ภาคผนวก ค
ใบรับรองผลการตรวจวิเคราะห์

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595685
Date Received :Oct 22, 2025
Date Reported :Nov 03, 2025
Report Number :3427500-1

Sample Number 2595685-1
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 11
Measurement Date Oct 22, 2025

Stack Description

Ambient Temperature	32.2 °C	Diameter	3.00 m	Oxygen	14.01 %
Ambient Pressure	756.8 mmHg	Shape	Circle	Carbon dioxide	3.98 %
Type of Process	Combustion	Stack Temperature	114 °C	Gas Velocity	15.28 m/s
Type of Fuel	Natural Gas	Moisture	7.44 %	Flow Rate	275976 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O_2	at 7% O_2	at Actual O_2	at 7% O_2
1	01:20 PM - 01:40 PM	14.02	3.98	23.27	46.99	0.06	0.12
2	01:41 PM - 02:01 PM	14.02	3.98	23.16	46.76	0.06	0.11
3	02:02 PM - 02:22 PM	14.00	3.99	22.94	46.22	0.07	0.14
Average (ppm)		14.01	3.98	23.13	46.66	0.06	0.13
Guideline[1] (ppm)				-	60	-	6
Guideline[2] (ppm)				-	120	-	20
Result (mg/Nm^3)				43.51	87.78	0.16	0.32
Emission Rate at Actual O_2 (g/s)				3.3351		0.0123	
Guideline[1] (g/s)				7.4		1.0	
Method				US EPA Method 7E		US EPA Method 6C	

Sampled By : Boonyarith Iamted
Guideline : [1]Environmental Impact Assessment Report of Gulf BL Co., Ltd.
[2]Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management Wichan Choonharat, Manager, ทะเบียนเลขที่ ว-204-ก-0006
Approved by Sarayuth Jittranont, Assistant General Manager, ทะเบียนเลขที่ ว-204-ก-0003

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595685
Date Received :Oct 22, 2025
Date Reported :Nov 03, 2025
Report Number :3427500-1

Sample Number 2595685-1
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 11
Measurement Date Oct 22, 2025

Stack Description

Ambient Temperature	32.2 °C	Diameter	3.00 m	Oxygen	14.01 %
Ambient Pressure	756.8 mmHg	Shape	Circle	Carbon dioxide	3.98 %
Type of Process	Combustion	Stack Temperature	114 °C	Gas Velocity	15.28 m/s
Type of Fuel	Natural Gas	Moisture	7.44 %	Flow Rate	275976 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Carbon Monoxide (ppm)	
				at Actual O_2	At 7% O_2
1	01:20 PM - 01:40 PM	14.02	3.98	0.39	0.79
2	01:41 PM - 02:01 PM	14.02	3.98	0.52	1.05
3	02:02 PM - 02:22 PM	14.00	3.99	0.60	1.22
Average (ppm)		14.01	3.98	0.51	1.02
Guideline (ppm)				-	690
Result (mg/Nm^3)				0.58	1.17
Emission Rate at Actual O_2 (g/s)				0.0444	
Method				US EPA Method 10	

Sampled By : Boonyarith Iamted
Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Technical Management Wichan Choonharat, Manager, ทะเบียนเลขที่ ว-204-ก-0006
Approved by Sarayuth Jittranont, Assistant General Manager, ทะเบียนเลขที่ ว-204-ก-0003

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595686
Date Received :Oct 22, 2025
Date Reported :Nov 03, 2025
Report Number :3427501-1

Sample Number 2595686-1
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Measurement Date Oct 22, 2025

Stack Description

Ambient Temperature	33.5 °C	Diameter	3.00 m	Oxygen	14.12 %
Ambient Pressure	756.8 mmHg	Shape	Circle	Carbon dioxide	3.68 %
Type of Process	Combustion	Stack Temperature	113 °C	Gas Velocity	15.96 m/s
Type of Fuel	Natural Gas	Moisture	9.52 %	Flow Rate	282403 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O_2	at 7% O_2	at Actual O_2	at 7% O_2
1	01:20 PM - 01:40 PM	14.13	3.68	20.11	41.29	0.87	1.79
2	01:41 PM - 02:01 PM	14.12	3.68	19.95	40.91	0.72	1.48
3	02:02 PM - 02:22 PM	14.10	3.68	19.90	40.70	0.82	1.69
Average (ppm)		14.12	3.68	19.99	40.97	0.81	1.65
Guideline[1] (ppm)				-	60	-	6
Guideline[2] (ppm)				-	120	-	20
Result (mg/Nm^3)				37.60	77.07	2.11	4.33
Emission Rate at Actual O_2 (g/s)				2.9496		0.1655	
Guideline[1] (g/s)				7.4		1.0	
Method				US EPA Method 7E		US EPA Method 6C	

Sampled By : Boonyarith Iamted
Guideline : [1]Environmental Impact Assessment Report of Gulf BL Co., Ltd.
[2]Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management Wichan Choonharat, Manager, ทะเบียนเลขที่ ว-204-ก-0006
Approved by Sarayuth Jittranont, Assistant General Manager, ทะเบียนเลขที่ ว-204-ก-0003

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595686
Date Received :Oct 22, 2025
Date Reported :Nov 03, 2025
Report Number :3427501-1

Sample Number 2595686-1
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Measurement Date Oct 22, 2025

Stack Description

Ambient Temperature	33.5 °C	Diameter	3.00 m	Oxygen	14.12 %
Ambient Pressure	756.8 mmHg	Shape	Circle	Carbon dioxide	3.68 %
Type of Process	Combustion	Stack Temperature	113 °C	Gas Velocity	15.96 m/s
Type of Fuel	Natural Gas	Moisture	9.52 %	Flow Rate	282403 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Carbon Monoxide (ppm)	
				at Actual O_2	At 7% O_2
1	01:20 PM - 01:40 PM	14.13	3.68	0.55	1.13
2	01:41 PM - 02:01 PM	14.12	3.68	0.53	1.08
3	02:02 PM - 02:22 PM	14.10	3.68	0.55	1.13
Average (ppm)		14.12	3.68	0.54	1.11
Guideline (ppm)				-	690
Result (mg/Nm^3)				0.62	1.27
Emission Rate at Actual O_2 (g/s)				0.0487	
Method				US EPA Method 10	

Sampled By : Boonyarith Iamted
Guideline : Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Technical Management Wichan Choonharat, Manager, ทะเบียนเลขที่ ว-204-ก-0006
Approved by Sarayuth Jittranont, Assistant General Manager, ทะเบียนเลขที่ ว-204-ก-0003

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595687
Date Received : Oct 22, 2025
Date Reported : Oct 31, 2025
Report Number: 3427502-1

Sample Number	2595687-1
Sampled Date	Oct 22, 2025
Sample Description	Emission from stationary source
Location	ปล่อง HRSG 11
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.0	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	114	°C	Gas Velocity	15.3	m/s
Type of Fuel	Natural Gas		Moisture	7.42	%	Flow Rate (Actual O2)	276371	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 14.0 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	01:30 PM - 02:18 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	U.S. Environmental Protection Agency 40 CFR method 1-5, Appendix A, 2020 (Include sampling)	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595687
Date Received : Oct 22, 2025
Date Reported : Oct 31, 2025
Report Number: 3427502-1

Sample Number	2595687-1
Sampled Date	Oct 22, 2025
Sample Description	Emission from stationary source
Location	ปล่อง HRSG 11
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.0	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	114	°C	Gas Velocity	15.3	m/s
Type of Fuel	Natural Gas		Moisture	7.42	%	Flow Rate (Actual O2)	276371	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	01:30 PM - 02:18 PM	g/s	-	-	<0.04	1.8	-	Calculated	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Sampling By : Anuvat Moungpai ทะเบียนเลขที่ 3-204-a-0029

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

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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14479-21/ EMAIL S:\Reports_Air Stack_O2_2GL.rpt (2:45PM)

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595692
Date Received : Oct 22, 2025
Date Reported : Oct 31, 2025
Report Number: 3427504-1

Sample Number	2595692-1
Sampled Date	Oct 22, 2025
Sample Description	Emission from stationary source
Location	ปล่อง HRSG 12
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.1	%
Ambient Temperature	33.5	°C	Shape	Circle		Carbon Dioxide	3.7	%
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	16.0	m/s
Type of Fuel	Natural Gas		Moisture	9.48	%	Flow Rate (Actual O2)	282836	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 14.1 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	01:20 PM - 02:08 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	U.S. Environmental Protection Agency 40 CFR method 1-5, Appendix A, 2020 (Include sampling)	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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14479-21/ EMAIL S:\Reports_Air Stack_O2_2GL.rpt (2:47PM)

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595692
Date Received : Oct 22, 2025
Date Reported : Oct 31, 2025
Report Number: 3427504-1

Sample Number	2595692-1
Sampled Date	Oct 22, 2025
Sample Description	Emission from stationary source
Location	ปล่อง HRSG 12
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.1	%
Ambient Temperature	33.5	°C	Shape	Circle		Carbon Dioxide	3.7	%
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	16.0	m/s
Type of Fuel	Natural Gas		Moisture	9.48	%	Flow Rate (Actual O2)	282836	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	01:20 PM - 02:08 PM	g/s	-	-	<0.04	1.8	-	Calculated	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Sampling By : Atsawarad Jorsaw ทะเบียนเลขที่ 3-204-a-0074

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

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595693
Date Received :Oct 22, 2025
Date Reported :Nov 15, 2025
Report Number :3427512-1

Sample Number 2595693-1
Sampled Date Oct 22, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 11
Parameter NOx

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1*	22 Oct 25	13:20	13:40	19.49	23.27	44.66	46.99	2.32
2*	22 Oct 25	13:41	14:01	18.73	23.16	42.95	46.76	3.81
3*	22 Oct 25	14:02	14:22	18.73	22.94	42.78	46.29	3.50
4	22 Oct 25	14:23	14:43	18.77	20.96	42.64	43.55	0.91
5	22 Oct 25	14:44	15:04	18.84	21.16	42.89	43.79	0.91
6	22 Oct 25	15:05	15:25	19.18	21.16	43.78	43.65	-0.12
7	22 Oct 25	15:26	15:46	19.74	21.27	45.13	43.84	-1.30
8	22 Oct 25	15:47	16:07	19.58	21.11	44.86	43.35	-1.51
9	22 Oct 25	16:08	16:28	19.11	21.45	43.81	44.10	0.29
10	22 Oct 25	16:29	16:49	19.80	21.51	45.36	44.21	-1.15
11	22 Oct 25	16:50	17:10	19.57	21.43	44.81	43.96	-0.85
12	22 Oct 25	17:11	17:31	19.21	21.20	43.95	43.31	-0.64
	Average					44.14	43.75	-0.38
	Confidence Coefficient (CC)							0.71
	Relative Accuracy (Compared with RM) (%)							2.50
	Relative Accuracy Criteria 1/ (Compared with RM)							≤ 20%

Reference Method : US EPA Method 7E

Remark: * Sample with * is a rejected data

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

Technical Management Wichan Choonharat, Manager, ทะเบียนเลขที่ ว-204-ก-0006
Approved by Sarayuth Jittranont, Assistant General Manager, ทะเบียนเลขที่ ว-204-ก-0003

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

Sample Number 2595693-1
Sampled Date Oct 22, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 11
Parameter SO2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	22 Oct 25	13:20	13:40	0.12	0.06	0.29	0.12	-0.17
2	22 Oct 25	13:41	14:01	0.18	0.06	0.42	0.11	-0.30
3	22 Oct 25	14:02	14:22	0.16	0.07	0.38	0.14	-0.23
4	22 Oct 25	14:23	14:43	0.19	0.08	0.44	0.16	-0.28
5*	22 Oct 25	14:44	15:04	0.28	0.07	0.64	0.15	-0.49
6*	22 Oct 25	15:05	15:25	0.29	0.04	0.66	0.08	-0.59
7	22 Oct 25	15:26	15:46	0.16	0.02	0.37	0.03	-0.34
8	22 Oct 25	15:47	16:07	0.18	0.00	0.41	0.01	-0.41
9*	22 Oct 25	16:08	16:28	0.24	0.02	0.55	0.03	-0.51
10	22 Oct 25	16:29	16:49	0.18	0.02	0.40	0.05	-0.36
11	22 Oct 25	16:50	17:10	0.13	0.00	0.31	0.00	-0.31
12	22 Oct 25	17:11	17:31	0.14	-0.02	0.31	-0.04	-0.35
	Average					0.37	0.06	-0.30
	Confidence Coefficient (CC)							0.05
	Relative Accuracy (Compared with Emission Standard : 6 ppm) (%)							5.99
	Relative Accuracy Criteria 1/ (Compared with Emission Standard)							≤ 10%

Reference Method : US EPA Method 6C

Remark: * Sample with * is a rejected data

1/ Relative Accuracy Criteria of SO2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2) compared with Emission Standard 6 ppm at 7%O2
RA Result is within Criteria

Technical Management Wichan Choonharat, Manager, ทะเบียนเลขที่ ว-204-ก-0006
Approved by Sarayuth Jittranont, Assistant General Manager, ทะเบียนเลขที่ ว-204-ก-0003

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

Sample Number 2595693-1
Sampled Date Oct 22, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 11
Parameter CO

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1*	22 Oct 25	13:20	13:40	1.64	0.39	3.75	0.79	-2.96
2*	22 Oct 25	13:41	14:01	1.56	0.52	3.58	1.05	-2.53
3*	22 Oct 25	14:02	14:22	1.49	0.60	3.40	1.22	-2.18
4	22 Oct 25	14:23	14:43	1.42	0.74	3.22	1.54	-1.68
5	22 Oct 25	14:44	15:04	1.34	0.84	3.05	1.74	-1.31
6	22 Oct 25	15:05	15:25	1.27	0.75	2.90	1.54	-1.36
7	22 Oct 25	15:26	15:46	1.20	0.63	2.73	1.29	-1.45
8	22 Oct 25	15:47	16:07	1.12	0.70	2.57	1.43	-1.14
9	22 Oct 25	16:08	16:28	1.05	0.73	2.40	1.50	-0.91
10	22 Oct 25	16:29	16:49	0.98	0.79	2.24	1.63	-0.60
11	22 Oct 25	16:50	17:10	0.96	0.84	2.19	1.72	-0.47
12	22 Oct 25	17:11	17:31	1.01	0.93	2.31	1.91	-0.41
	Average					2.62	1.59	-1.04
	Confidence Coefficient (CC)							0.35
	Relative Accuracy (Compared with Emission Standard : 690 ppm) (%)							0.20
	Relative Accuracy Criteria 1/ (Compared with Emission Standard)							≤ 5%

Reference Method : US EPA Method 10

Remark: * Sample with * is a rejected data

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

Technical Management Wichan Choonharat, Manager, ทะเบียนเลขที่ ว-204-ก-0006
Approved by Sarayuth Jittranont, Assistant General Manager, ทะเบียนเลขที่ ว-204-ก-0003

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

Sample Number 2595693-1
Sampled Date Oct 22, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 11
Parameter O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1*	22 Oct 25	13:20	13:40	14.83	14.02	-0.82
2*	22 Oct 25	13:41	14:01	14.84	14.02	-0.82
3*	22 Oct 25	14:02	14:22	14.81	14.01	-0.80
4	22 Oct 25	14:23	14:43	14.78	14.21	-0.57
5	22 Oct 25	14:44	15:04	14.80	14.19	-0.61
6	22 Oct 25	15:05	15:25	14.81	14.18	-0.63
7	22 Oct 25	15:26	15:46	14.82	14.15	-0.67
8	22 Oct 25	15:47	16:07	14.83	14.13	-0.70
9	22 Oct 25	16:08	16:28	14.84	14.14	-0.70
10	22 Oct 25	16:29	16:49	14.83	14.14	-0.70
11	22 Oct 25	16:50	17:10	14.83	14.12	-0.71
12	22 Oct 25	17:11	17:31	14.83	14.10	-0.73
	Average			14.82	14.15	-0.67
	Confidence Coefficient (CC)					
	Relative Accuracy (Compared in Actual) (%)					0.67
	Relative Accuracy Criteria 1/ (%)					≤ 1%

Reference Method : US EPA Method 3A

Remark: * Sample with * is a rejected data

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

Sampled By : Boonyarth Tamted

Technical Management Wichan Choonharat, Manager, ทะเบียนเลขที่ ว-204-ก-0006
Approved by Sarayuth Jittranont, Assistant General Manager, ทะเบียนเลขที่ ว-204-ก-0003

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

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595696
Date Received :Oct 22, 2025
Date Reported :Nov 15, 2025
Report Number :3427514-1

Sample Number 2595696-1
Sampled Date Oct 22, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Parameter NOx

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	22 Oct 25	13:20	13:40	18.72	20.11	41.03	41.29	0.27
2*	22 Oct 25	13:41	14:01	18.55	19.95	40.35	40.91	0.56
3	22 Oct 25	14:02	14:22	18.78	19.90	41.23	40.70	-0.53
4	22 Oct 25	14:23	14:43	18.69	19.94	41.13	40.96	-0.17
5	22 Oct 25	14:44	15:04	18.90	20.16	41.44	41.33	-0.11
6	22 Oct 25	15:05	15:25	18.97	20.20	41.67	41.40	-0.27
7	22 Oct 25	15:26	15:46	18.89	20.27	41.45	41.56	0.11
8	22 Oct 25	15:47	16:07	18.96	20.22	41.52	41.40	-0.12
9	22 Oct 25	16:08	16:28	19.06	20.25	41.65	41.63	-0.02
10	22 Oct 25	16:29	16:49	18.85	20.24	41.13	41.66	0.53
11*	22 Oct 25	16:50	17:10	18.90	20.26	41.18	41.81	0.63
12*	22 Oct 25	17:11	17:31	18.71	20.19	40.81	41.63	0.82
	Average					41.36	41.32	-0.04
	Confidence Coefficient (CC)							0.24
	Relative Accuracy (Compared with RM) (%)							0.66
	Relative Accuracy Criteria 1/ (Compared with RM)							≤ 20%

Reference Method : US EPA Method 7E

Remark: * Sample with * is a rejected data

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

Technical Management Wichan Choonharat, Manager, ทะเบียนเลขที่ ว-204-ก-0006
Approved by Sarayuth Jittranont, Assistant General Manager, ทะเบียนเลขที่ ว-204-ก-0003

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

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595696
Date Received :Oct 22, 2025
Date Reported :Nov 15, 2025
Report Number :3427514-1

Sample Number 2595696-1
Sampled Date Oct 22, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Parameter SO2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1*	22 Oct 25	13:20	13:40	0.37	0.87	0.80	1.79	0.99
2	22 Oct 25	13:41	14:01	0.58	0.72	1.26	1.48	0.22
3	22 Oct 25	14:02	14:22	0.48	0.82	1.06	1.69	0.62
4	22 Oct 25	14:23	14:43	0.57	0.68	1.26	1.41	0.15
5	22 Oct 25	14:44	15:04	0.50	0.70	1.10	1.44	0.34
6	22 Oct 25	15:05	15:25	0.43	0.71	0.95	1.45	0.50
7*	22 Oct 25	15:26	15:46	0.29	0.68	0.65	1.39	0.75
8*	22 Oct 25	15:47	16:07	0.22	0.64	0.48	1.32	0.84
9	22 Oct 25	16:08	16:28	0.37	0.66	0.82	1.35	0.54
10	22 Oct 25	16:29	16:49	0.37	0.69	0.82	1.41	0.60
11	22 Oct 25	16:50	17:10	0.43	0.59	0.94	1.22	0.28
12	22 Oct 25	17:11	17:31	0.40	0.50	0.87	1.03	0.16
	Average					1.01	1.39	0.38
	Confidence Coefficient (CC)							0.14
	Relative Accuracy (Compared with Emission Standard : 6 ppm) (%)							8.71
	Relative Accuracy Criteria 1/ (Compared with Emission Standard)							≤ 10%

