind Speed	1.27	m/s
No. of Valid Data	668	Hours	Maximum Wind Speed	4.20	m/s
Wind Rose by : Air Quality and Noise Section : 2020/05			Prevailing Wind Direction : N		

สถานีบ้านคลองเต

(สถานที่ตรวจวัด : วัดโพธิ์ราษฎร์บูรณะ)



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co.,Ltd.

MONTHLY REPORT

AMBIENT AIR QUALITY MONITORING RESULT

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

MONTH : December  
YEAR : 2022

Date	Concentration					
	TSP (µg/m³)	PM-10 (µg/m³)	SO <sub>2</sub> (ppb)	NO <sub>2</sub> (ppb)	O <sub>3</sub> (ppb)	
	24-Hr Avg	24-Hr Avg	24-Hr Avg	1-Hr Avg	1-Hr Avg	1-Hr Avg
1 Dec 22	41	31	2	2 - 3	3 - 21	3 - 54
2 Dec 22	42	34	2	1 - 2	4 - 13	13 - 47
3 Dec 22	40	33	2	2 - 3	5 - 18	13 - 64
4 Dec 22	49	40	2	2 - 3	6 - 26	4 - 75
5 Dec 22	53	43	3	2 - 5	6 - 12	5 - 76
6 Dec 22	71	54	3	2 - 4	7 - 14	3 - 67
7 Dec 22	74	63	3	2 - 4	6 - 16	5 - 66
8 Dec 22	65	53	2	1 - 3	5 - 23	8 - 62
9 Dec 22	60	48	2	2 - 4	4 - 16	15 - 64
10 Dec 22	51	43	2	2 - 4	4 - 19	4 - 66
11 Dec 22	59	47	3	2 - 5	4 - 16	1 - 91
12 Dec 22	107	82	3	2 - 6	7 - 35	6 - 88
13 Dec 22	99	81	3	2 - 4	7 - 17	3 - 64
14 Dec 22	109	87	3	2 - 5	6 - 23	14 - 78
15 Dec 22	91	83	3	2 - 6	6 - 26	15 - 77
16 Dec 22	81	69	3	2 - 4	5 - 22	19 - 73
17 Dec 22	81	72	3	3 - 4	4 - 14	15 - 70
18 Dec 22	109	86	4	3 - 5	5 - 15	32 - 73
19 Dec 22	66	59	4	3 - 5	5 - 18	27 - 63
20 Dec 22	69	63	4	3 - 5	6 - 19	24 - 72
21 Dec 22	73	67	3	2 - 4	5 - 26	12 - 71
22 Dec 22	69	62	4	2 - 5	6 - 22	8 - 72
23 Dec 22	75	67	4	3 - 6	5 - 23	7 - 115*
24 Dec 22	88	83	3	2 - 4	7 - 29	2 - 96
25 Dec 22	85	74	3	2 - 5	5 - 24	3 - 73
26 Dec 22	78	75	3	2 - 6	5 - 24	1 - 67
27 Dec 22	69	67	4	2 - 8	7 - 33	3 - 76
28 Dec 22	65	64	4	2 - 6	7 - 34	3 - 70
29 Dec 22	113	72	4	3 - 6	6 - 22	1 - 62
30 Dec 22	N/A	58	4	2 - 6	5 - 18	11 - 72
31 Dec 22	N/A	48	3	2 - 4	5 - 16	24 - 70
Range	40 - 113	31 - 87	2 - 4	1 - 8	3 - 34	1 - 115*
Number of Times Exceeded Standard	0	0	0	0	0	1
Total	29	31	31	31	31	31
Monitoring Hour	893	739	712	712	711	711
Ambient Air Quality Standard	120	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<sub>2</sub> : Sulfur Dioxide  
5) NO<sub>2</sub> : 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 : December