Reference Method : US EPA Method 6C

Remark: * Sample with * is a rejected data

1/ Relative Accuracy Criteria of SO2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2) compared with Emission Standard 6 ppm at 7%O2
RA Result is within Criteria

Technical Management Wichan Choonharat, Manager, ทะเบียนเลขที่ ว-204-ก-0006
Approved by Sarayuth Jittranont, Assistant General Manager, ทะเบียนเลขที่ ว-204-ก-0003

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

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595696
Date Received :Oct 22, 2025
Date Reported :Nov 15, 2025
Report Number :3427514-1

Sample Number 2595696-1
Sampled Date Oct 22, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Parameter CO

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1*	22 Oct 25	13:20	13:40	1.34	0.55	2.94	1.13	-1.81
2*	22 Oct 25	13:41	14:01	1.30	0.53	2.83	1.08	-1.75
3*	22 Oct 25	14:02	14:22	1.26	0.55	2.76	1.13	-1.63
4	22 Oct 25	14:23	14:43	1.21	0.57	2.67	1.16	-1.50
5	22 Oct 25	14:44	15:04	1.17	0.62	2.56	1.27	-1.29
6	22 Oct 25	15:05	15:25	1.13	0.62	2.47	1.27	-1.20
7	22 Oct 25	15:26	15:46	1.08	0.60	2.38	1.24	-1.14
8	22 Oct 25	15:47	16:07	1.04	0.63	2.28	1.28	-0.99
9	22 Oct 25	16:08	16:28	1.00	0.57	2.18	1.18	-1.00
10	22 Oct 25	16:29	16:49	0.95	0.54	2.08	1.11	-0.97
11	22 Oct 25	16:50	17:10	0.91	0.52	1.98	1.08	-0.91
12	22 Oct 25	17:11	17:31	0.87	0.53	1.89	1.09	-0.80
	Average					2.28	1.19	-1.09
	Confidence Coefficient (CC)							0.17
	Relative Accuracy (Compared with Emission Standard : 690 ppm) (%)							0.18
	Relative Accuracy Criteria 1/ (Compared with Emission Standard)							≤ 5%

Reference Method : US EPA Method 10

Remark: * Sample with * is a rejected data

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

Technical Management Wichan Choonharat, Manager, ทะเบียนเลขที่ ว-204-ก-0006
Approved by Sarayuth Jittranont, Assistant General Manager, ทะเบียนเลขที่ ว-204-ก-0003

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

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595696
Date Received :Oct 22, 2025
Date Reported :Nov 15, 2025
Report Number :3427514-1

Sample Number 2595696-1
Sampled Date Oct 22, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Parameter O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1	22 Oct 25	13:20	13:40	14.56	14.13	-0.43
2	22 Oct 25	13:41	14:01	14.51	14.12	-0.39
3*	22 Oct 25	14:02	14:22	14.57	14.10	-0.46
4*	22 Oct 25	14:23	14:43	14.59	14.13	-0.45
5	22 Oct 25	14:44	15:04	14.56	14.12	-0.44
6*	22 Oct 25	15:05	15:25	14.57	14.12	-0.45
7	22 Oct 25	15:26	15:46	14.56	14.12	-0.45
8	22 Oct 25	15:47	16:07	14.55	14.11	-0.44
9	22 Oct 25	16:08	16:28	14.54	14.14	-0.40
10	22 Oct 25	16:29	16:49	14.53	14.15	-0.38
11	22 Oct 25	16:50	17:10	14.52	14.16	-0.36
12	22 Oct 25	17:11	17:31	14.53	14.16	-0.37
	Average			14.54	14.13	-0.41
	Confidence Coefficient (CC)					
	Relative Accuracy (Compared in Actual) (%)					0.41
	Relative Accuracy Criteria 1/ (%)					≤ 1%

Reference Method : US EPA Method 3A

Remark: * Sample with * is a rejected data

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

Sampled By : Boonyarth Tamted

Technical Management Wichan Choonharat, Manager, ทะเบียนเลขที่ ว-204-ก-0006
Approved by Sarayuth Jittranont, Assistant General Manager, ทะเบียนเลขที่ ว-204-ก-0003

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

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595699
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427526-1

Sample Number	2595699-2
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 11
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.0	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	3.9	%
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	15.3	m/s
Type of Fuel	Natural Gas		Moisture	7.17	%	Flow Rate (Actual O2)	277542	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 14.0 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	10:10 AM - 10:58 AM	mg/m3	-	0.5	<0.5	<0.5	28	60	U.S. Environmental Protection Agency 40 CFR method 1-5, Appendix A, 2020 (Include sampling)	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595699
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427526-1

Sample Number	2595699-2
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 11
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.0	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	3.9	%
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	15.3	m/s
Type of Fuel	Natural Gas		Moisture	7.17	%	Flow Rate (Actual O2)	277542	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	10:10 AM - 10:58 AM	g/s	-	-	<0.04	1.8	-	Calculated	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Sampling By : Anuwat Moungpai ทะเบียนเลขที่ 3-204-a-0079

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

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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14479-21/ EMAIL S:\Reports_Air Stack_O2_2GL.rpt (5:24PM)

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595699
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427526-1

Sample Number	2595699-3
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 11
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.0	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	3.8	%
Type of Process	Combustion		Stack Temperature	114	°C	Gas Velocity	15.3	m/s
Type of Fuel	Natural Gas		Moisture	7.71	%	Flow Rate (Actual O2)	276240	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 14.0 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	11:05 AM - 11:53 AM	mg/m3	-	0.5	<0.5	<0.5	28	60	U.S. Environmental Protection Agency 40 CFR method 1-5, Appendix A, 2020 (Include sampling)	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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14479-21/ EMAIL S:\Reports_Air Stack_O2_2GL.rpt (5:24PM)

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595699
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427526-1

Sample Number	2595699-3
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 11
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.0	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	3.8	%
Type of Process	Combustion		Stack Temperature	114	°C	Gas Velocity	15.3	m/s
Type of Fuel	Natural Gas		Moisture	7.71	%	Flow Rate (Actual O2)	276240	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	11:05 AM - 11:53 AM	g/s	-	-	<0.04	1.8	-	Calculated	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Sampling By : Anuwat Moungpai ทะเบียนเลขที่ 3-204-a-0079

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

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595699
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427526-1

Sample Number	2595699-4
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 11
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.0	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	114	°C	Gas Velocity	15.3	m/s
Type of Fuel	Natural Gas		Moisture	7.42	%	Flow Rate (Actual O2)	276371	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 14.0 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	01:30 PM - 02:18 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	U.S. Environmental Protection Agency 40 CFR method 1-5, Appendix A, 2020 (Include sampling)	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595699
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427526-1

Sample Number	2595699-4
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 11
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.0	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	114	°C	Gas Velocity	15.3	m/s
Type of Fuel	Natural Gas		Moisture	7.42	%	Flow Rate (Actual O2)	276371	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	01:30 PM - 02:18 PM	g/s	-	-	<0.04	1.8	-	Calculated	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Sampling By : Anuwat Moungpai ทะเบียนเลขที่ 3-204-a-0079

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

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595699
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427526-1

Sample Number	2595699-5
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 11
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.0	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	114	°C	Gas Velocity	15.3	m/s
Type of Fuel	Natural Gas		Moisture	7.83	%	Flow Rate (Actual O2)	275476	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 14.0 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	02:25 PM - 03:13 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	U.S. Environmental Protection Agency 40 CFR method 1-5, Appendix A, 2020 (Include sampling)	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595699
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427526-1

Sample Number	2595699-5
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 11
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.0	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	4.0	%
Type of Process	Combustion		Stack Temperature	114	°C	Gas Velocity	15.3	m/s
Type of Fuel	Natural Gas		Moisture	7.83	%	Flow Rate (Actual O2)	275476	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	02:25 PM - 03:13 PM	g/s	-	-	<0.04	1.8	-	Calculated	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Sampling By : Anuwat Moungpai ทะเบียนเลขที่ 3-204-a-0079

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

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595699
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427526-1

Sample Number	2595699-6
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 11
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.0	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	3.9	%
Type of Process	Combustion		Stack Temperature	114	°C	Gas Velocity	15.3	m/s
Type of Fuel	Natural Gas		Moisture	7.77	%	Flow Rate (Actual O2)	275345	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 14.0 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	03:20 PM - 04:08 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	U.S. Environmental Protection Agency 40 CFR method 1-5, Appendix A, 2020 (Include sampling)	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by
Kanoklkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595699
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427526-1

Sample Number	2595699-6
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 11
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.0	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	3.9	%
Type of Process	Combustion		Stack Temperature	114	°C	Gas Velocity	15.3	m/s
Type of Fuel	Natural Gas		Moisture	7.77	%	Flow Rate (Actual O2)	275345	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	03:20 PM - 04:08 PM	g/s	-	-	<0.04	1.8	-	Calculated	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Sampling By : Anuvat Moungpai ทะเบียนเลขที่ 3-204-a-0079

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

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by
Kanoklkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595699
Date Received: Oct 22, 2025
Date Reported: Nov 15, 2025
Report Number: 3434740-1

Sample Number	2595699-1
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 11
Parameter	Relative Response Audit

Relative Response Audit Test Report

No Sample	Date	Time		CEMS Values	RM Values	Allowable Range		Criterion
		Start	Stop	(mg/m³ at 7% O_2)	(mg/m³ at 7%O_2)	Minimum	Maximum	
1	22-Oct-25	13:30	14:18	3.48	0.83	-3.52	10.48	Pass
2	22-Oct-25	14:25	15:13	3.48	0.62	-3.52	10.48	Pass
3	22-Oct-25	15:20	16:08	3.49	0.84	-3.51	10.49	Pass

Remark : - Relative Response Audit is refer to 40 CFR Part 60 Appendix B : Performance Specification 11 : Specifications and Test Procedures for Particulate Matter Continuous Emission Monitoring Systems at Stationary Source (PS-11)
- Emission limit 28 mg/m³ from Environmental Impact Assessment Report of Gulf BL Co., Ltd.

Technical Management Wichan Choonharat
Wichan Choonharat
Manager
ทะเบียนเลขที่ 3-204-a-0006

Approved by
Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0003

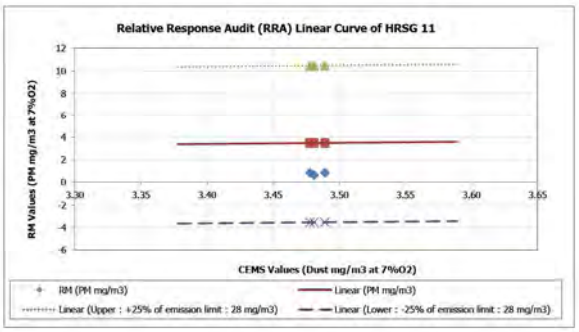
The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any from without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595699
Date Received: Oct 22, 2025
Date Reported: Nov 15, 2025
Report Number: 3434740-1

Sample Number	2595699-1
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 11
Parameter	Relative Response Audit



Sampled By : Anuvat Moungpai

Technical Management Wichan Choonharat
Wichan Choonharat
Manager
ทะเบียนเลขที่ 3-204-a-0006

Approved by
Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0003

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595704
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427528-1

Sample Number	2595704-2
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 12
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.3	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	3.6	%
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	16.0	m/s
Type of Fuel	Natural Gas		Moisture	9.41	%	Flow Rate (Actual O2)	282868	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 14.3 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	10:20 AM - 11:08 AM	mg/m3	-	0.5	<0.5	<0.5	28	60	U.S. Environmental Protection Agency 40 CFR method 1-5, Appendix A, 2020 (Include sampling)	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595704
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427528-1

Sample Number	2595704-2
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 12
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.3	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	3.6	%
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	16.0	m/s
Type of Fuel	Natural Gas		Moisture	9.41	%	Flow Rate (Actual O2)	282868	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	10:20 AM - 11:08 AM	g/s	-	-	<0.04	1.8	-	Calculated	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Sampling By : Boonyanith Samted ทะเบียนเลขที่ 3-204-a-0137

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

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595704
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427528-1

Sample Number	2595704-3
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 12
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.3	%
Ambient Temperature	32.8	°C	Shape	Circle		Carbon Dioxide	3.8	%
Type of Process	Combustion		Stack Temperature	111	°C	Gas Velocity	15.9	m/s
Type of Fuel	Natural Gas		Moisture	9.45	%	Flow Rate (Actual O2)	283916	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 14.3 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	11:18 AM - 12:06 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	U.S. Environmental Protection Agency 40 CFR method 1-5, Appendix A, 2020 (Include sampling)	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595704
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427528-1

Sample Number	2595704-3
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 12
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.3	%
Ambient Temperature	32.8	°C	Shape	Circle		Carbon Dioxide	3.8	%
Type of Process	Combustion		Stack Temperature	111	°C	Gas Velocity	15.9	m/s
Type of Fuel	Natural Gas		Moisture	9.45	%	Flow Rate (Actual O2)	283916	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	11:18 AM - 12:06 PM	g/s	-	-	<0.04	1.8	-	Calculated	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Sampling By : Boonyanith Samted ทะเบียนเลขที่ 3-204-a-0137

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

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595704
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427528-1

Sample Number	2595704-4
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 12
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.1	%
Ambient Temperature	33.5	°C	Shape	Circle		Carbon Dioxide	3.7	%
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	16.0	m/s
Type of Fuel	Natural Gas		Moisture	9.48	%	Flow Rate (Actual O2)	282836	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 14.1 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	01:20 PM - 02:08 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	U.S. Environmental Protection Agency 40 CFR method 1-5, Appendix A, 2020 (Include sampling)	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595704
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427528-1

Sample Number	2595704-4
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 12
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.1	%
Ambient Temperature	33.5	°C	Shape	Circle		Carbon Dioxide	3.7	%
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	16.0	m/s
Type of Fuel	Natural Gas		Moisture	9.48	%	Flow Rate (Actual O2)	282836	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	01:20 PM - 02:08 PM	g/s	-	-	<0.04	1.8	-	Calculated	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Sampling By : Boonyanith Jamted ทะเบียนเลขที่ 3-204-a-0137

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

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595704
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427528-1

Sample Number	2595704-5
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 12
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.4	%
Ambient Temperature	36.0	°C	Shape	Circle		Carbon Dioxide	3.5	%
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	15.9	m/s
Type of Fuel	Natural Gas		Moisture	9.49	%	Flow Rate (Actual O2)	282078	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 14.4 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	02:18 PM - 03:06 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	U.S. Environmental Protection Agency 40 CFR method 1-5, Appendix A, 2020 (Include sampling)	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595704
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427528-1

Sample Number	2595704-5
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 12
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.4	%
Ambient Temperature	36.0	°C	Shape	Circle		Carbon Dioxide	3.5	%
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	15.9	m/s
Type of Fuel	Natural Gas		Moisture	9.49	%	Flow Rate (Actual O2)	282078	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	02:18 PM - 03:06 PM	g/s	-	-	<0.04	1.8	-	Calculated	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Sampling By : Boonyanith Jamted ทะเบียนเลขที่ 3-204-a-0137

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

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ 3-204-a-0027

Approved by Kanokkorn Anek
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595704
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427528-1

Sample Number	2595704-6
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 12
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.4	%
Ambient Temperature	36.0	°C	Shape	Circle		Carbon Dioxide	3.7	%
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	16.0	m/s
Type of Fuel	Natural Gas		Moisture	9.50	%	Flow Rate (Actual O2)	283717	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O2	Result at 14.4 % O2	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	03:20 PM - 04:08 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	U.S. Environmental Protection Agency 40 CFR method 1-5, Appendix A, 2020 (Include sampling)	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ ว-204-ก-0027

Approved by Kanoklkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ก-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595704
Date Received : Oct 22, 2025
Date Reported : Nov 04, 2025
Report Number: 3427528-1

Sample Number	2595704-6
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 12
Date Analysis Commenced	Oct 24, 2025
Condition of Sample	Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.00	m	Oxygen	14.4	%
Ambient Temperature	36.0	°C	Shape	Circle		Carbon Dioxide	3.7	%
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	16.0	m/s
Type of Fuel	Natural Gas		Moisture	9.50	%	Flow Rate (Actual O2)	283717	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	03:20 PM - 04:08 PM	g/s	-	-	<0.04	1.8	-	Calculated	Bangkok

Guideline :
Guideline (1) Environmental Impact Assessment Report of Gulf BL Co., Ltd.
Guideline (2) Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Sampling By : Boonyarith Limited ทะเบียนเลขที่ ว-204-ก-0137

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

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)
ทะเบียนเลขที่ ว-204-ก-0027

Approved by Kanoklkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ก-0004

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595704
Date Received: Oct 22, 2025
Date Reported: Nov 15, 2025
Report Number: 3434739-1

Sample Number	2595704-1
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 12
Parameter	Relative Response Audit

Relative Response Audit Test Report

No Sample	Date	Time		CEMS Values	RM Values	Allowable Range		Criterion
		Start	Stop	(mg/m³ at 7% O_2)	(mg/m³ at 7% O_2)	Minimum	Maximum	
1	22-Oct-25	13:20	14:08	4.16	0.81	-2.84	11.16	Pass
2	22-Oct-25	14:18	15:06	4.11	0.43	-2.89	11.11	Pass
3	22-Oct-25	15:20	16:08	4.01	0.84	-2.99	11.01	Pass

Remark : - Relative Response Audit is refer to 40 CFR Part 60 Appendix B : Performance Specification 11 : Specifications and Test Procedures for Particulate Matter Continuous Emission Monitoring Systems at Stationary Source (PS-11)
- Emission limit 28 mg/m³ from Environmental Impact Assessment Report of Gulf BL Co., Ltd.

Technical Management Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ก-0006

Approved by Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ก-0003

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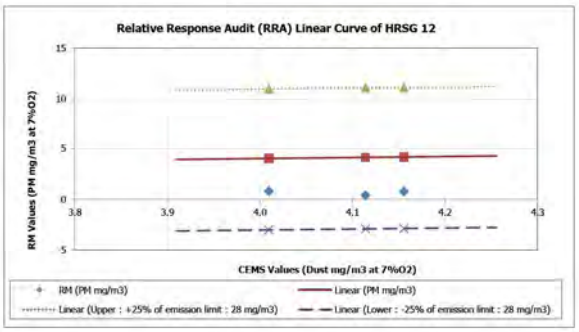
Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595704
Date Received: Oct 22, 2025
Date Reported: Nov 15, 2025
Report Number: 3434739-1

Sample Number	2595704-1
Sampled Date	Oct 22, 2025
Sample Description	Emission from Stationary Source
Location	ปล่อง HRSG 12
Parameter	Relative Response Audit



Sampled By : Boonyarith Limited

Technical Management Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ก-0006

Approved by Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ก-0003

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700383
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595668
Date Received : Oct 28, 2025
Date Reported : Oct 31, 2025
Report Number : 3427474-1C8

Sample Description Air Quality
Location รพ.สต.บ้านหว้า (GPS 47P 673091, 1758462)
Parameter Nitrogen dioxide (ppm)
Measurement Date Oct 17, 2025 - Oct 24, 2025
Measurement by Keerati Taweerat

Time	2595668-1 Oct 17, 2025	2595668-2 Oct 18, 2025	2595668-3 Oct 19, 2025	2595668-4 Oct 20, 2025	2595668-5 Oct 21, 2025	2595668-6 Oct 22, 2025	2595668-7 Oct 23, 2025
10:00 AM - 11:00 AM	0.0029	0.0042	0.0050	0.0072	0.0086	0.0083	0.0075
11:00 AM - 12:00 PM	0.0022	0.0034	0.0047	0.0060	0.0092	0.0071	0.0075
12:00 PM - 01:00 PM	0.0023	0.0028	0.0042	0.0072	0.0081	0.0059	0.0065
01:00 PM - 02:00 PM	0.0025	0.0030	0.0040	0.0052	0.0086	0.0057	0.0065
02:00 PM - 03:00 PM	0.0022	0.0032	0.0044	0.0046	0.0089	0.0059	0.0103
03:00 PM - 04:00 PM	0.0006	0.0037	0.0051	0.0076	0.0101	0.0074	0.0134
04:00 PM - 05:00 PM	0.0049	0.0094	0.0080	0.0078	0.0194	0.0170	0.0145
05:00 PM - 06:00 PM	0.0047	0.0160	0.0127	0.0095	0.0182	0.0169	0.0204
06:00 PM - 07:00 PM	0.0064	0.0077	0.0120	0.0116	0.0278	0.0210	0.0128
07:00 PM - 08:00 PM	0.0084	0.0062	0.0113	0.0164	0.0174	0.0238	0.0119
08:00 PM - 09:00 PM	0.0072	0.0094	0.0184	0.0137	0.0223	0.0195	0.0086
09:00 PM - 10:00 PM	0.0071	0.0110	0.0165	0.0121	0.0230	0.0163	0.0136
10:00 PM - 11:00 PM	0.0087	0.0113	0.0136	0.0106	0.0144	0.0152	0.0111
11:00 PM - 12:00 AM	0.0078	0.0077	0.0125	0.0094	0.0120	0.0130	0.0108
12:00 AM - 01:00 AM	0.0061	0.0054	0.0102	0.0111	0.0130	0.0121	0.0094
01:00 AM - 02:00 AM	0.0070	0.0066	0.0117	0.0076	0.0123	0.0111	0.0094
02:00 AM - 03:00 AM	0.0063	0.0086	0.0108	0.0056	0.0108	0.0109	0.0117
03:00 AM - 04:00 AM	0.0047	0.0077	0.0085	0.0061	0.0123	0.0118	0.0118
04:00 AM - 05:00 AM	0.0059	0.0091	0.0092	0.0103	0.0115	0.0137	0.0111
05:00 AM - 06:00 AM	0.0066	0.0107	0.0109	0.0116	0.0121	0.0136	0.0133
06:00 AM - 07:00 AM	0.0074	0.0088	0.0121	0.0146	0.0117	0.0110	0.0130
07:00 AM - 08:00 AM	0.0064	0.0085	0.0124	0.0108	0.0103	0.0092	0.0103
08:00 AM - 09:00 AM	0.0058	0.0076	0.0124	0.0090	0.0087	0.0108	0.0078
09:00 AM - 10:00 AM	0.0052	0.0061	0.0110	0.0093	0.0087	0.0097	0.0060
Average	0.0054	0.0074	0.0101	0.0094	0.0133	0.0124	0.0108
1hr - Maximum	0.0087	0.0160	0.0184	0.0164	0.0278	0.0238	0.0204
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).
Reference Method : U.S. Environmental Protection AgencyMethod Part 50 App. F (Chemiluminescence)

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Approved by
Orawan Rakyong
Scientist (3)

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595668
Date Received : Oct 28, 2025
Date Reported : Oct 31, 2025
Report Number : 3440001-1C8

Sample Description Air Quality
Location โรงเรียนเจ้าฟ้าชาย (GPS 47P 670164, 1575124)
Parameter Nitrogen dioxide (ppm)
Measurement Date Oct 17, 2025 - Oct 24, 2025
Measurement by Keerati Taweerat

Time	2595668-8 Oct 17, 2025	2595668-9 Oct 18, 2025	2595668-10 Oct 19, 2025	2595668-11 Oct 20, 2025	2595668-12 Oct 21, 2025	2595668-13 Oct 22, 2025	2595668-14 Oct 23, 2025
11:00 AM - 12:00 PM	0.0011	0.0019	0.0015	0.0020	0.0024	0.0019	0.0061
12:00 PM - 01:00 PM	0.0018	0.0017	0.0014	0.0019	0.0021	0.0019	0.0044
01:00 PM - 02:00 PM	0.0024	0.0021	0.0017	0.0028	0.0026	0.0030	0.0064
02:00 PM - 03:00 PM	0.0038	0.0027	0.0042	0.0034	0.0041	0.0085	0.0072
03:00 PM - 04:00 PM	0.0049	0.0037	0.0039	0.0060	0.0044	0.0115	0.0147
04:00 PM - 05:00 PM	0.0096	0.0071	0.0067	0.0128	0.0155	0.0157	0.0068
05:00 PM - 06:00 PM	0.0076	0.0046	0.0048	0.0068	0.0108	0.0162	0.0069
06:00 PM - 07:00 PM	0.0097	0.0062	0.0033	0.0133	0.0068	0.0106	0.0027
07:00 PM - 08:00 PM	0.0102	0.0082	0.0100	0.0126	0.0128	0.0056	0.0063
08:00 PM - 09:00 PM	0.0115	0.0153	0.0092	0.0153	0.0107	0.0067	0.0071
09:00 PM - 10:00 PM	0.0098	0.0121	0.0099	0.0116	0.0099	0.0083	0.0090
10:00 PM - 11:00 PM	0.0098	0.0104	0.0109	0.0118	0.0067	0.0111	0.0075
11:00 PM - 12:00 AM	0.0055	0.0043	0.0064	0.0059	0.0043	0.0065	0.0067
12:00 AM - 01:00 AM	0.0031	0.0031	0.0048	0.0032	0.0035	0.0060	0.0041
01:00 AM - 02:00 AM	0.0020	0.0046	0.0036	0.0021	0.0053	0.0071	0.0044
02:00 AM - 03:00 AM	0.0025	0.0043	0.0034	0.0027	0.0080	0.0103	0.0065
03:00 AM - 04:00 AM	0.0027	0.0052	0.0040	0.0058	0.0082	0.0084	0.0095
04:00 AM - 05:00 AM	0.0027	0.0055	0.0068	0.0066	0.0071	0.0025	0.0101
05:00 AM - 06:00 AM	0.0018	0.0036	0.0049	0.0058	0.0042	0.0033	0.0057
06:00 AM - 07:00 AM	0.0022	0.0035	0.0055	0.0059	0.0030	0.0037	0.0027
07:00 AM - 08:00 AM	0.0031	0.0044	0.0066	0.0053	0.0032	0.0032	0.0040
08:00 AM - 09:00 AM	0.0042	0.0048	0.0064	0.0046	0.0041	0.0037	0.0053
09:00 AM - 10:00 AM	0.0026	0.0018	0.0038	0.0042	0.0032	0.0039	0.0053
10:00 AM - 11:00 AM	0.0031	0.0025	0.0030	0.0039	0.0025	0.0036	0.0044
Average	0.0049	0.0052	0.0053	0.0065	0.0061	0.0068	0.0064
1hr - Maximum	0.0115	0.0153	0.0109	0.0153	0.0155	0.0162	0.0147
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).
Reference Method : U.S. Environmental Protection AgencyMethod Part 50 App. F (Chemiluminescence)

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Approved by
Orawan Rakyong
Scientist (3)

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595668
Date Received : Oct 28, 2025
Date Reported : Oct 31, 2025
Report Number : 3440002-1C8

Sample Description Air Quality
Location หมู่ที่ 3 ตำบลบ้านแล (GPS 47P 674895, 1574350)
Parameter Nitrogen dioxide (ppm)
Measurement Date Oct 17, 2025 - Oct 24, 2025
Measurement by Keerati Taweerat

Time	2595668-15 Oct 17, 2025	2595668-16 Oct 18, 2025	2595668-17 Oct 19, 2025	2595668-18 Oct 20, 2025	2595668-19 Oct 21, 2025	2595668-20 Oct 22, 2025	2595668-21 Oct 23, 2025
12:00 PM - 01:00 PM	0.0033	0.0017	0.0021	0.0028	0.0067	0.0031	0.0039
01:00 PM - 02:00 PM	0.0151	0.0019	0.0024	0.0228	0.0057	0.0034	0.0043
02:00 PM - 03:00 PM	0.0209	0.0027	0.0054	0.0224	0.0083	0.0057	0.0068
03:00 PM - 04:00 PM	0.0250	0.0026	0.0090	0.0183	0.0127	0.0128	0.0082
04:00 PM - 05:00 PM	0.0290	0.0066	0.0081	0.0271	0.0127	0.0177	0.0083
05:00 PM - 06:00 PM	0.0229	0.0248	0.0123	0.0201	0.0100	0.0164	0.0102
06:00 PM - 07:00 PM	0.0206	0.0203	0.0107	0.0144	0.0126	0.0155	0.0041
07:00 PM - 08:00 PM	0.0217	0.0280	0.0110	0.0103	0.0079	0.0226	0.0088
08:00 PM - 09:00 PM	0.0220	0.0224	0.0071	0.0260	0.0179	0.0167	0.0157
09:00 PM - 10:00 PM	0.0193	0.0205	0.0195	0.0260	0.0280	0.0100	0.0241
10:00 PM - 11:00 PM	0.0162	0.0174	0.0188	0.0215	0.0218	0.0105	0.0176
11:00 PM - 12:00 AM	0.0119	0.0072	0.0143	0.0148	0.0118	0.0167	0.0178
12:00 AM - 01:00 AM	0.0080	0.0133	0.0084	0.0121	0.0124	0.0139	0.0164
01:00 AM - 02:00 AM	0.0076	0.0095	0.0063	0.0134	0.0111	0.0215	0.0140
02:00 AM - 03:00 AM	0.0058	0.0105	0.0079	0.0114	0.0137	0.0239	0.0190
03:00 AM - 04:00 AM	0.0064	0.0158	0.0140	0.0161	0.0137	0.0151	0.0158
04:00 AM - 05:00 AM	0.0064	0.0116	0.0157	0.0128	0.0145	0.0188	0.0141
05:00 AM - 06:00 AM	0.0056	0.0087	0.0173	0.0087	0.0112	0.0111	0.0100
06:00 AM - 07:00 AM	0.0061	0.0086	0.0113	0.0093	0.0088	0.0083	0.0089
07:00 AM - 08:00 AM	0.0057	0.0027	0.0042	0.0068	0.0079	0.0088	0.0074
08:00 AM - 09:00 AM	0.0052	0.0020	0.0030	0.0050	0.0066	0.0073	0.0055
09:00 AM - 10:00 AM	0.0058	0.0021	0.0019	0.0048	0.0053	0.0032	0.0044
10:00 AM - 11:00 AM	0.0022	0.0014	0.0018	0.0029	0.0062	0.0075	0.0032
11:00 AM - 12:00 PM	0.0019	0.0011	0.0018	0.0070	0.0045	0.0058	0.0035
Average	0.0123	0.0101	0.0089	0.0142	0.0113	0.0123	0.0105
1hr - Maximum	0.0290	0.0280	0.0195	0.0271	0.0280	0.0239	0.0241
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).
Reference Method : U.S. Environmental Protection AgencyMethod Part 50 App. F (Chemiluminescence)

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Approved by
Orawan Rakyong
Scientist (3)

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595668
Date Received : Oct 28, 2025
Date Reported : Oct 31, 2025
Report Number : 3440003-1C8

Sample Description Air Quality
Location หมู่ที่ 2 ตำบลบ้านหว้า (GPS 47P 672742, 1578163)
Parameter Nitrogen dioxide (ppm)
Measurement Date Oct 17, 2025 - Oct 24, 2025
Measurement by Keerati Taweerat

Time	2595668-22 Oct 17, 2025	2595668-23 Oct 18, 2025	2595668-24 Oct 19, 2025	2595668-25 Oct 20, 2025	2595668-26 Oct 21, 2025	2595668-27 Oct 22, 2025	2595668-28 Oct 23, 2025
09:00 AM - 10:00 AM	0.0057	0.0035	0.0041	0.0050	0.0039	0.0061	0.0053
10:00 AM - 11:00 AM	0.0047	0.0030	0.0030	0.0070	0.0036	0.0045	0.0051
11:00 AM - 12:00 PM	0.0034	0.0026	0.0027	0.0034	0.0033	0.0037	0.0037
12:00 PM - 01:00 PM	0.0031	0.0024	0.0023	0.0030	0.0030	0.0034	0.0035
01:00 PM - 02:00 PM	0.0027	0.0025	0.0024	0.0030	0.0033	0.0032	0.0033
02:00 PM - 03:00 PM	0.0031	0.0023	0.0026	0.0030	0.0036	0.0031	0.0034
03:00 PM - 04:00 PM	0.0029	0.0029	0.0031	0.0045	0.0044	0.0033	0.0039
04:00 PM - 05:00 PM	0.0039	0.0064	0.0055	0.0077	0.0067	0.0049	0.0070
05:00 PM - 06:00 PM	0.0086	0.0078	0.0111	0.0161	0.0137	0.0108	0.0080
06:00 PM - 07:00 PM	0.0158	0.0088	0.0087	0.0198	0.0125	0.0114	0.0095
07:00 PM - 08:00 PM	0.0176	0.0131	0.0064	0.0150	0.0204	0.0154	0.0072
08:00 PM - 09:00 PM	0.0132	0.0097	0.0115	0.0103	0.0104	0.0203	0.0057
09:00 PM - 10:00 PM	0.0100	0.0082	0.0074	0.0129	0.0153	0.0154	0.0049
10:00 PM - 11:00 PM	0.0094	0.0099	0.0109	0.0113	0.0177	0.0109	0.0078
11:00 PM - 12:00 AM	0.0078	0.0096	0.0121	0.0093	0.0088	0.0090	0.0067
12:00 AM - 01:00 AM	0.0070	0.0093	0.0112	0.0093	0.0086	0.0075	0.0065
01:00 AM - 02:00 AM	0.0064	0.0072	0.0090	0.0068	0.0080	0.0080	0.0066
02:00 AM - 03:00 AM	0.0046	0.0056	0.0065	0.0054	0.0063	0.0077	0.0061
03:00 AM - 04:00 AM	0.0034	0.0047	0.0046	0.0064	0.0060	0.0065	0.0054
04:00 AM - 05:00 AM	0.0034	0.0050	0.0047	0.0080	0.0055	0.0057	0.0053
05:00 AM - 06:00 AM	0.0039	0.0049	0.0059	0.0071	0.0060	0.0054	0.0054
06:00 AM - 07:00 AM	0.0028	0.0035	0.0058	0.0059	0.0047	0.0052	0.0041
07:00 AM - 08:00 AM	0.0029	0.0036	0.0054	0.0048	0.0047	0.0043	0.0045
08:00 AM - 09:00 AM	0.0035	0.0038	0.0049	0.0045	0.0041	0.0040	0.0041
Average	0.0064	0.0058	0.0063	0.0079	0.0077	0.0075	0.0055
1hr - Maximum	0.0176	0.0131	0.0121	0.0198	0.0204	0.0203	0.0095
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).
Reference Method : U.S. Environmental Protection AgencyMethod Part 50 App. F (Chemiluminescence)

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Approved by
Orawan Rakyong
Scientist (3)

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-1
Sampled Date	Oct 17, 2025
Sample Description	Air Quality
Location	รพ.สต.บ้านพริก (GPS 47P 673091, 1758462)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	17/10/25 - 18/10/25	mg/m3	-	0.005	0.021	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	17/10/25 - 18/10/25	ug/m3	-	5.0	14.6	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	17/10/25 - 18/10/25	mg/m3	-	0.005	0.035	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
NEB 2022 : Notification of the National Environmental Board., 2022 (B.E.2565)
NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004
Sampled By : Keerati Taweerat

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

Approved by
Orawan Rakyong
Scientist (3)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-2
Sampled Date	Oct 18, 2025
Sample Description	Air Quality
Location	รพ.สต.บ้านพริก (GPS 47P 673091, 1758462)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	18/10/25 - 19/10/25	mg/m3	-	0.005	0.020	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	18/10/25 - 19/10/25	ug/m3	-	5.0	13.7	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	18/10/25 - 19/10/25	mg/m3	-	0.005	0.034	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
NEB 2022 : Notification of the National Environmental Board., 2022 (B.E.2565)
NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004
Sampled By : Keerati Taweerat

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

Approved by
Orawan Rakyong
Scientist (3)

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Life Sciences www.alsglobal.com
12174-41/ EMAIL

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-3
Sampled Date	Oct 19, 2025
Sample Description	Air Quality
Location	รพ.สต.บ้านพริก (GPS 47P 673091, 1758462)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	19/10/25 - 20/10/25	mg/m3	-	0.005	0.016	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	19/10/25 - 20/10/25	ug/m3	-	5.0	12.9	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	19/10/25 - 20/10/25	mg/m3	-	0.005	0.031	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
NEB 2022 : Notification of the National Environmental Board., 2022 (B.E.2565)
NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004
Sampled By : Keerati Taweerat

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

Approved by
Orawan Rakyong
Scientist (3)

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Life Sciences www.alsglobal.com
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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-4
Sampled Date	Oct 20, 2025
Sample Description	Air Quality
Location	รพ.สต.บ้านพริก (GPS 47P 673091, 1758462)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	20/10/25 - 21/10/25	mg/m3	-	0.005	0.023	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	20/10/25 - 21/10/25	ug/m3	-	5.0	20.6	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	20/10/25 - 21/10/25	mg/m3	-	0.005	0.044	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
NEB 2022 : Notification of the National Environmental Board., 2022 (B.E.2565)
NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004
Sampled By : Keerati Taweerat

Remark :
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Approved by
Orawan Rakyong
Scientist (3)

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-5
Sampled Date	Oct 21, 2025
Sample Description	Air Quality
Location	รพ.สต.ป่าหมาว (GPS 47P 673091, 1758462)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	21/10/25 - 22/10/25	mg/m3	-	0.005	0.025	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	21/10/25 - 22/10/25	ug/m3	-	5.0	16.7	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	21/10/25 - 22/10/25	mg/m3	-	0.005	0.049	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
NEB 2022 : Notification of the National Environmental Board., 2022 (B.E.2565)
NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004
Sampled By : Keerati Taweerat

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-6
Sampled Date	Oct 22, 2025
Sample Description	Air Quality
Location	รพ.สต.ป่าหมาว (GPS 47P 673091, 1758462)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.4 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	22/10/25 - 23/10/25	mg/m3	-	0.005	0.021	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	22/10/25 - 23/10/25	ug/m3	-	5.0	17.6	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	22/10/25 - 23/10/25	mg/m3	-	0.005	0.044	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
NEB 2022 : Notification of the National Environmental Board., 2022 (B.E.2565)
NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004
Sampled By : Keerati Taweerat

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-7
Sampled Date	Oct 23, 2025
Sample Description	Air Quality
Location	รพ.สต.ป่าหมาว (GPS 47P 673091, 1758462)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	23/10/25 - 24/10/25	mg/m3	-	0.005	0.017	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	23/10/25 - 24/10/25	ug/m3	-	5.0	14.6	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	23/10/25 - 24/10/25	mg/m3	-	0.005	0.038	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
NEB 2022 : Notification of the National Environmental Board., 2022 (B.E.2565)
NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004
Sampled By : Keerati Taweerat