MONITORING STATION : Ban Klong Klae

YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain Gauge Sum. (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Dec 22	23.8	32.0	27.7	58	99	85	1,006	1,012	1,009	0.0
2 Dec 22	24.3	30.8	26.9	64	100	89	1,006	1,011	1,009	10.2
3 Dec 22	24.0	31.0	26.8	54	99	81	1,007	1,011	1,009	0.2
4 Dec 22	24.6	31.5	27.6	54	99	84	1,006	1,011	1,009	0.0
5 Dec 22	25.0	31.3	27.8	60	99	85	1,007	1,012	1,010	0.0
6 Dec 22	25.1	31.0	27.4	57	99	80	1,007	1,012	1,009	0.0
7 Dec 22	25.1	31.3	27.5	52	98	75	1,007	1,012	1,010	0.0
8 Dec 22	24.1	31.8	27.3	52	99	78	1,008	1,012	1,010	0.0
9 Dec 22	25.0	32.2	27.9	49	98	76	1,007	1,011	1,009	0.0
10 Dec 22	23.3	32.6	27.7	46	99	77	1,006	1,012	1,009	0.0
11 Dec 22	23.1	33.1	27.8	42	99	78	1,007	1,013	1,010	0.0
12 Dec 22	22.5	32.4	27.0	41	99	76	1,008	1,012	1,010	0.0
13 Dec 22	22.1	28.4	24.5	52	99	78	1,010	1,014	1,012	0.0
14 Dec 22	19.4	27.2	23.0	43	99	68	1,010	1,015	1,013	0.0
15 Dec 22	18.5	29.0	23.4	44	83	64	1,008	1,014	1,011	0.0
16 Dec 22	19.7	30.3	24.7	44	98	68	1,007	1,012	1,009	0.0
17 Dec 22	21.5	29.6	25.4	54	97	71	1,008	1,013	1,010	0.0
18 Dec 22	20.9	25.6	23.2	41	63	52	1,011	1,016	1,013	0.0
19 Dec 22	18.5	25.0	21.5	43	64	53	1,010	1,016	1,013	0.0
20 Dec 22	18.2	28.2	22.8	38	71	56	1,008	1,014	1,011	0.0
21 Dec 22	19.1	29.5	24.1	39	89	62	1,007	1,013	1,010	0.0
22 Dec 22	20.1	31.8	25.1	42	93	67	1,007	1,012	1,010	0.0
23 Dec 22	19.3	32.3	25.5	42	99	76	1,007	1,012	1,010	0.0
24 Dec 22	20.8	30.2	24.8	41	99	74	1,010	1,014	1,012	0.0
25 Dec 22	19.9	29.0	23.9	43	99	75	1,012	1,016	1,014	0.0
26 Dec 22	19.2	28.8	23.5	39	99	74	1,013	1,017	1,015	0.0
27 Dec 22	19.3	29.8	23.8	36	99	72	1,012	1,017	1,015	0.0
28 Dec 22	18.5	31.0	23.8	36	99	76	1,012	1,017	1,014	0.0
29 Dec 22	18.6	30.8	24.2	34	99	71	1,012	1,017	1,015	0.0
30 Dec 22	20.3	29.4	24.5	47	85	67	1,013	1,018	1,016	0.0
31 Dec 22	20.1	28.9	24.1	48	96	70	1,013	1,018	1,015	0.0
Total	18.2	33.1	25.3	34	100	73	1,006	1,018	1,011	10.4
Day	31			31			31			31
Hours	744			744			744			744

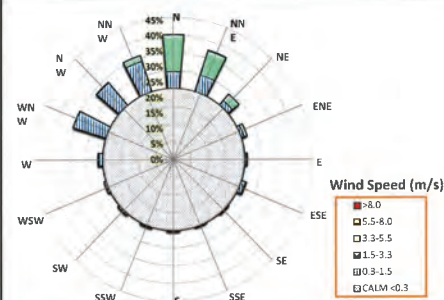
Remarks : P = Power Fail, F = Equipment Fail, N/A = Data not Available



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co.,Ltd.