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-8
Sampled Date	Oct 17, 2025
Sample Description	Air Quality
Location	โรงเรียนเจ้าฟ้าสร้าง (GPS 47P 670164, 1575124)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	17/10/25 - 18/10/25	mg/m3	-	0.005	0.018	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	17/10/25 - 18/10/25	ug/m3	-	5.0	12.0	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	17/10/25 - 18/10/25	mg/m3	-	0.005	0.031	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
NEB 2022 : Notification of the National Environmental Board., 2022 (B.E.2565)
NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004
Sampled By : Keerati Taweerat

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TESTING
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P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-9
Sampled Date	Oct 18, 2025
Sample Description	Air Quality
Location	โรงเรียนเจ้าพ้าสร้าง (GPS 47P 670164, 1575124)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	18/10/25 - 19/10/25	mg/m3	-	0.005	0.019	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	18/10/25 - 19/10/25	ug/m3	-	5.0	16.3	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	18/10/25 - 19/10/25	mg/m3	-	0.005	0.030	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
NEB 2022 : Notification of the National Environmental Board., 2022 (B.E.2565)
NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004
Sampled By : Keerati Taweerat

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P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-10
Sampled Date	Oct 19, 2025
Sample Description	Air Quality
Location	โรงเรียนเจ้าพ้าสร้าง (GPS 47P 670164, 1575124)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.4 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	19/10/25 - 20/10/25	mg/m3	-	0.005	0.021	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	19/10/25 - 20/10/25	ug/m3	-	5.0	14.1	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	19/10/25 - 20/10/25	mg/m3	-	0.005	0.030	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
NEB 2022 : Notification of the National Environmental Board., 2022 (B.E.2565)
NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004
Sampled By : Keerati Taweerat

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-11
Sampled Date	Oct 20, 2025
Sample Description	Air Quality
Location	โรงเรียนเจ้าพ้าสร้าง (GPS 47P 670164, 1575124)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	20/10/25 - 21/10/25	mg/m3	-	0.005	0.026	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	20/10/25 - 21/10/25	ug/m3	-	5.0	23.5	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	20/10/25 - 21/10/25	mg/m3	-	0.005	0.039	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
NEB 2022 : Notification of the National Environmental Board., 2022 (B.E.2565)
NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004
Sampled By : Keerati Taweerat

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-12
Sampled Date	Oct 21, 2025
Sample Description	Air Quality
Location	โรงเรียนเจ้าพ้าสร้าง (GPS 47P 670164, 1575124)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	21/10/25 - 22/10/25	mg/m3	-	0.005	0.027	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	21/10/25 - 22/10/25	ug/m3	-	5.0	5.6	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	21/10/25 - 22/10/25	mg/m3	-	0.005	0.041	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
NEB 2022 : Notification of the National Environmental Board., 2022 (B.E.2565)
NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004
Sampled By : Keerati Taweerat

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-13
Sampled Date	Oct 22, 2025
Sample Description	Air Quality
Location	โรงเรียนเจ้าพ้าสร้าง (GPS 47P 670164, 1575124)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	22/10/25 - 23/10/25	mg/m3	-	0.005	0.022	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	22/10/25 - 23/10/25	ug/m3	-	5.0	12.8	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	22/10/25 - 23/10/25	mg/m3	-	0.005	0.042	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
NEB 2022 : Notification of the National Environmental Board., 2022 (B.E.2565)
NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004
Sampled By : Keerati Taweerat

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-14
Sampled Date	Oct 23, 2025
Sample Description	Air Quality
Location	โรงเรียนเจ้าพ้าสร้าง (GPS 47P 670164, 1575124)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	23/10/25 - 24/10/25	mg/m3	-	0.005	0.016	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	23/10/25 - 24/10/25	ug/m3	-	5.0	11.1	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	23/10/25 - 24/10/25	mg/m3	-	0.005	0.032	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
NEB 2022 : Notification of the National Environmental Board., 2022 (B.E.2565)
NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004
Sampled By : Keerati Taweerat

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Approved by
Orawan Rakyong
Scientist (3)

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-15
Sampled Date	Oct 17, 2025
Sample Description	Air Quality
Location	หมู่ที่ 3 ตำบลบ้านแพน (GPS 47P 674895, 1574350)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	17/10/25 - 18/10/25	mg/m3	-	0.005	0.018	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	17/10/25 - 18/10/25	ug/m3	-	5.0	10.7	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	17/10/25 - 18/10/25	mg/m3	-	0.005	0.029	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
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Sampled By : Keerati Taweerat

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-16
Sampled Date	Oct 18, 2025
Sample Description	Air Quality
Location	หมู่ที่ 3 ตำบลบ้านแพน (GPS 47P 674895, 1574350)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	34.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	18/10/25 - 19/10/25	mg/m3	-	0.005	0.017	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	18/10/25 - 19/10/25	ug/m3	-	5.0	13.7	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	18/10/25 - 19/10/25	mg/m3	-	0.005	0.030	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
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Sampled By : Keerati Taweerat

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TESTING
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P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-17
Sampled Date	Oct 19, 2025
Sample Description	Air Quality
Location	หมู่ที่ 3 ตำบลท่าหลวง (GPS 47P 674895, 1574350)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	34.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	19/10/25 - 20/10/25	mg/m3	-	0.005	0.017	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	19/10/25 - 20/10/25	ug/m3	-	5.0	11.2	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	19/10/25 - 20/10/25	mg/m3	-	0.005	0.031	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-18
Sampled Date	Oct 20, 2025
Sample Description	Air Quality
Location	หมู่ที่ 3 ตำบลท่าหลวง (GPS 47P 674895, 1574350)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.8 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	20/10/25 - 21/10/25	mg/m3	-	0.005	0.024	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	20/10/25 - 21/10/25	ug/m3	-	5.0	12.4	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	20/10/25 - 21/10/25	mg/m3	-	0.005	0.039	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

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Analysis / Test Report

TESTING
No.0009

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-19
Sampled Date	Oct 21, 2025
Sample Description	Air Quality
Location	หมู่ที่ 3 ตำบลท่าหลวง (GPS 47P 674895, 1574350)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	21/10/25 - 22/10/25	mg/m3	-	0.005	0.030	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	21/10/25 - 22/10/25	ug/m3	-	5.0	27.0	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	21/10/25 - 22/10/25	mg/m3	-	0.005	0.056	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

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Sampled By : Keerati Taweerat

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Analysis / Test Report

TESTING
No.0009

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-20
Sampled Date	Oct 22, 2025
Sample Description	Air Quality
Location	หมู่ที่ 3 ตำบลท่าหลวง (GPS 47P 674895, 1574350)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.6 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	22/10/25 - 23/10/25	mg/m3	-	0.005	0.021	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	22/10/25 - 23/10/25	ug/m3	-	5.0	14.1	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	22/10/25 - 23/10/25	mg/m3	-	0.005	0.044	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

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Sampled By : Keerati Taweerat

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Analysis / Test Report

TESTING
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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-21
Sampled Date	Oct 23, 2025
Sample Description	Air Quality
Location	หมู่ที่ 3 ตำบลท่าหลวง (GPS 47P 674895, 1574350)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	34.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	23/10/25 - 24/10/25	mg/m3	-	0.005	0.020	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	23/10/25 - 24/10/25	ug/m3	-	5.0	16.3	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	23/10/25 - 24/10/25	mg/m3	-	0.005	0.047	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

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Analysis / Test Report

TESTING
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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-22
Sampled Date	Oct 17, 2025
Sample Description	Air Quality
Location	หมู่ที่ 2 ตำบลท่าหลวง (GPS 47P 672742, 1578163)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	17/10/25 - 18/10/25	mg/m3	-	0.005	0.023	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	17/10/25 - 18/10/25	ug/m3	-	5.0	20.2	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	17/10/25 - 18/10/25	mg/m3	-	0.005	0.039	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
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Sampled By : Keerati Taweerat

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-23
Sampled Date	Oct 18, 2025
Sample Description	Air Quality
Location	หมู่ที่ 2 ตำบลท่าหลวง (GPS 47P 672742, 1578163)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	32.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	18/10/25 - 19/10/25	mg/m3	-	0.005	0.022	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	18/10/25 - 19/10/25	ug/m3	-	5.0	17.5	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	18/10/25 - 19/10/25	mg/m3	-	0.005	0.033	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-24
Sampled Date	Oct 19, 2025
Sample Description	Air Quality
Location	หมู่ที่ 2 ตำบลท่าหลวง (GPS 47P 672742, 1578163)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	32.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	19/10/25 - 20/10/25	mg/m3	-	0.005	0.018	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	19/10/25 - 20/10/25	ug/m3	-	5.0	15.4	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	19/10/25 - 20/10/25	mg/m3	-	0.005	0.033	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
NEB 2022 : Notification of the National Environmental Board., 2022 (B.E.2565)
NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004
Sampled By : Keerati Taweerat

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Approved by
Orawan Rakyong
Scientist (3)

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12194-41/ EMAIL

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-25
Sampled Date	Oct 20, 2025
Sample Description	Air Quality
Location	หมู่ที่ 2 ตำบลน้ำพหำ (GPS 47P 672742, 1578163)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.6 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	20/10/25 - 21/10/25	mg/m3	-	0.005	0.027	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	20/10/25 - 21/10/25	ug/m3	-	5.0	25.3	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	20/10/25 - 21/10/25	mg/m3	-	0.005	0.046	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
NEB 2022 : Notification of the National Environmental Board., 2022 (B.E.2565)
NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004
Sampled By : Keerati Taweerat

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-26
Sampled Date	Oct 21, 2025
Sample Description	Air Quality
Location	หมู่ที่ 2 ตำบลน้ำพหำ (GPS 47P 672742, 1578163)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.3 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	21/10/25 - 22/10/25	mg/m3	-	0.005	0.029	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	21/10/25 - 22/10/25	ug/m3	-	5.0	25.7	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	21/10/25 - 22/10/25	mg/m3	-	0.005	0.050	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
NEB 2022 : Notification of the National Environmental Board., 2022 (B.E.2565)
NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004
Sampled By : Keerati Taweerat

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-27
Sampled Date	Oct 22, 2025
Sample Description	Air Quality
Location	หมู่ที่ 2 ตำบลน้ำพหำ (GPS 47P 672742, 1578163)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.7 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	22/10/25 - 23/10/25	mg/m3	-	0.005	0.023	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	22/10/25 - 23/10/25	ug/m3	-	5.0	17.2	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	22/10/25 - 23/10/25	mg/m3	-	0.005	0.047	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
NEB 2022 : Notification of the National Environmental Board., 2022 (B.E.2565)
NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004
Sampled By : Keerati Taweerat

Remark :
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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595669
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3427477-1CB

Sample Number	2595669-28
Sampled Date	Oct 23, 2025
Sample Description	Air Quality
Location	หมู่ที่ 2 ตำบลน้ำพหำ (GPS 47P 672742, 1578163)
Date Analysis Commenced	Oct 30, 2025
Condition of Sample	Drawn into one filter paper placed in plastic cassette, one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure	758 mmHg
Atmospheric Temperature	33.5 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	23/10/25 - 24/10/25	mg/m3	-	0.005	0.017	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok
Particulate Matter as PM 2.5 *	23/10/25 - 24/10/25	ug/m3	-	5.0	14.6	37.5	U.S. Environmental Protection Agency 40 CFR Part 50	NEB 2022	Bangkok
Total Suspended Particulate	23/10/25 - 24/10/25	mg/m3	-	0.005	0.040	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24	Bangkok

Guideline :
NEB 2022 : Notification of the National Environmental Board., 2022 (B.E.2565)
NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004
Sampled By : Keerati Taweerat

Remark :
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595674
Date Received : Oct 28, 2025
Date Reported : Oct 31, 2025
Report Number : 3427481-1C8

Sample Description Air Quality
Location รพ.สต.บ้านหว้า (GPS 47P 673091, 1758462)
Parameter Sulfur Dioxide (ppm)
Measurement Date Oct 17, 2025 - Oct 24, 2025
Measurement by Keerati Taweerat

Time	2595674-1 Oct 17, 2025	2595674-2 Oct 18, 2025	2595674-3 Oct 19, 2025	2595674-4 Oct 20, 2025	2595674-5 Oct 21, 2025	2595674-6 Oct 22, 2025	2595674-7 Oct 23, 2025
10:00 AM - 11:00 AM	0.0015	0.0021	0.0011	0.0011	0.0011	0.0010	0.0011
11:00 AM - 12:00 PM	0.0014	0.0021	0.0011	0.0011	0.0011	0.0010	0.0010
12:00 PM - 01:00 PM	0.0015	0.0022	0.0011	0.0011	0.0011	0.0010	0.0010
01:00 PM - 02:00 PM	0.0015	0.0002	0.0011	0.0011	0.0012	0.0010	0.0002
02:00 PM - 03:00 PM	0.0015	0.0011	0.0011	0.0011	0.0012	0.0010	0.0002
03:00 PM - 04:00 PM	0.0015	0.0006	0.0011	0.0011	0.0012	0.0010	0.0002
04:00 PM - 05:00 PM	0.0014	0.0011	0.0011	0.0012	0.0010	0.0010	0.0003
05:00 PM - 06:00 PM	0.0016	0.0011	0.0010	0.0011	0.0010	0.0010	0.0003
06:00 PM - 07:00 PM	0.0015	0.0011	0.0011	0.0011	0.0010	0.0010	0.0004
07:00 PM - 08:00 PM	0.0016	0.0011	0.0011	0.0011	0.0010	0.0010	0.0005
08:00 PM - 09:00 PM	0.0017	0.0011	0.0011	0.0011	0.0010	0.0010	0.0007
09:00 PM - 10:00 PM	0.0016	0.0010	0.0011	0.0011	0.0011	0.0010	0.0008
10:00 PM - 11:00 PM	0.0007	0.0011	0.0011	0.0011	0.0011	0.0010	0.0009
11:00 PM - 12:00 AM	0.0020	0.0011	0.0011	0.0013	0.0010	0.0010	0.0008
12:00 AM - 01:00 AM	0.0021	0.0011	0.0011	0.0013	0.0010	0.0010	0.0009
01:00 AM - 02:00 AM	0.0020	0.0011	0.0011	0.0012	0.0010	0.0010	0.0010
02:00 AM - 03:00 AM	0.0020	0.0010	0.0011	0.0012	0.0010	0.0010	0.0011
03:00 AM - 04:00 AM	0.0020	0.0010	0.0011	0.0012	0.0010	0.0010	0.0012
04:00 AM - 05:00 AM	0.0020	0.0010	0.0011	0.0012	0.0010	0.0010	0.0012
05:00 AM - 06:00 AM	0.0019	0.0010	0.0011	0.0012	0.0010	0.0010	0.0011
06:00 AM - 07:00 AM	0.0020	0.0010	0.0006	0.0012	0.0010	0.0010	0.0011
07:00 AM - 08:00 AM	0.0019	0.0010	0.0011	0.0012	0.0010	0.0011	0.0013
08:00 AM - 09:00 AM	0.0020	0.0010	0.0011	0.0012	0.0010	0.0011	0.0011
09:00 AM - 10:00 AM	0.0020	0.0011	0.0011	0.0012	0.0010	0.0011	0.0012
Average	0.0017	0.0011	0.0011	0.0012	0.0010	0.0010	0.0008
1hr - Maximum	0.0021	0.0022	0.0011	0.0013	0.0012	0.0011	0.0013
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).
Reference Method : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

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Scientist (3)

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595674
Date Received : Oct 28, 2025
Date Reported : Oct 31, 2025
Report Number : 3440004-1C8

Sample Description Air Quality
Location โรงเรียนเจ้าฟ้าชาย (GPS 47P 670164, 1575124)
Parameter Sulfur Dioxide (ppm)
Measurement Date Oct 17, 2025 - Oct 24, 2025
Measurement by Keerati Taweerat

Time	2595674-8 Oct 17, 2025	2595674-9 Oct 18, 2025	2595674-10 Oct 19, 2025	2595674-11 Oct 20, 2025	2595674-12 Oct 21, 2025	2595674-13 Oct 22, 2025	2595674-14 Oct 23, 2025
11:00 AM - 12:00 PM	0.0019	0.0023	0.0026	0.0028	0.0027	0.0025	0.0025
12:00 PM - 01:00 PM	0.0024	0.0023	0.0025	0.0028	0.0026	0.0024	0.0027
01:00 PM - 02:00 PM	0.0023	0.0022	0.0025	0.0026	0.0026	0.0025	0.0033
02:00 PM - 03:00 PM	0.0022	0.0022	0.0020	0.0025	0.0027	0.0025	0.0028
03:00 PM - 04:00 PM	0.0022	0.0023	0.0026	0.0025	0.0022	0.0026	0.0036
04:00 PM - 05:00 PM	0.0022	0.0023	0.0026	0.0024	0.0032	0.0029	0.0030
05:00 PM - 06:00 PM	0.0022	0.0023	0.0025	0.0024	0.0031	0.0050	0.0029
06:00 PM - 07:00 PM	0.0022	0.0023	0.0025	0.0025	0.0029	0.0046	0.0025
07:00 PM - 08:00 PM	0.0022	0.0023	0.0027	0.0025	0.0038	0.0030	0.0032
08:00 PM - 09:00 PM	0.0021	0.0023	0.0028	0.0025	0.0031	0.0027	0.0030
09:00 PM - 10:00 PM	0.0021	0.0023	0.0026	0.0024	0.0027	0.0027	0.0032
10:00 PM - 11:00 PM	0.0021	0.0023	0.0026	0.0025	0.0026	0.0026	0.0031
11:00 PM - 12:00 AM	0.0021	0.0023	0.0026	0.0025	0.0026	0.0026	0.0030
12:00 AM - 01:00 AM	0.0021	0.0024	0.0025	0.0025	0.0026	0.0026	0.0026
01:00 AM - 02:00 AM	0.0022	0.0024	0.0025	0.0024	0.0026	0.0025	0.0025
02:00 AM - 03:00 AM	0.0022	0.0024	0.0025	0.0025	0.0027	0.0026	0.0025
03:00 AM - 04:00 AM	0.0021	0.0024	0.0024	0.0025	0.0026	0.0025	0.0026
04:00 AM - 05:00 AM	0.0022	0.0024	0.0024	0.0025	0.0026	0.0009	0.0031
05:00 AM - 06:00 AM	0.0022	0.0024	0.0025	0.0025	0.0026	0.0024	0.0030
06:00 AM - 07:00 AM	0.0022	0.0025	0.0025	0.0026	0.0025	0.0025	0.0026
07:00 AM - 08:00 AM	0.0022	0.0025	0.0026	0.0026	0.0026	0.0026	0.0027
08:00 AM - 09:00 AM	0.0023	0.0026	0.0029	0.0027	0.0026	0.0025	0.0030
09:00 AM - 10:00 AM	0.0024	0.0025	0.0028	0.0028	0.0027	0.0025	0.0022
10:00 AM - 11:00 AM	0.0023	0.0025	0.0029	0.0029	0.0025	0.0024	0.0027
Average	0.0022	0.0024	0.0026	0.0026	0.0027	0.0027	0.0028
1hr - Maximum	0.0024	0.0026	0.0029	0.0029	0.0038	0.0050	0.0036
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).
Reference Method : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595674
Date Received : Oct 28, 2025
Date Reported : Oct 31, 2025
Report Number : 3440005-1C8

Sample Description Air Quality
Location หมู่ที่ 3 ด้านหน้าหมอน (GPS 47P 674895, 1574350)
Parameter Sulfur Dioxide (ppm)
Measurement Date Oct 17, 2025 - Oct 24, 2025
Measurement by Keerati Taweerat

Time	2595674-15 Oct 17, 2025	2595674-16 Oct 18, 2025	2595674-17 Oct 19, 2025	2595674-18 Oct 20, 2025	2595674-19 Oct 21, 2025	2595674-20 Oct 22, 2025	2595674-21 Oct 23, 2025
12:00 PM - 01:00 PM	0.0002	0.0003	<0.0001	0.0002	0.0008	0.0013	0.0011
01:00 PM - 02:00 PM	0.0003	0.0003	<0.0001	0.0002	0.0011	0.0010	0.0011
02:00 PM - 03:00 PM	0.0004	0.0003	<0.0001	0.0003	0.0009	0.0010	0.0009
03:00 PM - 04:00 PM	0.0004	0.0004	<0.0001	0.0004	0.0011	0.0009	0.0009
04:00 PM - 05:00 PM	0.0004	0.0004	0.0003	0.0004	0.0010	0.0014	0.0010
05:00 PM - 06:00 PM	0.0003	0.0004	0.0004	0.0004	0.0014	0.0024	0.0011
06:00 PM - 07:00 PM	0.0004	0.0004	0.0005	0.0004	0.0011	0.0027	0.0015
07:00 PM - 08:00 PM	0.0004	0.0003	0.0008	0.0005	0.0014	0.0029	0.0008
08:00 PM - 09:00 PM	0.0004	0.0004	<0.0001	0.0004	0.0009	0.0021	0.0015
09:00 PM - 10:00 PM	0.0004	0.0004	0.0004	0.0004	0.0028	0.0018	0.0024
10:00 PM - 11:00 PM	0.0004	0.0004	0.0005	0.0004	0.0029	0.0013	0.0044
11:00 PM - 12:00 AM	0.0004	0.0004	0.0004	0.0004	0.0022	0.0013	0.0034
12:00 AM - 01:00 AM	0.0004	0.0004	0.0004	0.0004	0.0015	0.0019	0.0035
01:00 AM - 02:00 AM	0.0004	0.0004	0.0004	0.0004	0.0013	0.0016	0.0035
02:00 AM - 03:00 AM	0.0004	0.0004	0.0004	0.0004	0.0012	0.0029	0.0025
03:00 AM - 04:00 AM	0.0004	0.0004	0.0004	0.0004	0.0016	0.0036	0.0029
04:00 AM - 05:00 AM	0.0005	0.0004	0.0004	0.0004	0.0021	0.0026	0.0011
05:00 AM - 06:00 AM	0.0004	0.0004	0.0004	0.0004	0.0029	0.0032	0.0035
06:00 AM - 07:00 AM	0.0004	0.0003	0.0002	0.0004	0.0028	0.0018	0.0026
07:00 AM - 08:00 AM	0.0004	<0.0001	<0.0001	0.0003	0.0026	0.0019	0.0019
08:00 AM - 09:00 AM	0.0004	<0.0001	0.0007	0.0003	0.0025	0.0023	0.0017
09:00 AM - 10:00 AM	0.0003	0.0002	0.0007	0.0002	0.0022	0.0020	0.0017
10:00 AM - 11:00 AM	0.0002	<0.0001	0.0003	0.0002	0.0019	0.0013	0.0017
11:00 AM - 12:00 PM	0.0003	<0.0001	0.0002	0.0006	0.0020	0.0012	0.0016
Average	0.0004	0.0003	0.0003	0.0004	0.0018	0.0019	0.0021
1hr - Maximum	0.0005	0.0004	0.0008	0.0006	0.0029	0.0036	0.0044
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).
Reference Method : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

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Approved by
Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595674
Date Received : Oct 28, 2025
Date Reported : Oct 31, 2025
Report Number : 3440008-1C8

Sample Description Air Quality
Location หมู่ที่ 2 ด้านหน้าหว้า (GPS 47P 672742, 1578163)
Parameter Sulfur Dioxide (ppm)
Measurement Date Oct 17, 2025 - Oct 24, 2025
Measurement by Keerati Taweerat

Time	2595674-22 Oct 17, 2025	2595674-23 Oct 18, 2025	2595674-24 Oct 19, 2025	2595674-25 Oct 20, 2025	2595674-26 Oct 21, 2025	2595674-27 Oct 22, 2025	2595674-28 Oct 23, 2025
09:00 AM - 10:00 AM	0.0016	<0.0001	0.0003	<0.0001	0.0005	0.0004	0.0004
10:00 AM - 11:00 AM	0.0013	0.0001	0.0003	0.0004	0.0005	0.0002	0.0003
11:00 AM - 12:00 PM	0.0013	<0.0001	0.0004	0.0006	0.0006	0.0004	0.0003
12:00 PM - 01:00 PM	0.0013	<0.0001	0.0003	0.0007	0.0006	0.0005	0.0005
01:00 PM - 02:00 PM	0.0014	0.0002	0.0001	0.0007	0.0007	0.0007	0.0006
02:00 PM - 03:00 PM	0.0013	0.0002	<0.0001	0.0009	0.0008	0.0008	0.0006
03:00 PM - 04:00 PM	0.0013	0.0002	0.0001	0.0009	0.0008	0.0008	0.0005
04:00 PM - 05:00 PM	0.0011	<0.0001	0.0002	0.0007	0.0006	0.0006	<0.0001
05:00 PM - 06:00 PM	0.0008	0.0002	0.0003	0.0007	0.0005	0.0006	0.0001
06:00 PM - 07:00 PM	0.0008	0.0001	0.0002	0.0005	0.0005	0.0005	0.0002
07:00 PM - 08:00 PM	0.0006	0.0002	0.0002	0.0006	0.0006	0.0005	0.0002
08:00 PM - 09:00 PM	0.0006	<0.0001	0.0002	0.0008	0.0006	0.0005	0.0001
09:00 PM - 10:00 PM	0.0007	<0.0001	<0.0001	0.0005	0.0005	0.0004	<0.0001
10:00 PM - 11:00 PM	0.0005	0.0001	0.0002	0.0005	0.0004	0.0005	0.0001
11:00 PM - 12:00 AM	0.0006	0.0002	0.0002	0.0007	0.0002	0.0005	<0.0001
12:00 AM - 01:00 AM	0.0005	0.0002	0.0004	0.0006	0.0004	0.0002	0.0002
01:00 AM - 02:00 AM	0.0005	0.0002	0.0004	0.0006	0.0004	0.0003	0.0002
02:00 AM - 03:00 AM	0.0004	0.0002	0.0003	0.0005	0.0005	0.0004	<0.0001
03:00 AM - 04:00 AM	0.0004	0.0001	0.0003	0.0004	0.0004	0.0005	<0.0001
04:00 AM - 05:00 AM	0.0005	0.0002	0.0002	0.0005	0.0006	0.0003	0.0002
05:00 AM - 06:00 AM	0.0005	<0.0001	0.0002	0.0006	0.0006	0.0003	0.0002
06:00 AM - 07:00 AM	0.0005	0.0002	<0.0001	0.0006	0.0006	0.0004	0.0002
07:00 AM - 08:00 AM	0.0004	0.0003	0.0002	0.0005	0.0006	0.0004	0.0002
08:00 AM - 09:00 AM	0.0002	0.0001	0.0002	0.0006	0.0005	0.0004	0.0003
Average	0.0008	0.0001	0.0002	0.0006	0.0005	0.0005	0.0002
1hr - Maximum	0.0016	0.0003	0.0004	0.0009	0.0008	0.0008	0.0006
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).
Reference Method : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

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Approved by
Orawan Rakyong
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595676
Date Received :Oct 28, 2025
Date Reported :Oct 31, 2025
Report Number :3438394-1 C8

Sample Number 2595676-1 to 7
Parameter Temperature
Location รพ.สต.บ้านหว้า (GPS 47P 0673091, 1758462)
Sampling Date Oct 17 - Oct 24, 2025
Sampling by Keerati Taweerat

Time	Temperature (°C)						
	Oct 17 - Oct 18, 2025	Oct 18 - Oct 19, 2025	Oct 19 - Oct 20, 2025	Oct 20 - Oct 21, 2025	Oct 21 - Oct 22, 2025	Oct 22 - Oct 23, 2025	Oct 23 - Oct 24, 2025
09:00 AM - 10:00 AM	34.8	33.4	34.0	33.0	32.1	28.8	28.3
10:00 AM - 11:00 AM	34.9	33.2	34.0	33.2	32.7	30.5	29.4
11:00 AM - 12:00 PM	33.7	33.4	35.1	33.5	32.7	31.4	31.0
12:00 PM - 01:00 PM	26.2	34.0	34.7	33.0	33.7	32.7	29.9
01:00 PM - 02:00 PM	25.4	34.5	27.6	33.1	33.1	32.3	30.6
02:00 PM - 03:00 PM	26.5	33.4	28.7	33.2	32.9	32.2	30.4
03:00 PM - 04:00 PM	26.6	32.6	29.4	32.4	31.9	31.5	29.9
04:00 PM - 05:00 PM	26.6	32.0	28.1	32.6	31.2	30.6	29.2
05:00 PM - 06:00 PM	26.8	32.1	29.0	31.5	30.4	29.8	28.4
06:00 PM - 07:00 PM	26.5	29.9	28.4	30.0	29.5	29.3	28.3
07:00 PM - 08:00 PM	26.7	28.9	28.3	29.8	28.9	28.3	28.1
08:00 PM - 09:00 PM	26.7	28.9	27.8	27.4	28.4	27.7	27.8
09:00 PM - 10:00 PM	25.6	26.7	26.8	27.2	28.2	27.2	27.2
10:00 PM - 11:00 PM	25.7	26.7	27.5	27.6	27.5	26.5	26.7
11:00 PM - 12:00 AM	25.5	27.2	26.5	27.8	26.8	26.2	26.1
12:00 AM - 01:00 AM	25.6	26.4	26.4	27.9	26.7	25.9	25.7
01:00 AM - 02:00 AM	26.6	25.8	25.6	27.6	26.4	25.9	25.3
02:00 AM - 03:00 AM	26.3	25.8	26.7	27.2	26.2	25.4	25.3
03:00 AM - 04:00 AM	26.7	26.2	28.0	26.8	26.0	25.1	25.0
04:00 AM - 05:00 AM	27.7	27.0	28.5	26.7	25.7	24.9	24.8
05:00 AM - 06:00 AM	28.8	28.6	29.0	26.6	25.5	24.6	24.5
06:00 AM - 07:00 AM	29.0	29.9	29.9	27.2	25.7	25.0	24.8
07:00 AM - 08:00 AM	31.0	30.2	30.3	28.3	26.7	26.1	25.9
08:00 AM - 09:00 AM	32.2	32.2	31.4	29.8	28.4	26.8	27.9
Average – 24 hr	28.0	30.0	29.2	29.7	29.1	28.1	27.5
Max – 1 hr	34.9	34.5	35.1	33.5	33.7	32.7	31.0
Min – 1 hr	25.4	25.8	25.6	26.6	25.5	24.6	24.5

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595676
Date Received :Oct 28, 2025
Date Reported :Oct 31, 2025
Report Number :3438411-1 C8

Sample Number 2595676-8 to 14
Parameter Temperature
Location โรงเรียนเจ้าฟ้าสร้าง (GPS 47P 0670164, 1575124)
Sampling Date Oct 17 - Oct 24, 2025
Sampling by Keerati Taweerat

Time	Temperature (°C)						
	Oct 17 - Oct 18, 2025	Oct 18 - Oct 19, 2025	Oct 19 - Oct 20, 2025	Oct 20 - Oct 21, 2025	Oct 21 - Oct 22, 2025	Oct 22 - Oct 23, 2025	Oct 23 - Oct 24, 2025
10:00 AM - 11:00 AM	33.1	33.8	31.7	31.8	32.5	30.1	30.1
11:00 AM - 12:00 PM	33.1	34.8	32.6	33.2	32.5	30.6	30.6
12:00 PM - 01:00 PM	28.4	33.9	32.5	32.8	32.7	31.5	30.3
01:00 PM - 02:00 PM	26.2	33.1	33.1	34.0	32.9	32.1	30.5
02:00 PM - 03:00 PM	27.0	32.1	33.8	33.4	32.7	31.8	30.6
03:00 PM - 04:00 PM	27.6	30.5	32.2	27.5	32.0	31.4	30.6
04:00 PM - 05:00 PM	27.5	30.1	32.2	20.6	31.5	31.1	29.7
05:00 PM - 06:00 PM	27.7	29.9	31.1	28.8	30.8	30.4	28.8
06:00 PM - 07:00 PM	27.7	29.2	30.9	29.3	30.1	29.8	28.6
07:00 PM - 08:00 PM	27.7	29.0	29.9	29.7	29.5	29.2	28.6
08:00 PM - 09:00 PM	27.7	27.8	29.0	29.5	29.3	28.7	28.3
09:00 PM - 10:00 PM	27.6	27.6	28.9	28.9	29.2	28.1	27.8
10:00 PM - 11:00 PM	28.1	26.9	28.3	28.3	28.4	27.8	27.3
11:00 PM - 12:00 AM	28.1	27.6	27.5	28.4	28.1	27.2	26.8
12:00 AM - 01:00 AM	27.9	27.7	27.9	28.4	27.5	27.1	26.4
01:00 AM - 02:00 AM	27.8	28.2	27.5	27.9	27.3	26.4	26.0
02:00 AM - 03:00 AM	27.6	27.8	27.8	27.7	27.0	26.1	26.0
03:00 AM - 04:00 AM	27.3	27.6	27.9	27.7	26.7	26.1	25.6
04:00 AM - 05:00 AM	27.6	27.3	27.7	27.7	26.6	25.6	25.4
05:00 AM - 06:00 AM	28.6	27.1	27.6	27.6	26.1	25.4	25.1
06:00 AM - 07:00 AM	29.3	27.2	27.6	27.7	26.2	25.5	25.1
07:00 AM - 08:00 AM	31.0	27.9	27.8	28.6	27.1	26.2	26.0
08:00 AM - 09:00 AM	32.3	28.9	28.4	29.5	27.9	26.6	27.3
09:00 AM - 10:00 AM	33.3	30.1	30.3	30.3	28.6	27.8	28.6
Average – 24 hr	28.8	29.4	29.8	29.5	29.3	28.4	27.9
Max – 1 hr	33.3	34.8	33.8	34.0	32.9	32.1	30.6
Min – 1 hr	26.2	26.9	27.5	27.5	26.1	25.4	25.1

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595676
Date Received :Oct 28, 2025
Date Reported :Oct 31, 2025
Report Number :3438412-1 C8

Sample Number 2595676-15 to 21
Parameter Temperature
Location หมู่ที่ 3 ห้วยแก้วแดง (GPS 47P 0674895, 1574350)
Sampling Date Oct 17 - Oct 24, 2025
Sampling by Keerati Taweerat

Time	Temperature (°C)						
	Oct 17 - Oct 18, 2025	Oct 18 - Oct 19, 2025	Oct 19 - Oct 20, 2025	Oct 20 - Oct 21, 2025	Oct 21 - Oct 22, 2025	Oct 22 - Oct 23, 2025	Oct 23 - Oct 24, 2025
12:00 PM - 01:00 PM	27.1	34.4	33.8	35.0	32.7	32.3	31.2
01:00 PM - 02:00 PM	26.6	34.0	32.9	34.2	32.3	32.5	30.9
02:00 PM - 03:00 PM	26.8	34.3	33.1	34.0	31.6	32.0	31.5
03:00 PM - 04:00 PM	27.2	33.6	32.5	26.0	31.0	31.4	30.9
04:00 PM - 05:00 PM	27.2	31.6	32.5	27.7	29.4	30.8	30.0
05:00 PM - 06:00 PM	27.7	30.5	30.1	28.2	29.8	29.9	29.2
06:00 PM - 07:00 PM	27.5	30.3	30.0	28.1	29.9	29.5	28.9
07:00 PM - 08:00 PM	27.0	29.8	30.1	28.4	29.2	28.9	28.7
08:00 PM - 09:00 PM	27.0	29.7	29.8	27.2	28.8	28.6	28.3
09:00 PM - 10:00 PM	26.9	27.9	29.4	27.3	28.6	26.8	27.9
10:00 PM - 11:00 PM	22.7	27.5	28.2	27.2	28.0	27.1	27.5
11:00 PM - 12:00 AM	26.8	27.0	27.3	27.5	27.8	27.1	26.6
12:00 AM - 01:00 AM	27.5	27.3	27.5	27.7	27.1	26.5	26.2
01:00 AM - 02:00 AM	27.2	27.2	27.1	27.5	27.0	26.5	25.9
02:00 AM - 03:00 AM	27.9	27.7	27.3	27.5	27.0	26.4	25.7
03:00 AM - 04:00 AM	27.7	27.7	27.5	27.5	26.7	25.9	25.4
04:00 AM - 05:00 AM	27.5	27.2	27.8	26.4	26.2	25.6	25.1
05:00 AM - 06:00 AM	27.3	27.1	27.6	27.0	26.0	25.5	24.9
06:00 AM - 07:00 AM	27.3	27.1	27.5	27.5	26.2	25.7	25.3
07:00 AM - 08:00 AM	28.9	29.4	28.1	29.5	27.8	27.0	27.6
08:00 AM - 09:00 AM	31.4	31.5	28.7	31.2	29.8	27.6	28.9
09:00 AM - 10:00 AM	32.7	32.5	33.2	33.7	30.3	29.7	31.6
10:00 AM - 11:00 AM	34.8	33.3	33.1	34.3	32.3	30.8	32.0
11:00 AM - 12:00 PM	35.4	34.9	35.5	33.4	33.2	32.5	34.0
Average – 24 hr	28.2	30.1	30.1	29.4	29.1	28.6	28.5
Max – 1 hr	35.4	34.9	35.5	35.0	33.2	32.5	34.0
Min – 1 hr	22.7	27.0	27.1	26.0	26.0	25.5	24.9

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595676
Date Received :Oct 28, 2025
Date Reported :Oct 31, 2025
Report Number :3427486-1 C8

Sample Number 2595676-22 to 28
Parameter Temperature
Location หมู่ที่ 2 ห้วยแก้วแดง (GPS 47P 0672742, 1578163)
Sampling Date Oct 17 - Oct 24, 2025
Sampling by Keerati Taweerat