Date/Month/Year : 1-31/December/2022

STATION : Ban Klong Klao



Wind Speed (m/s)					
Wind Sector	<0.3	0.3-0.5	0.5-0.5	0.5-8.0	>8.0
N	5.36%	11.96%	0.00%	0.00%	0.00%
NNE	5.65%	8.20%	0.13%	0.00%	0.00%
NE	1.88%	2.69%	0.00%	0.00%	0.00%
ENE	0.94%	0.94%	0.00%	0.00%	0.00%
E	0.54%	0.27%	0.00%	0.00%	0.00%
ESE	1.34%	0.27%	0.00%	0.00%	0.00%
SE	0.27%	0.00%	0.00%	0.00%	0.00%
SSE	0.13%	0.00%	0.00%	0.00%	0.00%
S	0.40%	0.00%	0.00%	0.00%	0.00%
SSW	0.40%	0.00%	0.00%	0.00%	0.00%
SW	0.54%	0.00%	0.00%	0.00%	0.00%
WSW	0.54%	0.00%	0.00%	0.00%	0.00%
W	1.34%	0.13%	0.00%	0.00%	0.00%
WNW	11.16%	0.00%	0.00%	0.00%	0.00%
NW	9.54%	0.13%	0.00%	0.00%	0.00%
NNW	10.35%	1.88%	0.00%	0.00%	0.00%
ALL	50.40%	26.48%	0.13%	0.00%	0.00%
No. of Monitored Hours	744	Hours	No. of Calm	171	Hours
No. of Monitored Days	31	Days	Calm (%)	22.99%	
Missing Data	0	Hours	Average Wind Speed	0.99	m/s
No. of Valid Data	744	Hours	Maximum Wind Speed	3.40	m/s
Wind Rose by Air Quality and Noise Section : 2020/03			Prevailing Wind Direction		
			N		

สถานีบ้านขาวเหนือ

(สถานที่ตรวจวัด : บ้านขาวเหนือ)



บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co.,Ltd.

MONTHLY REPORT

AMBIENT AIR QUALITY MONITORING RESULT

PROJECT : Ratchaburi Electricity Generating Co.,Ltd.

MONTH : December

MONITORING STATION : Ban Chao Nua

YEAR : 2022

Date	Concentration					
	TSP ( $\mu\text{g}/\text{m}^3$ )		PM-10 ( $\mu\text{g}/\text{m}^3$ )		SO <sub>2</sub> (ppb)	
	24-Hr Avg	24-Hr Avg	24-Hr Avg	1-Hr Avg	1-Hr Avg	1-Hr Avg
1 Dec 22	41	26	2	2 - 6	0 - 8	13 - 56
2 Dec 22	30	19	2	2 - 2	0 - 4	20 - 50
3 Dec 22	42	24	2	2 - 2	0 - 7	16 - 64
4 Dec 22	48	30	2	2 - 3	0 - 9	15 - 75
5 Dec 22	47	30	2	2 - 2	0 - 6	10 - 70
6 Dec 22	39	27	2	2 - 3	0 - 6	12 - 78
7 Dec 22	44	29	3	2 - 4	0 - 7	20 - 75
8 Dec 22	50	31	2	1 - 3	1 - 19	21 - 68
9 Dec 22	52	37	1	1 - 3	1 - 10	25 - 67
10 Dec 22	42	27	1	1 - 3	0 - 9	20 - 72
11 Dec 22	48	33	1	0 - 2	1 - 14	18 - 89
12 Dec 22	61	42	1	0 - 3	3 - 9	17 - 86
13 Dec 22	64	45	1	1 - 2	2 - 9	17 - 88
14 Dec 22	73	51	1	1 - 2	3 - 10	23 - 76
15 Dec 22	75	54	1	1 - 2	2 - 12	24 - 90
16 Dec 22	89	50	1	1 - 2	1 - 12	29 - 82
17 Dec 22	66	50	1	1 - 2	2 - 8	35 - 76
18 Dec 22	69	48	1	1 - 2	3 - 11	42 - 77
19 Dec 22	63	46	1	1 - 2	3 - 13	39 - 69
20 Dec 22	70	50	1	1 - 2	3 - 12	34 - 76
21 Dec 22	80	53	1	1 - 3	2 - 11	25 - 67
22 Dec 22	66	47	1	1 - 2	1 - 18	8 - 73
23 Dec 22	71	51	1	1 - 2	4 - 13	10 - 121*
24 Dec 22	74	55	1	1 - 2	4 - 15	8 - 93
25 Dec 22	70	50	1	1 - 2	3 - 14	11 - 76
26 Dec 22	73	54	1	1 - 3	2 - 14	11 - 73
27 Dec 22	73	52	1	1 - 4	2 - 18	13 - 76
28 Dec 22	70	51	1	1 - 2	2 - 17	9 - 66
29 Dec 22	65	48	1	1 - 3	1 - 13	12 - 60
30 Dec 22	59	43	1	1 - 2	2 - 13	11 - 64
31 Dec 22	53	38	1	1 - 2	1 - 10	16 - 58
Range	30 - 80	19 - 55	1 - 3	0 - 6	0 - 19	8 - 121*
Number of times exceeded standard	0	0	0	0	0	1
Total	31	31	31	31	31	31
Monitoring Hour	744	744	709	709	709	709
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  $\mu\text{m}$   
4) SO<sub>2</sub> : Sulfur Dioxide  
5) NO<sub>2</sub> : 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 : December