Time	Temperature (°C)						
	Oct 17 - Oct 18, 2025	Oct 18 - Oct 19, 2025	Oct 19 - Oct 20, 2025	Oct 20 - Oct 21, 2025	Oct 21 - Oct 22, 2025	Oct 22 - Oct 23, 2025	Oct 23 - Oct 24, 2025
09:00 AM - 10:00 AM	33.9	33.6	32.8	32.8	34.2	31.4	30.3
10:00 AM - 11:00 AM	33.7	33.9	32.8	34.7	34.7	32.8	32.1
11:00 AM - 12:00 PM	34.3	34.4	33.1	36.2	34.9	34.3	33.1
12:00 PM - 01:00 PM	33.6	35.6	36.1	36.1	35.4	34.2	32.0
01:00 PM - 02:00 PM	27.0	36.0	36.2	36.9	35.3	34.2	32.5
02:00 PM - 03:00 PM	26.6	36.7	34.3	38.2	35.1	34.2	31.8
03:00 PM - 04:00 PM	27.0	35.3	35.5	28.7	34.0	33.9	31.8
04:00 PM - 05:00 PM	27.2	32.9	34.0	30.0	32.6	32.5	30.0
05:00 PM - 06:00 PM	27.5	31.8	32.0	29.4	31.0	30.5	29.4
06:00 PM - 07:00 PM	27.3	31.4	31.2	29.3	30.3	29.5	28.9
07:00 PM - 08:00 PM	27.2	28.8	29.8	29.7	29.4	29.0	28.6
08:00 PM - 09:00 PM	27.3	29.0	29.2	29.5	28.9	28.2	28.2
09:00 PM - 10:00 PM	27.2	28.8	28.7	29.3	28.6	27.8	27.7
10:00 PM - 11:00 PM	27.0	28.2	28.1	28.8	27.9	27.6	27.2
11:00 PM - 12:00 AM	27.3	28.2	27.7	28.8	27.7	26.8	26.6
12:00 AM - 01:00 AM	27.8	27.8	27.7	28.4	27.3	26.8	26.1
01:00 AM - 02:00 AM	27.6	27.8	27.5	28.1	27.0	26.4	25.6
02:00 AM - 03:00 AM	27.6	27.7	27.8	27.8	26.8	25.9	25.6
03:00 AM - 04:00 AM	27.6	27.3	27.8	27.5	26.6	25.6	25.4
04:00 AM - 05:00 AM	27.1	27.0	27.7	27.3	26.2	25.4	25.1
05:00 AM - 06:00 AM	27.2	26.7	27.3	27.3	25.9	24.9	24.8
06:00 AM - 07:00 AM	27.9	28.3	27.7	28.2	26.5	26.2	25.9
07:00 AM - 08:00 AM	30.3	30.1	28.4	30.3	28.7	27.0	28.1
08:00 AM - 09:00 AM	32.1	31.8	29.9	32.1	30.3	28.1	28.3
Average – 24 hr	28.7	30.8	30.6	30.7	30.2	29.3	28.5
Max – 1 hr	34.3	36.7	36.2	38.2	35.4	34.3	33.1
Min – 1 hr	26.6	26.7	27.3	27.3	25.9	24.9	24.8

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595678
Date Received :Oct 28, 2025
Date Reported :Nov 03, 2025
Report Number :3427488-1 C8

Sample Number 2595678-1 to 7
Parameter Wind Speed / Wind Direction
Location รพ.สต.บ้านพร้า (GPS 47P 0673091, 1758462)
Sampling Date Oct 17 - Oct 24, 2025
Sampling by Keerati Taweerat

Time	Oct 17 - Oct 18, 2025			Oct 18 - Oct 19, 2025			Oct 19 - Oct 20, 2025			Oct 20 - Oct 21, 2025			Oct 21 - Oct 22, 2025			Oct 22 - Oct 23, 2025			Oct 23 - Oct 24, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
09:00 AM - 10:00 AM	0.3	317.0	NW	1.2	31.0	NNE	1.5	26.0	NNE	0.6	64.0	ENE	1.7	18.0	NNE	1.3	24.0	NNE	4.0	16.0	NNE
10:00 AM - 11:00 AM	1.1	272.0	W	1.6	37.0	NE	2.3	48.0	NE	1.6	24.0	NNE	1.3	28.0	NNE	2.4	21.0	NNE	4.0	13.0	NNE
11:00 AM - 12:00 PM	0.0	-	-	1.1	13.0	NNE	0.0	-	-	1.2	11.0	N	1.0	39.0	NE	1.1	359.0	N	2.6	27.0	NNE
12:00 PM - 01:00 PM	1.2	346.0	NNW	1.3	359.0	N	0.2	-	-	1.4	30.0	NNE	0.4	2.0	N	1.0	9.0	N	2.7	23.0	NNE
01:00 PM - 02:00 PM	0.0	-	-	1.4	333.0	NNW	0.1	-	-	3.0	25.0	NNE	3.7	20.0	NNE	1.8	34.0	NE	1.1	27.0	NNE
02:00 PM - 03:00 PM	0.0	-	-	1.3	359.0	N	0.0	-	-	1.4	21.0	NNE	3.3	33.0	NNE	1.2	40.0	NE	2.9	42.0	NE
03:00 PM - 04:00 PM	0.0	-	-	3.0	358.0	N	0.0	-	-	4.4	31.0	NNE	2.9	35.0	NE	3.0	22.0	NNE	4.0	33.0	NNE
04:00 PM - 05:00 PM	0.0	-	-	1.9	339.0	NNW	0.0	-	-	1.6	21.0	NNE	1.6	0.0	N	0.4	3.0	N	2.5	17.0	NNE
05:00 PM - 06:00 PM	0.0	-	-	3.7	30.0	NNE	0.0	-	-	3.9	203.0	SSW	0.4	8.0	N	1.7	341.0	NNW	1.2	14.0	NNE
06:00 PM - 07:00 PM	0.0	-	-	2.0	13.0	NNE	0.0	-	-	3.1	198.0	SSW	0.0	-	-	1.7	6.0	N	1.7	5.0	N
07:00 PM - 08:00 PM	0.0	-	-	1.7	359.0	N	0.0	-	-	1.0	152.0	SSE	0.0	-	-	1.1	17.0	NNE	4.3	35.0	NE
08:00 PM - 09:00 PM	0.0	-	-	3.3	16.0	NNE	0.0	-	-	0.3	201.0	SSW	2.0	33.0	NNE	0.0	-	-	1.8	339.0	NNW
09:00 PM - 10:00 PM	1.0	261.0	W	3.8	359.0	N	1.8	50.0	NE	1.5	309.0	NW	2.0	15.0	NNE	0.0	-	-	2.7	34.0	NE
10:00 PM - 11:00 PM	2.3	271.0	W	1.3	20.0	NNE	2.8	23.0	NNE	1.2	318.0	NW	0.8	10.0	N	0.0	-	-	2.2	4.0	N
11:00 PM - 12:00 AM	2.4	268.0	W	2.9	37.0	NE	2.2	347.0	NNW	1.2	291.0	WNW	0.4	0.0	N	0.0	-	-	0.2	-	-
12:00 AM - 01:00 AM	1.6	270.0	W	1.8	2.0	N	2.3	18.0	NNE	0.0	-	-	0.9	11.0	N	0.0	-	-	0.7	14.0	NNE
01:00 AM - 02:00 AM	0.7	249.0	WSW	1.8	359.0	N	2.7	48.0	NE	0.0	-	-	0.0	-	-	0.5	27.0	NNE	1.2	11.0	N
02:00 AM - 03:00 AM	2.1	278.0	W	0.9	0.0	N	1.2	118.0	ESE	0.0	-	-	0.9	33.0	NNE	0.0	-	-	1.2	32.0	NNE
03:00 AM - 04:00 AM	0.6	259.0	W	2.7	335.0	NNW	2.1	111.0	ESE	0.0	-	-	1.0	351.0	N	2.0	49.0	NE	1.8	23.0	NNE
04:00 AM - 05:00 AM	0.8	280.0	W	3.3	58.0	ENE	1.5	349.0	N	0.0	-	-	0.3	78.0	ENE	0.9	7.0	N	1.0	11.0	N
05:00 AM - 06:00 AM	0.4	30.0	NNE	1.0	83.0	E	1.1	97.0	E	0.0	-	-	2.3	0.0	N	0.7	15.0	NNE	2.0	4.0	N
06:00 AM - 07:00 AM	0.6	280.0	W	1.9	83.0	E	1.1	16.0	NNE	2.0	21.0	NNE	1.7	7.0	N	2.1	351.0	N	2.6	22.0	NNE
07:00 AM - 08:00 AM	1.3	30.0	NNE	2.4	95.0	E	1.3	21.0	NNE	2.3	27.0	NNE	1.2	338.0	NNW	4.2	15.0	NNE	2.1	36.0	NE
08:00 AM - 09:00 AM	1.2	51.0	NE	0.3	215.0	SW	0.7	29.0	NNE	2.4	353.0	N	2.4	29.0	NNE	0.2	-	-	2.4	35.0	NE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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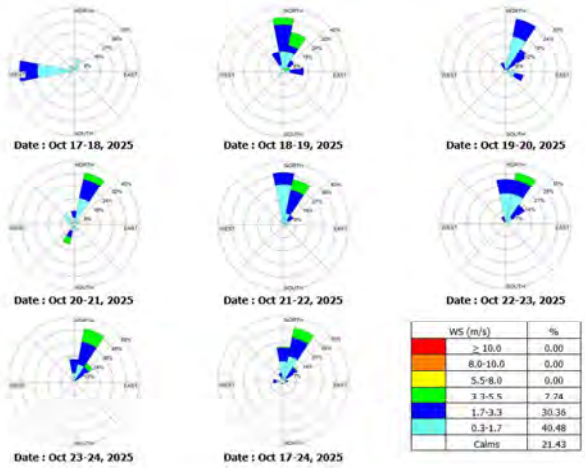
Approved by
Sarayuth Jittranont
Assistant General Manager

Wind Rose



WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	7.24
1.7-3.3	30.36
0.3-1.7	40.48
Calms	21.43

Location : รพ.สต.บ้านพร้า (GPS 47P 0673091, 1758462)

Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595678
Date Received :Oct 28, 2025
Date Reported :Nov 03, 2025
Report Number :3427488-1 C8

Sample Number 2595678-8 to 14
Paranester Wind Speed / Wind Direction
Location โรงเรียนเจ้าฟ้าสร้าง (GPS 47P 0670164, 1575124)
Sampling Date Oct 17 - Oct 24, 2025
Sampling by Keerati Taweerat

Time	Oct 17 - Oct 18, 2025			Oct 18 - Oct 19, 2025			Oct 19 - Oct 20, 2025			Oct 20 - Oct 21, 2025			Oct 21 - Oct 22, 2025			Oct 22 - Oct 23, 2025			Oct 23 - Oct 24, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
10:00 AM - 11:00 AM	1.3	359.0	N	0.0	-	-	1.1	119.0	ESE	1.1	40.0	NE	0.9	109.0	ESE	0.0	-	-	2.2	91.0	E
11:00 AM - 12:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.7	103.0	ESE	1.9	6.0	N	1.8	60.0	ENE	2.5	53.0	NE
12:00 PM - 01:00 PM	5.1	151.0	SSE	0.0	-	-	0.0	-	-	1.2	346.0	NNW	0.0	-	-	0.9	80.0	E	1.1	77.0	ENE
01:00 PM - 02:00 PM	0.9	7.0	N	2.1	13.0	NNE	1.6	17.0	NNE	0.0	-	-	0.9	96.0	E	0.8	76.0	ENE	1.3	359.0	N
02:00 PM - 03:00 PM	0.6	0.0	N	0.0	-	-	0.0	-	-	2.2	5.0	N	0.9	104.0	ESE	0.8	73.0	ENE	1.8	85.0	E
03:00 PM - 04:00 PM	0.2	-	-	0.0	-	-	0.2	-	-	0.0	-	-	0.9	79.0	E	3.4	0.0	N	2.1	113.0	ESE
04:00 PM - 05:00 PM	0.9	27.0	NNE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.7	19.0	NNE	2.3	117.0	ESE
05:00 PM - 06:00 PM	0.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.7	7.0	N	0.4	77.0	ENE
06:00 PM - 07:00 PM	0.3	359.0	N	0.0	-	-	0.0	-	-	0.0	-	-	0.8	20.0	NNE	0.2	-	-	0.0	-	-
07:00 PM - 08:00 PM	1.2	16.0	NNE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.5	16.0	NNE	0.6	113.0	ESE
08:00 PM - 09:00 PM	1.0	359.0	N	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
09:00 PM - 10:00 PM	0.6	353.0	N	0.1	-	-	0.3	135.0	SE	0.0	-	-	0.0	-	-	0.0	-	-	1.4	359.0	N
10:00 PM - 11:00 PM	0.0	-	-	0.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.3	18.0	NNE	1.3	35.0	NE	1.6	17.0	NNE
12:00 AM - 01:00 AM	1.0	359.0	N	0.0	-	-	0.9	0.0	N	0.0	-	-	0.0	-	-	0.0	-	-	0.7	2.0	N
01:00 AM - 02:00 AM	1.9	359.0	N	0.8	14.0	NNE	0.0	-	-	0.0	-	-	0.6	31.0	NNE	0.0	-	-	0.0	-	-
02:00 AM - 03:00 AM	0.6	1.0	N	0.3	15.0	NNE	0.0	-	-	0.0	-	-	0.7	12.0	NNE	0.0	-	-	0.0	-	-
03:00 AM - 04:00 AM	1.3	335.0	NNW	2.6	4.0	N	1.0	17.0	NNE	0.0	-	-	0.4	32.0	NNE	1.4	0.0	N	1.0	60.0	ENE
04:00 AM - 05:00 AM	2.3	36.0	NE	3.5	352.0	N	2.7	359.0	N	0.0	-	-	0.4	27.0	NNE	1.3	0.0	N	0.6	92.0	E
05:00 AM - 06:00 AM	1.7	8.0	N	0.6	60.0	ENE	2.0	42.0	NE	1.0	358.0	N	0.3	79.0	E	0.0	-	-	0.8	2.0	N
06:00 AM - 07:00 AM	2.9	22.0	NNE	2.4	6.0	N	1.4	30.0	NNE	0.0	-	-	0.0	-	-	1.2	40.0	NE	1.0	48.0	NE
07:00 AM - 08:00 AM	3.6	0.0	N	0.6	104.0	ESE	0.6	71.0	ENE	0.0	-	-	0.8	15.0	NNE	0.0	-	-	2.1	50.0	NE
08:00 AM - 09:00 AM	1.0	9.0	N	0.6	94.0	E	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.1	111.0	ESE
09:00 AM - 10:00 AM	0.0	-	-	1.0	117.0	ESE	1.4	348.0	NNW	1.5	9.0	N	0.0	-	-	3.0	35.0	NE	1.5	45.0	NE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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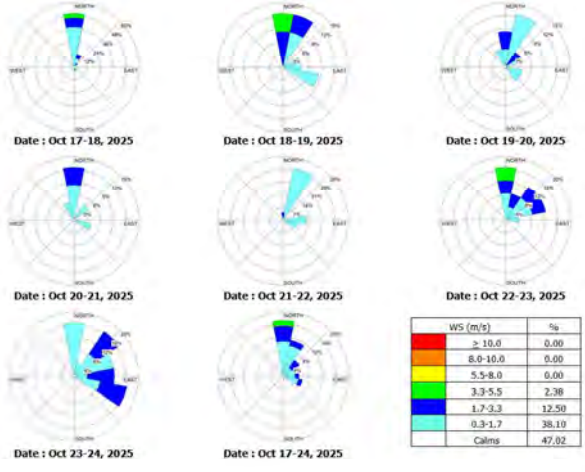
Approved by
Sarayuth Jittranont
Assistant General Manager

Wind Rose



WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	2.38
1.7-3.3	12.50
0.3-1.7	38.10
Calms	47.02

Location : โรงเรียนเจ้าฟ้าสร้าง (GPS 47P 0670164, 1575124)

Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595678
Date Received :Oct 28, 2025
Date Reported :Nov 03, 2025
Report Number :3427488-1 C8

Sample Number 2595678-15 to 21
Parameter Wind Speed / Wind Direction
Location หมู่ที่ 3 ด่านเก้าเหลน (GPS 47P 0674895, 1574350)
Sampling Date Oct 17 – Oct 24, 2025
Sampling by Keerati Taweerat

Time	Oct 17 - Oct 18, 2025			Oct 18 - Oct 19, 2025			Oct 19 - Oct 20, 2025			Oct 20 - Oct 21, 2025			Oct 21 - Oct 22, 2025			Oct 22 - Oct 23, 2025			Oct 23 - Oct 24, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
12:00 PM - 01:00 PM	0.5	340.0	NNW	0.0	-	-	0.7	131.0	SE	0.0	-	-	0.6	359.0	N	0.6	342.0	NNW	1.5	13.0	NNE
01:00 PM - 02:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.6	11.0	N	1.7	346.0	NNW	3.7	59.0	ENE
02:00 PM - 03:00 PM	1.3	36.0	NE	0.0	-	-	0.0	-	-	0.0	-	-	1.1	349.0	N	0.3	340.0	NNW	1.1	43.0	NE
03:00 PM - 04:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	1.6	203.0	SSW	0.2	-	-	0.8	75.0	ENE	1.9	44.0	NE
04:00 PM - 05:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.1	-	-	0.4	357.0	N	2.7	25.0	NNE
05:00 PM - 06:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.7	18.0	NNE	0.6	353.0	N	0.6	314.0	NW
06:00 PM - 07:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.9	15.0	NNE	1.1	10.0	N	0.9	4.0	N
07:00 PM - 08:00 PM	0.0	-	-	0.1	-	-	0.3	358.0	N	0.3	21.0	NNE	0.7	9.0	N	0.3	8.0	N	1.8	1.8	N
08:00 PM - 09:00 PM	0.1	-	-	0.0	-	-	1.3	48.0	NE	0.0	-	-	0.0	-	-	0.0	-	-	1.1	61.0	ENE
09:00 PM - 10:00 PM	0.1	-	-	0.7	91.0	E	0.2	-	-	0.0	-	-	0.1	-	-	0.0	-	-	1.2	356.0	N
10:00 PM - 11:00 PM	0.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	1.1	60.0	ENE
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
12:00 AM - 01:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	1.1	359.0	N
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	0.0	-	-	0.3	33.0	NNE
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.3	359.0	N	0.0	-	-
03:00 AM - 04:00 AM	0.2	-	-	0.5	358.0	N	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
04:00 AM - 05:00 AM	0.3	355.0	N	0.3	357.0	N	0.0	-	-	0.0	-	-	0.0	-	-	0.5	357.0	N	1.1	343.0	NNW
05:00 AM - 06:00 AM	0.4	0.0	N	0.1	-	-	0.6	2.0	N	0.0	-	-	0.6	15.0	NNE	0.0	-	-	0.7	2.0	N
06:00 AM - 07:00 AM	0.4	318.0	NW	0.9	359.0	N	0.0	-	-	1.4	41.0	NE	1.5	8.0	N	0.0	-	-	0.0	-	-
07:00 AM - 08:00 AM	0.4	359.0	N	4.6	52.0	NE	0.0	-	-	0.0	-	-	0.6	342.0	NNW	0.0	-	-	1.3	31.0	NNE
08:00 AM - 09:00 AM	2.2	0.0	N	1.1	3.0	N	1.0	359.0	N	1.0	61.0	ENE	0.9	359.0	N	0.6	27.0	NNE	1.6	16.0	NNE
09:00 AM - 10:00 AM	1.2	23.0	NNE	0.0	-	-	0.5	11.0	N	0.7	11.0	N	0.3	54.0	NE	1.2	49.0	NE	0.2	-	-
10:00 AM - 11:00 AM	0.0	-	-	1.2	28.0	NNE	0.0	-	-	0.1	-	-	1.7	11.0	N	2.3	10.0	N	0.7	63.0	ENE
11:00 AM - 12:00 PM	0.5	12.0	NNE	0.0	-	-	0.0	-	-	0.4	359.0	N	1.8	0.0	N	2.1	10.0	N	0.0	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595678
Date Received :Oct 28, 2025
Date Reported :Nov 03, 2025
Report Number :3427488-1 C8

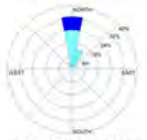
Wind Rose

Date : Oct 17-18, 2025

Date : Oct 18-19, 2025

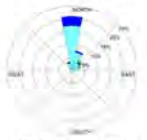
Date : Oct 19-20, 2025

Date : Oct 20-21, 2025


Date : Oct 21-22, 2025

Date : Oct 22-23, 2025

Date : Oct 23-24, 2025


Date : Oct 17-24, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	1.19
1.7-3.3	5.36
0.3-1.7	36.91
Calms	56.55