MONITORING STATION : Ban Chao Nua

YEAR : 2022

Date	Temperature (°C)		Relative Humidity (%)		Pressure (mmHg)		Rain Gauge	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1 Dec 22	23.7	31.8	27.4	62	99	90	1,005	1,010
2 Dec 22	23.4	30.1	27.0	75	99	90	1,005	1,009
3 Dec 22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4 Dec 22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5 Dec 22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6 Dec 22	25.2	30.6	28.2	62	98	74	1,005	1,009
7 Dec 22	24.8	30.9	27.0	57	99	82	1,006	1,010
8 Dec 22	23.6	30.7	26.7	59	99	86	1,006	1,010
9 Dec 22	24.7	31.9	27.4	53	99	83	1,006	1,010
10 Dec 22	23.4	32.2	27.2	51	99	82	1,005	1,010
11 Dec 22	23.0	32.9	27.2	44	99	81	1,006	1,011
12 Dec 22	22.2	31.8	26.5	43	99	80	1,007	1,011
13 Dec 22	21.3	27.4	23.8	58	99	84	1,009	1,012
14 Dec 22	19.3	27.1	22.5	45	99	75	1,009	1,013
15 Dec 22	18.3	28.4	22.8	47	98	76	1,006	1,012
16 Dec 22	19.0	30.0	24.0	46	99	78	1,005	1,011
17 Dec 22	21.4	29.6	25.3	60	96	76	1,007	1,011
18 Dec 22	20.7	25.6	23.0	43	64	54	1,009	1,015
19 Dec 22	19.0	24.9	21.3	45	77	56	1,008	1,014
20 Dec 22	18.1	27.8	22.3	41	95	64	1,006	1,012
21 Dec 22	18.3	29.1	23.2	44	99	75	1,006	1,011
22 Dec 22	19.3	30.5	24.2	46	99	77	1,006	1,011
23 Dec 22	19.3	31.6	24.9	45	99	80	1,006	1,010
24 Dec 22	19.8	29.7	24.1	44	100	80	1,008	1,013
25 Dec 22	18.9	28.5	23.1	47	99	81	1,010	1,013
26 Dec 22	18.4	28.6	22.9	41	99	77	1,011	1,013
27 Dec 22	18.3	29.8	23.2	37	99	77	1,010	1,013
28 Dec 22	18.0	30.4	23.2	39	99	78	1,010	1,013
29 Dec 22	18.3	30.5	23.9	36	99	73	1,011	1,013
30 Dec 22	20.1	29.2	24.0	50	99	77	1,012	1,017
31 Dec 22	19.8	28.3	23.4	52	99	79	1,011	1,017
Total	22.3	32.7	26.7	58	53	77	1,005	1,010
Day	28	28	28	28	28	28	28	28
Hours	654	654	654	654	654	654	654	654

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

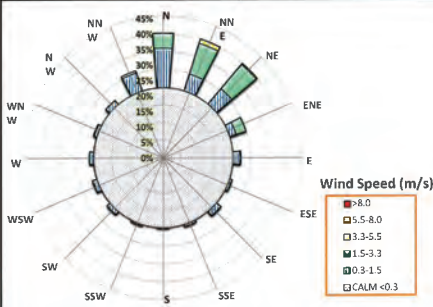




บริษัท ผลิตไฟฟ้าราชบุรี จำกัด  
Ratchaburi Electricity Generating Co., Ltd.