Location : หมู่ที่ 3 ด่านเก้าเหลน (GPS 47P 0674895, 1574350)

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595678
Date Received :Oct 28, 2025
Date Reported :Nov 03, 2025
Report Number :3427488-1 C8

Sample Number 2595678-22 to 28
Parameter Wind Speed / Wind Direction
Location หมู่ที่ 2 ด่านเก้าเหลน้ำ (GPS 47P 0672742, 1578163)
Sampling Date Oct 17 – Oct 24, 2025
Sampling by Keerati Taweerat

Time	Oct 17 - Oct 18, 2025			Oct 18 - Oct 19, 2025			Oct 19 - Oct 20, 2025			Oct 20 - Oct 21, 2025			Oct 21 - Oct 22, 2025			Oct 22 - Oct 23, 2025			Oct 23 - Oct 24, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
09:00 AM - 10:00 AM	0.0	-	-	0.5	153.0	SSE	3.7	108.0	ESE	1.3	168.0	SSE	1.0	69.0	ENE	3.2	92.0	E	4.2	104.0	ESE
10:00 AM - 11:00 AM	0.4	316.0	NW	3.7	145.0	SE	2.6	108.0	ESE	1.8	227.0	SW	2.4	55.0	NE	5.9	84.0	E	3.0	105.0	ESE
11:00 AM - 12:00 PM	0.6	359.0	N	2.6	180.0	S	2.2	151.0	SSE	2.2	124.0	SE	2.7	76.0	ENE	3.0	98.0	E	3.7	91.0	E
12:00 PM - 01:00 PM	0.0	-	-	3.4	105.0	ESE	2.7	199.0	SSW	1.1	160.0	SSE	4.6	118.0	ESE	6.0	111.0	ESE	4.8	81.0	E
01:00 PM - 02:00 PM	2.8	65.0	ENE	0.6	104.0	ESE	0.3	187.0	S	2.2	40.0	NE	3.7	109.0	ESE	3.5	61.0	ENE	1.6	103.0	ESE
02:00 PM - 03:00 PM	1.0	27.0	NNE	1.1	132.0	SE	0.0	-	-	1.1	76.0	ENE	1.6	116.0	ESE	3.2	92.0	E	5.3	92.0	E
03:00 PM - 04:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.9	228.0	SW	3.1	36.0	NE	1.9	119.0	ESE	3.0	106.0	ESE
04:00 PM - 05:00 PM	0.0	-	-	0.0	-	-	1.9	64.0	ENE	0.0	-	-	0.7	111.0	ESE	3.2	56.0	NE	0.9	107.0	ESE
05:00 PM - 06:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.5	102.0	ESE	1.2	104.0	ESE	2.9	99.0	E
06:00 PM - 07:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.6	114.0	ESE	1.5	84.0	E	1.1	87.0	E
07:00 PM - 08:00 PM	0.0	-	-	0.0	-	-	2.0	126.0	SE	0.0	-	-	0.0	-	-	1.0	133.0	SE	2.5	89.0	E
08:00 PM - 09:00 PM	0.4	54.0	NE	0.0	-	-	1.8	112.0	ESE	0.0	-	-	1.3	88.0	E	0.5	119.0	ESE	1.0	119.0	ESE
09:00 PM - 10:00 PM	0.0	-	-	1.1	151.0	SSE	0.9	162.0	SSE	0.0	-	-	0.3	121.0	ESE	1.6	83.0	E	3.0	79.0	E
10:00 PM - 11:00 PM	0.3	22.0	NNE	0.4	297.0	WNW	0.8	91.0	E	0.0	-	-	1.1	79.0	E	0.6	93.0	E	2.5	90.0	E
11:00 PM - 12:00 AM	0.4	60.0	ENE	0.0	-	-	0.0	-	-	0.0	-	-	1.3	76.0	ENE	1.0	75.0	ENE	2.0	87.0	E
12:00 AM - 01:00 AM	1.6	44.0	NE	0.0	-	-	0.0	-	-	0.0	-	-	1.6	101.0	E	1.5	60.0	ENE	0.7	122.0	ESE
01:00 AM - 02:00 AM	1.0	41.0	NE	0.0	-	-	0.5	82.0	E	0.4	297.0	WNW	0.9	102.0	ESE	0.8	100.0	E	1.3	92.0	E
02:00 AM - 03:00 AM	2.3	40.0	NE	3.6	112.0	ESE	0.0	-	-	0.0	-	-	0.1	-	-	0.5	111.0	ESE	1.1	64.0	ENE
03:00 AM - 04:00 AM	3.2	59.0	ENE	2.1	88.0	E	0.9	86.0	E	0.0	-	-	0.9	61.0	ENE	1.6	91.0	E	1.9	77.0	ENE
04:00 AM - 05:00 AM	2.0	51.0	NE	1.6	92.0	E	1.3	55.0	NE	0.0	-	-	0.9	107.0	ESE	1.8	117.0	ESE	1.9	84.0	E
05:00 AM - 06:00 AM	2.7	34.0	NE	4.1	95.0	E	1.7	71.0	ENE	2.0	82.0	E	2.0	98.0	E	1.2	91.0	E	1.5	100.0	E
06:00 AM - 07:00 AM	3.4	67.0	ENE	4.0	55.0	NE	1.8	73.0	ENE	1.7	81.0	E	1.0	100.0	E	1.9	42.0	NE	2.2	95.0	E
07:00 AM - 08:00 AM	4.8	62.0	ENE	3.9	88.0	E	2.0	94.0	E	1.4	113.0	ESE	3.8	120.0	ESE	3.9	66.0	ENE	1.4	82.0	E
08:00 AM - 09:00 AM	1.8	62.0	ENE	3.7	85.0	E	1.9	94.0	E	0.7	108.0	ESE	1.3	74.0	ENE	2.9	96.0	E	1.2	88.0	E

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

The above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

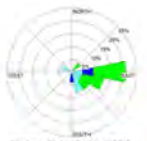
Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

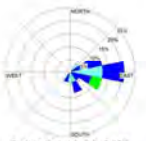
P/O :
Project Name : Monitoring EIA
Project Location : GBL

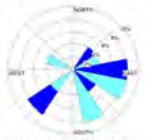
Lot ID: 2595678
Date Received :Oct 28, 2025
Date Reported :Nov 03, 2025
Report Number :3427488-1 C8

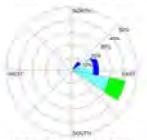
Wind Rose

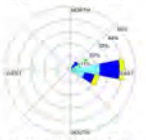
Date : Oct 17-18, 2025

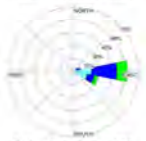

Date : Oct 18-19, 2025


Date : Oct 19-20, 2025


Date : Oct 20-21, 2025


Date : Oct 21-22, 2025


Date : Oct 22-23, 2025


Date : Oct 23-24, 2025

Date : Oct 17-24, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	1.19
3.3-5.5	11.31
1.7-3.3	26.79
0.3-1.7	38.10
Calms	22.62

Location : หมู่ที่ 2 ด่านเก้าเหลน้ำ (GPS 47P 0672742, 1578163)

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595708
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442570-1

Sample Number	2595708-1
Parameter	Noise (Leq 24 hrs.)
Location	จุดตั้งด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date	Oct 17 - Oct 18, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 572563

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	63.0	84.6	59.8
02:00 PM - 03:00 PM	60.1	75.7	58.4
03:00 PM - 04:00 PM	64.9	78.6	63.4
04:00 PM - 05:00 PM	65.0	77.8	63.5
05:00 PM - 06:00 PM	58.2	65.1	57.6
06:00 PM - 07:00 PM	59.1	65.5	58.5
07:00 PM - 08:00 PM	59.4	65.3	58.8
08:00 PM - 09:00 PM	59.3	65.5	58.8
09:00 PM - 10:00 PM	58.2	61.9	57.6
10:00 PM - 11:00 PM	56.7	65.6	55.8
11:00 PM - 12:00 AM	55.4	67.2	55.0
12:00 AM - 01:00 AM	54.8	61.8	54.3
01:00 AM - 02:00 AM	54.9	59.4	54.3
02:00 AM - 03:00 AM	55.5	60.9	54.9
03:00 AM - 04:00 AM	56.3	68.3	55.5
04:00 AM - 05:00 AM	61.8	72.2	59.9
05:00 AM - 06:00 AM	59.9	75.5	56.5
06:00 AM - 07:00 AM	57.9	69.5	56.6
07:00 AM - 08:00 AM	59.9	77.3	58.8
08:00 AM - 09:00 AM	57.7	69.6	57.0
09:00 AM - 10:00 AM	58.0	74.9	57.2
10:00 AM - 11:00 AM	57.3	68.1	56.6
11:00 AM - 12:00 PM	57.5	68.0	56.8
12:00 PM - 01:00 PM	57.6	71.9	56.8
Leq Average 24 hrs. (dB(A))	59.7		
Lmax (dB(A))		84.6	
L90 (dB(A))			57.0
Ldn (dB(A))	64.7		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
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Scientist (4)

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595708
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442571-1

Sample Number	2595708-2
Parameter	Noise (Leq 24 hrs.)
Location	จุดตั้งด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date	Oct 18 - Oct 19, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 572563

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	59.5	83.1	56.0
02:00 PM - 03:00 PM	59.0	80.2	55.9
03:00 PM - 04:00 PM	62.4	75.7	60.6
04:00 PM - 05:00 PM	64.1	71.9	62.5
05:00 PM - 06:00 PM	59.7	65.3	59.2
06:00 PM - 07:00 PM	58.9	67.3	58.1
07:00 PM - 08:00 PM	59.0	73.7	58.2
08:00 PM - 09:00 PM	55.8	63.7	55.2
09:00 PM - 10:00 PM	58.5	66.1	57.5
10:00 PM - 11:00 PM	58.5	65.0	57.8
11:00 PM - 12:00 AM	56.5	60.0	55.9
12:00 AM - 01:00 AM	58.5	66.2	57.9
01:00 AM - 02:00 AM	58.9	60.7	58.4
02:00 AM - 03:00 AM	57.5	61.4	56.9
03:00 AM - 04:00 AM	57.7	68.4	57.1
04:00 AM - 05:00 AM	60.1	72.8	58.6
05:00 AM - 06:00 AM	56.3	75.6	54.8
06:00 AM - 07:00 AM	55.0	67.3	54.2
07:00 AM - 08:00 AM	54.4	65.3	53.6
08:00 AM - 09:00 AM	54.2	70.4	53.2
09:00 AM - 10:00 AM	53.8	76.2	52.9
10:00 AM - 11:00 AM	53.5	63.4	53.0
11:00 AM - 12:00 PM	53.3	63.5	52.6
12:00 PM - 01:00 PM	53.4	60.7	52.9
Leq Average 24 hrs. (dB(A))	58.4		
Lmax (dB(A))		83.1	
L90 (dB(A))			56.0
Ldn (dB(A))	64.4		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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14479-21/ EMAIL S:\Reports_Air Noise.rpt (4.59PM)

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595708
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442572-1

Sample Number	2595708-3
Parameter	Noise (Leq 24 hrs.)
Location	จุดตั้งด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date	Oct 19 - Oct 20, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 572563

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	53.6	66.1	53.0
02:00 PM - 03:00 PM	54.4	70.5	53.1
03:00 PM - 04:00 PM	56.1	73.9	54.6
04:00 PM - 05:00 PM	62.9	73.4	61.1
05:00 PM - 06:00 PM	54.6	71.4	54.1
06:00 PM - 07:00 PM	55.2	67.3	54.5
07:00 PM - 08:00 PM	55.4	62.7	54.9
08:00 PM - 09:00 PM	56.2	68.1	55.6
09:00 PM - 10:00 PM	55.5	62.7	54.7
10:00 PM - 11:00 PM	54.2	73.7	53.7
11:00 PM - 12:00 AM	54.0	60.9	53.6
12:00 AM - 01:00 AM	53.8	59.0	53.4
01:00 AM - 02:00 AM	54.0	59.6	53.6
02:00 AM - 03:00 AM	54.9	65.8	54.3
03:00 AM - 04:00 AM	55.9	63.4	55.2
04:00 AM - 05:00 AM	60.6	70.7	58.7
05:00 AM - 06:00 AM	58.4	73.4	55.3
06:00 AM - 07:00 AM	58.2	73.5	56.5
07:00 AM - 08:00 AM	59.0	82.8	55.6
08:00 AM - 09:00 AM	60.3	84.8	56.0
09:00 AM - 10:00 AM	63.9	76.3	59.9
10:00 AM - 11:00 AM	57.8	71.3	56.8
11:00 AM - 12:00 PM	59.3	72.0	57.4
12:00 PM - 01:00 PM	57.9	67.1	57.2
Leq Average 24 hrs. (dB(A))	58.0		
Lmax (dB(A))		84.8	
L90 (dB(A))			54.9
Ldn (dB(A))	63.4		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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Saranya Chalermthamrong
Scientist (4)

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14479-21/ EMAIL S:\Reports_Air Noise.rpt (4.59PM)

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595708
Date Received : Oct 28, 2025
Date Reported : Nov 05, 2025
Report Number: 3442573-1

Sample Number	2595708-4
Parameter	Noise (Leq 24 hrs.)
Location	จุดตั้งด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date	Oct 20 - Oct 21, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 572563

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	59.9	76.3	58.6
02:00 PM - 03:00 PM	59.5	74.3	58.3
03:00 PM - 04:00 PM	60.7	76.7	59.2
04:00 PM - 05:00 PM	63.5	71.8	62.2
05:00 PM - 06:00 PM	58.5	71.5	57.8
06:00 PM - 07:00 PM	58.9	67.2	58.3
07:00 PM - 08:00 PM	60.1	72.3	59.2
08:00 PM - 09:00 PM	60.0	66.9	59.6
09:00 PM - 10:00 PM	59.2	66.9	58.5
10:00 PM - 11:00 PM	60.0	66.8	59.4
11:00 PM - 12:00 AM	56.7	66.8	55.9
12:00 AM - 01:00 AM	56.2	73.6	55.3
01:00 AM - 02:00 AM	55.8	66.0	55.2
02:00 AM - 03:00 AM	55.8	64.2	55.3
03:00 AM - 04:00 AM	55.7	66.7	55.1
04:00 AM - 05:00 AM	61.1	72.3	59.1
05:00 AM - 06:00 AM	59.0	72.2	56.3
06:00 AM - 07:00 AM	58.7	70.6	56.7
07:00 AM - 08:00 AM	59.3	76.1	58.2
08:00 AM - 09:00 AM	57.6	67.7	56.8
09:00 AM - 10:00 AM	58.0	72.2	57.1
10:00 AM - 11:00 AM	57.0	72.4	56.3
11:00 AM - 12:00 PM	57.3	68.7	56.3
12:00 PM - 01:00 PM	57.3	64.3	56.7
Leq Average 24 hrs. (dB(A))	59.0		
Lmax (dB(A))		76.7	
L90 (dB(A))			57.1
Ldn (dB(A))	64.8		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
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14479-21/ EMAIL S:\Reports_Air Noise.rpt (8.02AM)

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595708
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442574-1

Sample Number	2595708-5
Parameter	Noise (Leq 24 hrs.)
Location	จุดตั้งด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date	Oct 21 - Oct 22, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 572563

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	58.3	76.0	57.4
02:00 PM - 03:00 PM	58.9	72.0	57.7
03:00 PM - 04:00 PM	60.8	78.8	59.3
04:00 PM - 05:00 PM	64.1	72.4	62.7
05:00 PM - 06:00 PM	58.0	65.0	57.4
06:00 PM - 07:00 PM	57.4	71.9	56.6
07:00 PM - 08:00 PM	57.6	74.3	56.6
08:00 PM - 09:00 PM	55.8	63.2	55.3
09:00 PM - 10:00 PM	56.1	64.3	55.4
10:00 PM - 11:00 PM	56.1	69.7	55.3
11:00 PM - 12:00 AM	54.5	68.4	53.8
12:00 AM - 01:00 AM	54.8	73.5	54.0
01:00 AM - 02:00 AM	54.4	63.6	54.0
02:00 AM - 03:00 AM	55.1	63.1	54.6
03:00 AM - 04:00 AM	55.9	70.1	55.0
04:00 AM - 05:00 AM	62.1	71.4	59.8
05:00 AM - 06:00 AM	58.6	72.6	56.0
06:00 AM - 07:00 AM	57.8	71.0	56.6
07:00 AM - 08:00 AM	59.3	72.2	58.1
08:00 AM - 09:00 AM	57.5	70.7	56.8
09:00 AM - 10:00 AM	58.0	70.1	56.9
10:00 AM - 11:00 AM	57.2	72.2	56.4
11:00 AM - 12:00 PM	58.0	84.2	56.8
12:00 PM - 01:00 PM	58.6	75.3	57.1
Leq Average 24 hrs. (dB(A))	58.4		
Lmax (dB(A))		84.2	
L90 (dB(A))			56.6
Ldn (dB(A))	64.0		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการระบาย และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595708
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442575-1

Sample Number	2595708-6
Parameter	Noise (Leq 24 hrs.)
Location	จุดตั้งด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date	Oct 22 - Oct 23, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 572563

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	58.2	73.1	57.2
02:00 PM - 03:00 PM	58.1	75.3	57.2
03:00 PM - 04:00 PM	60.5	72.5	59.0
04:00 PM - 05:00 PM	65.0	74.6	63.5
05:00 PM - 06:00 PM	58.1	72.0	57.4
06:00 PM - 07:00 PM	57.9	69.3	57.2
07:00 PM - 08:00 PM	57.8	68.0	57.1
08:00 PM - 09:00 PM	56.3	70.0	55.7
09:00 PM - 10:00 PM	58.0	69.6	57.2
10:00 PM - 11:00 PM	58.1	68.0	57.1
11:00 PM - 12:00 AM	54.7	71.0	53.9
12:00 AM - 01:00 AM	54.6	72.1	53.7
01:00 AM - 02:00 AM	54.4	66.5	53.7
02:00 AM - 03:00 AM	54.7	63.6	54.2
03:00 AM - 04:00 AM	57.8	75.5	55.3
04:00 AM - 05:00 AM	62.8	73.3	60.5
05:00 AM - 06:00 AM	58.4	73.6	55.8
06:00 AM - 07:00 AM	57.5	70.2	56.2
07:00 AM - 08:00 AM	59.1	66.4	58.0
08:00 AM - 09:00 AM	57.3	64.0	56.5
09:00 AM - 10:00 AM	57.8	72.8	56.9
10:00 AM - 11:00 AM	57.4	65.3	56.6
11:00 AM - 12:00 PM	57.8	67.2	56.8
12:00 PM - 01:00 PM	57.6	69.5	56.8
Leq Average 24 hrs. (dB(A))	58.7		
Lmax (dB(A))		75.5	
L90 (dB(A))			56.8
Ldn (dB(A))	64.5		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการระบาย และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595708
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442576-1

Sample Number	2595708-7
Parameter	Noise (Leq 24 hrs.)
Location	จุดตั้งด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date	Oct 23 - Oct 24, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 572563