Date/Month/Year : 1-31/December/2022

STATION : Ban Chan Nua



Wind Speed (m/s)					
Wind Sector	<0.3	1.5-3.3	3.3-5.5	5.5-8.0	>8.0
N	12.84%	4.74%	0.15%	0.00%	0.00%
NNE	5.81%	10.40%	1.38%	0.00%	0.00%
NE	6.57%	10.24%	0.31%	0.00%	0.00%
ENE	2.29%	3.21%	0.00%	0.00%	0.00%
E	2.29%	0.15%	0.00%	0.00%	0.00%
ESE	0.76%	0.00%	0.00%	0.00%	0.00%
SE	1.83%	0.00%	0.00%	0.00%	0.00%
SSE	0.61%	0.00%	0.00%	0.00%	0.00%
S	0.00%	0.00%	0.00%	0.00%	0.00%
SSW	0.31%	0.00%	0.00%	0.00%	0.00%
SW	1.22%	0.00%	0.00%	0.00%	0.00%
WSW	1.38%	0.00%	0.00%	0.00%	0.00%
W	1.22%	0.00%	0.00%	0.00%	0.00%
WNW	0.92%	0.15%	0.00%	0.00%	0.00%
NW	1.68%	0.00%	0.00%	0.00%	0.00%
NNW	6.21%	0.61%	0.00%	0.00%	0.00%
ALL	44.02%	29.51%	1.83%	0.00%	0.00%
77.37%					
No. of Monitored Hours	744	Hours	No. of Calm	146	Hours
No. of Monitored Days	31	Days	Calm (%)	22.63%	
Missing Data	90	Hours	Average Wind Speed	1.08	m/s
No. of Valid Data	654	Hours	Maximum Wind Speed	3.80	m/s
Wind Rose by : Air Quality and Noise Section : 2020/05			Prevailing Wind Direction		
			N		

สถานีเทศบาลตำบลคอนทราย



บริษัท ราชบุรีพาวเวอร์ 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 : 2022

Date	SO <sub>2</sub> (ppb)		NO <sub>x</sub> (ppb)		O <sub>3</sub> (ppb)		O <sub>3</sub> (%)
	24-Hr. Avg.	1-Hr. Avg.	24-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	1-Hr. Avg.	
1 Dec 22	1	0 - 2	13	7 - 27	4 - 30	N/A	
2 Dec 22	0	0 - 1	11	7 - 17	7 - 27	N/A	
3 Dec 22	2	1 - 3	12	8 - 20	6 - 34	N/A	
4 Dec 22	1	0 - 2	13	8 - 22	5 - 53	N/A	
5 Dec 22	1	0 - 2	12	8 - 16	5 - 45	N/A	
6 Dec 22	1	1 - 2	16	10 - 21	4 - 48	N/A	
7 Dec 22	1	1 - 2	15	8 - 28	5 - 57	N/A	
8 Dec 22	3	2 - 5	15	9 - 32	4 - 56	N/A	
9 Dec 22	1	0 - 4	13	8 - 27	6 - 57	N/A	
10 Dec 22	3	2 - 5	16	8 - 32	3 - 64	N/A	
11 Dec 22	0	0 - 3	11	7 - 20	4 - 77	N/A	
12 Dec 22	2	1 - 3	13	9 - 21	7 - 95	N/A	
13 Dec 22	3	2 - 3	16	10 - 24	3 - 71	N/A	
14 Dec 22	1	0 - 2	16	10 - 27	10 - 88	N/A	
15 Dec 22	4	3 - 5	17	9 - 25	9 - 87	N/A	
16 Dec 22	3	2 - 4	17	9 - 29	14 - 83	N/A	
17 Dec 22	3	3 - 4	16	9 - 25	20 - 72	N/A	
18 Dec 22	1	1 - 2	12	9 - 20	38 - 85	N/A	
19 Dec 22	2	1 - 2	13	9 - 27	25 - 74	N/A	
20 Dec 22	3	1 - 3	19	8 - 36	11 - 86	N/A	
21 Dec 22	2	1 - 3	18	9 - 34	15 - 82	N/A	
22 Dec 22	0	0 - 2	17	9 - 32	11 - 80	N/A	
23 Dec 22	1	0 - 3	16	6 - 36	3 - 119*	N/A	
24 Dec 22	1	0 - 2	17	7 - 28	3 - 108*	N/A	
25 Dec 22	2	0 - 5	14	6 - 29	5 - 89	N/A	
26 Dec 22	0	0 - 3	16	5 - 34	5 - 85	N/A	
27 Dec 22	2	0 - 5	16	4 - 39	3 - 93	N/A	
28 Dec 22	1	0 - 5	14	3 - 29	4 - 86	N/A	
29 Dec 22	2	0 - 3	14	3 - 30	3 - 79	N/A	
30 Dec 22	1	0 - 3	9	4 - 21	5 - 86	N/A	
31 Dec 22	3	1 - 6	9	3 - 19	18 - 83	N/A	
Range	0 - 4	0 - 6	9 - 19	3 - 39	3 - 119*		
Number of times exceeded standard	0	0	0	0	2		
Total Day	31	31	31	31	31		
Monitoring Hour	744	744	739	739	741		
Ambient Air Quality Standard	120	300	-	170	100		

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



บริษัท ราชบุรีพาวเวอร์ 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 : 2022

Date	Concentration (24-Hr Avg)				
	TSP (µg/m <sup>3</sup> )		PM <sub>10</sub> (µg/m <sup>3</sup> )		PM <sub>2.5</sub> (µg/m <sup>3</sup> )
	Micro balance	Hi volume	Micro balance	Hi volume	Micro balance
1 Dec 22	N/A		33		19
2 Dec 22	N/A		26		15
3 Dec 22	N/A		33		19
4 Dec 22	N/A	43	41	N/A	27
5 Dec 22	N/A		40		25
6 Dec 22	N/A		37		23
7 Dec 22	N/A		44		28
8 Dec 22	N/A		49		34
9 Dec 22	N/A		42		29
10 Dec 22	N/A	49	43	N/A	30
11 Dec 22	N/A		42		31
12 Dec 22	N/A		56		40
13 Dec 22	N/A		64		42
14 Dec 22	N/A		66		41
15 Dec 22	N/A		69		45
16 Dec 22	N/A	87	70	N/A	48
17 Dec 22	N/A		58		37
18 Dec 22	N/A		61		28
19 Dec 22	N/A		57		32
20 Dec 22	N/A		69		43
21 Dec 22	N/A		65		43
22 Dec 22	N/A	79	65	N/A	44
23 Dec 22	N/A		72		53*
24 Dec 22	N/A		88		64*
25 Dec 22	N/A		81		55*
26 Dec 22	N/A		66		44
27 Dec 22	N/A		80		55*
28 Dec 22	N/A	96	79	N/A	56*
29 Dec 22	N/A		68		48
30 Dec 22	N/A		54		37
31 Dec 22	N/A		55		41
Range		49 - 96	28 - 68		13 - 64*
Number of times exceeded standard		0	0		5
Total Day		31	31		31
Monitoring Hour		120	744		744
Ambient Air Quality Standard		330	120		50

Remark : 1) Standards = Ambient Air Quality Standards of the National Environment Board  
2) TSP = Total Suspended Particulate  
3) PM<sub>10</sub> = Particulate Matter less than 10 µm





บริษัท ราชบุรีเอนเนอร์จี้ จำกัด  
Ratchaburi Power Co.,Ltd.

MONTHLY REPORT

METEOROLOGY MONITORING RESULT

PROJECT : Ratchaburi Power Co.,Ltd.

Month : December

MONITORING STATION : Donsai Sub-district

YEAR : 2022

Date	Temperature (°C)			Relative Humidity (%)			Pressure (mb)			Rain (mm)
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
1 Dec 22	24.5	33.9	28.5	64	99	86	1,005	1,013	1,009	0.0
2 Dec 22	24.7	32.1	28.2	71	95	85	1,005	1,011	1,008	0.0
3 Dec 22	24.7	32.3	27.9	62	96	81	1,006	1,012	1,008	0.0
4 Dec 22	25.2	33.5	28.6	62	95	81	1,005	1,012	1,009	0.0
5 Dec 22	26.0	32.8	28.7	66	97	84	1,007	1,013	1,010	0.6
6 Dec 22	26.1	32.5	28.7	63	94	79	1,006	1,013	1,009	0.0
7 Dec 22	25.8	33.1	28.6	58	91	77	1,006	1,012	1,009	0.0
8 Dec 22	24.7	32.9	28.2	59	91	79	1,007	1,012	1,009	0.0
9 Dec 22	25.5	34.1	28.9	55	91	77	1,006	1,012	1,009	0.0
10 Dec 22	24.4	35.0	28.7	52	94	78	1,005	1,012	1,008	0.0
11 Dec 22	24.1	36.2	29.0	45	97	77	1,006	1,014	1,009	0.0
12 Dec 22	23.4	34.2	28.3	49	95	75	1,008	1,013	1,010	0.0
13 Dec 22	22.8	29.6	25.4	60	96	80	1,010	1,015	1,012	0.0
14 Dec 22	20.3	29.2	24.1	50	89	71	1,011	1,016	1,013	0.0
15 Dec 22	19.3	30.9	24.5	52	85	71	1,007	1,014	1,010	0.0
16 Dec 22	20.4	32.3	25.8	51	92	73	1,005	1,013	1,008	0.0
17 Dec 22	22.3	31.5	26.5	61	86	75	1,007	1,013	1,010	0.0
18 Dec 22	21.5	27.3	24.1	50	71	61	1,010	1,018	1,014	0.0
19 Dec 22	19.5	27.1	22.7	50	76	62	1,009	1,017	1,013	0.0
20 Dec 22	19.1	30.4	24.0	47	81	66	1,007	1,015	1,010	0.0
21 Dec 22	19.7	31.4	25.1	48	88	71	1,006	1,013	1,009	0.0
22 Dec 22	20.6	32.9	25.9	49	91	73	1,006	1,013	1,009	0.0
23 Dec 22	20.3	34.2	26.6	50	97	77	1,006	1,013	1,009	0.0
24 Dec 22	21.6	32.1	26.1	49	98	76	1,010	1,016	1,012	0.0
25 Dec 22	20.4	30.5	24.8	54	96	77	1,012	1,019	1,015	0.0
26 Dec 22	19.8	30.7	24.5	48	93	74	1,014	1,020	1,016	0.8
27 Dec 22	19.5	32.2	24.9	46	93	74	1,013	1,019	1,015	0.0
28 Dec 22	19.3	32.7	24.7	47	93	76	1,012	1,019	1,015	0.0
29 Dec 22	19.3	32.2	25.2	46	95	73	1,013	1,020	1,016	0.0
30 Dec 22	21.1	31.5	25.7	55	86	73	1,015	1,021	1,017	0.0
31 Dec 22	20.9	30.8	25.1	56	88	74	1,014	1,022	1,017	0.0
Total	19.1	35.0	26.4	53	99	75	1,010	1,022	1,011	1.4
Day	31			31			31			31
Hours	744			744			744			742

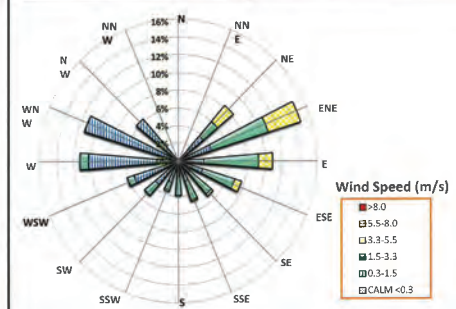
Remarks : P = Power Fail, F = Equipment Fail, N/A = Data not Available



บริษัท ราชบุรีเอนเนอร์จี้ จำกัด  
Ratchaburi Power Co.,Ltd.

Date/Month/Year : 1-31/December/2022

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	ALL
N	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
NNE	0.27%	0.00%	0.00%	0.00%	0.00%	0.27%
NE	3.76%	2.15%	2.42%	0.00%	0.00%	8.33%
ENE	4.03%	6.85%	3.90%	0.00%	0.00%	14.78%
E	2.96%	6.32%	1.61%	0.00%	0.00%	10.89%
ESE	2.96%	3.90%	0.81%	0.00%	0.00%	7.66%
SE	1.75%	3.23%	0.27%	0.00%	0.00%	5.24%
SSE	2.42%	2.28%	0.13%	0.00%	0.00%	4.84%
S	1.75%	2.15%	0.00%	0.00%	0.00%	3.90%
SSW	2.55%	0.94%	0.13%	0.00%	0.00%	3.63%
SW	3.49%	1.61%	0.00%	0.00%	0.00%	5.11%
WSW	5.38%	0.81%	0.00%	0.00%	0.00%	6.18%
W	10.35%	0.94%	0.00%	0.00%	0.00%	11.29%
WNW	11.29%	0.00%	0.00%	0.00%	0.00%	11.29%
NNW	6.32%	0.00%	0.00%	0.00%	0.00%	6.32%
NNW	0.27%	0.00%	0.00%	0.00%	0.00%	0.27%
	59.54%	31.18%	9.27%	0.00%	0.00%	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	1.50	m/s	
No. of Valid Data	744	Hours	Maximum Wind Speed	5.50	m/s	
Wind Rose by : Air Quality and Noise Section				2023/05	Prevailing Wind Direction	ENE