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	57.8	65.8	57.0
02:00 PM - 03:00 PM	57.8	66.7	56.8
03:00 PM - 04:00 PM	61.6	72.0	60.0
04:00 PM - 05:00 PM	63.7	72.4	62.5
05:00 PM - 06:00 PM	56.4	63.2	55.9
06:00 PM - 07:00 PM	56.5	63.2	55.7
07:00 PM - 08:00 PM	57.3	65.4	56.5
08:00 PM - 09:00 PM	56.0	60.9	55.4
09:00 PM - 10:00 PM	55.5	64.0	54.9
10:00 PM - 11:00 PM	55.6	65.6	54.6
11:00 PM - 12:00 AM	53.9	59.7	53.4
12:00 AM - 01:00 AM	54.8	58.7	53.3
01:00 AM - 02:00 AM	53.7	59.8	53.3
02:00 AM - 03:00 AM	54.3	62.2	53.8
03:00 AM - 04:00 AM	56.3	72.5	55.0
04:00 AM - 05:00 AM	62.5	73.4	60.1
05:00 AM - 06:00 AM	58.7	74.2	55.9
06:00 AM - 07:00 AM	57.8	76.4	56.6
07:00 AM - 08:00 AM	59.6	74.1	58.4
08:00 AM - 09:00 AM	57.9	72.6	56.9
09:00 AM - 10:00 AM	58.7	77.0	57.2
10:00 AM - 11:00 AM	58.3	71.6	57.1
11:00 AM - 12:00 PM	57.6	67.3	56.8
12:00 PM - 01:00 PM	58.7	74.6	57.1
Leq Average 24 hrs. (dB(A))	58.3		
Lmax (dB(A))		77.0	
L90 (dB(A))			56.5
Ldn (dB(A))	64.0		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการระบาย และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595708
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442577-1

Sample Number	2595708-8
Parameter	Noise (Leq 24 hrs.)
Location	หมู่ที่ 1 ต่างบ้านแลน (GPS 47P 670718, 1575725)
Measurement Date	Oct 17 - Oct 18, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 572552

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	51.7	80.4	47.5
03:00 PM - 04:00 PM	50.5	79.0	41.7
04:00 PM - 05:00 PM	48.8	69.5	44.2
05:00 PM - 06:00 PM	52.1	77.2	43.8
06:00 PM - 07:00 PM	63.0	79.8	57.5
07:00 PM - 08:00 PM	55.5	86.8	48.4
08:00 PM - 09:00 PM	53.4	74.7	48.3
09:00 PM - 10:00 PM	54.1	82.6	47.5
10:00 PM - 11:00 PM	51.6	66.5	48.3
11:00 PM - 12:00 AM	51.5	69.2	48.7
12:00 AM - 01:00 AM	49.5	64.1	47.4
01:00 AM - 02:00 AM	48.5	65.0	46.5
02:00 AM - 03:00 AM	55.3	79.9	50.1
03:00 AM - 04:00 AM	54.1	87.8	49.8
04:00 AM - 05:00 AM	51.6	86.1	42.9
05:00 AM - 06:00 AM	44.1	65.6	41.5
06:00 AM - 07:00 AM	54.9	69.4	51.1
07:00 AM - 08:00 AM	49.3	79.0	46.0
08:00 AM - 09:00 AM	53.3	67.6	48.8
09:00 AM - 10:00 AM	55.9	89.0	50.4
10:00 AM - 11:00 AM	58.2	81.1	53.1
11:00 AM - 12:00 PM	60.9	88.9	53.3
12:00 PM - 01:00 PM	56.7	89.6	48.7
01:00 PM - 02:00 PM	52.4	86.0	45.8
Leq Average 24 hrs. (dB(A))	55.3		
Lmax (dB(A))		89.6	
L90 (dB(A))			48.3
Ldn (dB(A))	59.6		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการระบาย และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595708
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442578-1

Sample Number	2595708-9
Parameter	Noise (Leq 24 hrs.)
Location	หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date	Oct 18 - Oct 19, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 572552

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	53.7	88.2	44.1
03:00 PM - 04:00 PM	56.2	83.9	49.3
04:00 PM - 05:00 PM	53.6	81.3	45.3
05:00 PM - 06:00 PM	53.3	71.3	46.5
06:00 PM - 07:00 PM	53.0	81.1	44.0
07:00 PM - 08:00 PM	54.8	89.3	43.4
08:00 PM - 09:00 PM	57.4	88.8	44.9
09:00 PM - 10:00 PM	52.9	82.7	46.2
10:00 PM - 11:00 PM	48.4	71.1	44.5
11:00 PM - 12:00 AM	44.6	73.9	42.0
12:00 AM - 01:00 AM	48.9	72.5	42.8
01:00 AM - 02:00 AM	45.9	73.1	41.7
02:00 AM - 03:00 AM	43.4	68.5	40.7
03:00 AM - 04:00 AM	54.3	87.5	45.9
04:00 AM - 05:00 AM	51.4	79.3	38.8
05:00 AM - 06:00 AM	47.0	64.0	41.9
06:00 AM - 07:00 AM	50.3	86.0	43.8
07:00 AM - 08:00 AM	47.5	62.0	44.7
08:00 AM - 09:00 AM	58.4	82.4	52.9
09:00 AM - 10:00 AM	58.3	90.6	47.3
10:00 AM - 11:00 AM	58.8	90.4	51.9
11:00 AM - 12:00 PM	55.9	82.4	50.0
12:00 PM - 01:00 PM	56.0	86.4	49.8
01:00 PM - 02:00 PM	54.2	77.4	48.3
Leq Average 24 hrs. (dB(A))	54.2		
Lmax (dB(A))		90.6	
L90 (dB(A))			44.7
Ldn (dB(A))	57.5		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการระบาย และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595708
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442579-1

Sample Number	2595708-10
Parameter	Noise (Leq 24 hrs.)
Location	หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date	Oct 19 - Oct 20, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 572552

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	54.4	96.0	43.2
03:00 PM - 04:00 PM	54.0	84.0	43.4
04:00 PM - 05:00 PM	53.3	81.4	46.2
05:00 PM - 06:00 PM	51.1	77.5	42.4
06:00 PM - 07:00 PM	54.6	81.4	44.9
07:00 PM - 08:00 PM	58.5	86.8	43.9
08:00 PM - 09:00 PM	54.9	82.9	45.3
09:00 PM - 10:00 PM	53.3	84.0	46.4
10:00 PM - 11:00 PM	55.8	89.0	46.6
11:00 PM - 12:00 AM	52.8	88.8	46.5
12:00 AM - 01:00 AM	48.7	63.0	46.3
01:00 AM - 02:00 AM	61.6	88.8	44.4
02:00 AM - 03:00 AM	57.6	92.7	43.8
03:00 AM - 04:00 AM	44.9	63.5	42.9
04:00 AM - 05:00 AM	54.0	86.0	43.0
05:00 AM - 06:00 AM	45.2	56.4	43.1
06:00 AM - 07:00 AM	45.9	58.9	43.1
07:00 AM - 08:00 AM	46.6	68.3	42.9
08:00 AM - 09:00 AM	53.8	69.3	50.2
09:00 AM - 10:00 AM	52.1	83.0	47.5
10:00 AM - 11:00 AM	52.6	78.8	48.5
11:00 AM - 12:00 PM	58.0	88.9	48.2
12:00 PM - 01:00 PM	56.9	89.7	45.9
01:00 PM - 02:00 PM	54.8	90.1	44.4
Leq Average 24 hrs. (dB(A))	54.9		
Lmax (dB(A))		96.0	
L90 (dB(A))			44.4
Ldn (dB(A))	61.6		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการระบาย และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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14479-21/ EMAIL S:\Reports_Air Noise.rpt (5:03PM)

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595708
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442580-1

Sample Number	2595708-11
Parameter	Noise (Leq 24 hrs.)
Location	หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date	Oct 20 - Oct 21, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 572552

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	50.6	78.1	43.6
03:00 PM - 04:00 PM	56.0	88.6	43.1
04:00 PM - 05:00 PM	51.5	78.4	43.0
05:00 PM - 06:00 PM	58.9	88.3	43.1
06:00 PM - 07:00 PM	58.7	83.8	51.5
07:00 PM - 08:00 PM	53.9	77.3	48.6
08:00 PM - 09:00 PM	55.4	75.7	47.9
09:00 PM - 10:00 PM	53.1	81.8	47.0
10:00 PM - 11:00 PM	49.8	67.0	46.7
11:00 PM - 12:00 AM	50.3	70.9	46.1
12:00 AM - 01:00 AM	48.4	69.1	45.1
01:00 AM - 02:00 AM	47.1	74.8	42.9
02:00 AM - 03:00 AM	54.0	88.1	39.6
03:00 AM - 04:00 AM	58.4	91.9	39.9
04:00 AM - 05:00 AM	57.9	94.3	41.1
05:00 AM - 06:00 AM	39.7	69.4	37.0
06:00 AM - 07:00 AM	53.4	90.2	37.9
07:00 AM - 08:00 AM	41.9	64.0	38.1
08:00 AM - 09:00 AM	49.5	80.1	43.4
09:00 AM - 10:00 AM	51.7	82.4	46.2
10:00 AM - 11:00 AM	55.3	89.4	48.1
11:00 AM - 12:00 PM	53.7	79.6	47.2
12:00 PM - 01:00 PM	51.7	81.9	44.5
01:00 PM - 02:00 PM	56.7	86.5	43.1
Leq Average 24 hrs. (dB(A))	54.3		
Lmax (dB(A))		94.3	
L90 (dB(A))			43.4
Ldn (dB(A))	60.3		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการระบาย และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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14479-21/ EMAIL S:\Reports_Air Noise.rpt (5:03PM)

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595708
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442581-1

Sample Number	2595708-12
Parameter	Noise (Leq 24 hrs.)
Location	หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date	Oct 21 - Oct 22, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 572552

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	50.6	76.8	46.0
03:00 PM - 04:00 PM	54.8	84.1	48.7
04:00 PM - 05:00 PM	54.9	79.5	46.7
05:00 PM - 06:00 PM	55.1	88.8	46.2
06:00 PM - 07:00 PM	56.2	81.2	47.9
07:00 PM - 08:00 PM	53.7	81.1	47.8
08:00 PM - 09:00 PM	56.9	87.0	49.4
09:00 PM - 10:00 PM	56.4	87.0	48.6
10:00 PM - 11:00 PM	50.9	61.0	48.5
11:00 PM - 12:00 AM	54.8	89.4	48.2
12:00 AM - 01:00 AM	53.9	84.6	48.3
01:00 AM - 02:00 AM	58.9	86.9	46.3
02:00 AM - 03:00 AM	50.7	82.9	46.4
03:00 AM - 04:00 AM	49.9	79.1	45.7
04:00 AM - 05:00 AM	59.6	90.8	45.3
05:00 AM - 06:00 AM	54.6	87.8	44.5
06:00 AM - 07:00 AM	47.4	75.8	43.9
07:00 AM - 08:00 AM	46.5	61.1	44.1
08:00 AM - 09:00 AM	49.2	80.7	46.2
09:00 AM - 10:00 AM	59.9	86.9	46.8
10:00 AM - 11:00 AM	62.0	91.0	48.3
11:00 AM - 12:00 PM	54.0	83.7	48.7
12:00 PM - 01:00 PM	51.0	77.9	46.7
01:00 PM - 02:00 PM	50.1	65.6	45.9
Leq Average 24 hrs. (dB(A))	55.6		
Lmax (dB(A))		91.0	
L90 (dB(A))			46.7
Ldn (dB(A))	61.6		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการระบาย และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

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14479-21/ EMAIL S:\Reports_Air Noise.rpt (5:03PM)

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595708
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442582-1

Sample Number	2595708-13
Parameter	Noise (Leq 24 hrs.)
Location	หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date	Oct 22 - Oct 23, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 572552

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	52.6	74.9	47.0
03:00 PM - 04:00 PM	51.8	77.3	46.4
04:00 PM - 05:00 PM	54.3	79.4	47.5
05:00 PM - 06:00 PM	50.7	74.4	45.7
06:00 PM - 07:00 PM	59.7	85.8	48.8
07:00 PM - 08:00 PM	56.9	84.3	48.1
08:00 PM - 09:00 PM	54.9	79.5	49.7
09:00 PM - 10:00 PM	54.2	73.2	49.4
10:00 PM - 11:00 PM	60.9	88.7	48.4
11:00 PM - 12:00 AM	51.9	72.6	48.7
12:00 AM - 01:00 AM	50.4	70.5	47.1
01:00 AM - 02:00 AM	49.8	83.3	46.0
02:00 AM - 03:00 AM	51.3	83.5	44.4
03:00 AM - 04:00 AM	51.9	87.6	45.1
04:00 AM - 05:00 AM	53.5	85.6	45.1
05:00 AM - 06:00 AM	58.3	85.0	44.4
06:00 AM - 07:00 AM	45.9	64.5	43.7
07:00 AM - 08:00 AM	48.4	71.8	44.5
08:00 AM - 09:00 AM	49.4	79.2	45.4
09:00 AM - 10:00 AM	56.0	91.7	47.1
10:00 AM - 11:00 AM	59.0	92.6	47.5
11:00 AM - 12:00 PM	52.5	79.5	47.9
12:00 PM - 01:00 PM	53.7	85.6	47.6
01:00 PM - 02:00 PM	56.5	85.0	47.1
Leq Average 24 hrs. (dB(A))	55.1		
Lmax (dB(A))		92.6	
L90 (dB(A))			47.1
Ldn (dB(A))	61.4		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595708
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442583-1

Sample Number	2595708-14
Parameter	Noise (Leq 24 hrs.)
Location	หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date	Oct 23 - Oct 24, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 572552

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	57.2	82.4	49.0
03:00 PM - 04:00 PM	54.4	84.5	49.2
04:00 PM - 05:00 PM	53.5	80.1	47.4
05:00 PM - 06:00 PM	54.5	88.6	47.2
06:00 PM - 07:00 PM	53.8	86.7	47.9
07:00 PM - 08:00 PM	58.5	87.2	50.9
08:00 PM - 09:00 PM	57.3	83.3	50.7
09:00 PM - 10:00 PM	59.3	88.5	48.8
10:00 PM - 11:00 PM	49.3	65.4	45.9
11:00 PM - 12:00 AM	50.9	69.0	47.2
12:00 AM - 01:00 AM	51.1	75.9	46.9
01:00 AM - 02:00 AM	48.0	60.5	45.0
02:00 AM - 03:00 AM	46.8	66.8	44.0
03:00 AM - 04:00 AM	49.0	76.1	43.1
04:00 AM - 05:00 AM	45.4	61.1	43.7
05:00 AM - 06:00 AM	57.3	82.4	42.9
06:00 AM - 07:00 AM	57.5	89.4	42.2
07:00 AM - 08:00 AM	56.4	85.8	43.8
08:00 AM - 09:00 AM	48.6	69.3	44.6
09:00 AM - 10:00 AM	58.8	86.6	46.9
10:00 AM - 11:00 AM	55.6	85.5	49.1
11:00 AM - 12:00 PM	58.2	88.3	49.1
12:00 PM - 01:00 PM	57.5	87.4	48.0
01:00 PM - 02:00 PM	56.2	77.6	50.2
Leq Average 24 hrs. (dB(A))	55.5		
Lmax (dB(A))		89.4	
L90 (dB(A))			42.2
Ldn (dB(A))	59.9		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Saranya C.
Saranya Chalermthamrong
Scientist (4)

Approved by Supot S.
Supot Salamteh
Section Head

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595680
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442267-1CB

Sample Number	2595680-8
Parameter	Noise (Leq 24 hrs.)
Location	ร้านค้าภายในชิดมั่นที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date	Oct 17 - Oct 18, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 858527

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.8	66.2	46.7
11:00 AM - 12:00 PM	50.1	64.0	47.4
12:00 PM - 01:00 PM	49.6	65.5	47.1
01:00 PM - 02:00 PM	49.2	64.8	46.9
02:00 PM - 03:00 PM	58.3	80.1	53.9
03:00 PM - 04:00 PM	60.7	91.3	57.0
04:00 PM - 05:00 PM	59.5	73.1	57.1
05:00 PM - 06:00 PM	60.4	71.1	58.1
06:00 PM - 07:00 PM	58.7	70.7	57.0
07:00 PM - 08:00 PM	60.0	73.0	57.4
08:00 PM - 09:00 PM	60.8	76.1	57.7
09:00 PM - 10:00 PM	60.6	74.7	57.6
10:00 PM - 11:00 PM	58.1	66.2	56.7
11:00 PM - 12:00 AM	60.9	74.4	57.9
12:00 AM - 01:00 AM	59.6	70.2	57.1
01:00 AM - 02:00 AM	57.5	69.8	56.6
02:00 AM - 03:00 AM	57.5	63.6	56.7
03:00 AM - 04:00 AM	57.3	60.6	56.5
04:00 AM - 05:00 AM	57.4	65.8	56.5
05:00 AM - 06:00 AM	57.0	68.9	56.1
06:00 AM - 07:00 AM	57.0	66.3	56.1
07:00 AM - 08:00 AM	56.6	62.4	55.9
08:00 AM - 09:00 AM	56.9	63.6	56.0
09:00 AM - 10:00 AM	56.6	63.2	55.8
Leq Average 24 hrs. (dB(A))	58.2		
Lmax (dB(A))		91.3	
L90 (dB(A))			56.5
Ldn (dB(A))	64.6		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595680
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442268-1CB

Sample Number	2595680-9
Parameter	Noise (Leq 24 hrs.)
Location	ร้านค้าภายในชิดมั่นที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date	Oct 18 - Oct 19, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 858527

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.5	60.4	55.9
11:00 AM - 12:00 PM	56.2	58.5	55.7
12:00 PM - 01:00 PM	49.7	73.2	47.6
01:00 PM - 02:00 PM	49.0	67.8	46.6
02:00 PM - 03:00 PM	49.3	68.2	46.4
03:00 PM - 04:00 PM	48.0	65.9	46.0
04:00 PM - 05:00 PM	50.4	76.8	46.1
05:00 PM - 06:00 PM	49.2	71.6	46.0
06:00 PM - 07:00 PM	49.7	69.1	46.4
07:00 PM - 08:00 PM	53.2	71.1	48.9
08:00 PM - 09:00 PM	54.4	86.9	49.3
09:00 PM - 10:00 PM	59.1	71.7	53.9
10:00 PM - 11:00 PM	60.9	72.6	54.2
11:00 PM - 12:00 AM	56.0	71.5	53.6
12:00 AM - 01:00 AM	54.3	72.2	52.6
01:00 AM - 02:00 AM	53.1	60.7	52.3
02:00 AM - 03:00 AM	52.2	62.0	51.1
03:00 AM - 04:00 AM	51.0	60.6	50.1
04:00 AM - 05:00 AM	50.1	55.9	49.2
05:00 AM - 06:00 AM	51.3	58.9	49.6
06:00 AM - 07:00 AM	52.7	59.2	50.1
07:00 AM - 08:00 AM	53.4	62.3	50.4
08:00 AM - 09:00 AM	52.5	61.0	51.2
09:00 AM - 10:00 AM	52.4	68.1	50.3
Leq Average 24 hrs. (dB(A))	54.1		
Lmax (dB(A))		86.9	
L90 (dB(A))			50.1
Ldn (dB(A))	61.2		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
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Technical Management Orawan R.
Orawan Rakyong
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595680
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442269-1C8

Sample Number	2595680-10
Parameter	Noise (Leq 24 hrs.)
Location	ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date	Oct 19 - Oct 20, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 858527

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.0	66.5	48.6
11:00 AM - 12:00 PM	50.0	72.7	47.1
12:00 PM - 01:00 PM	49.3	71.3	45.8
01:00 PM - 02:00 PM	47.9	68.5	45.8
02:00 PM - 03:00 PM	50.2	77.0	45.0
03:00 PM - 04:00 PM	47.8	69.4	45.2
04:00 PM - 05:00 PM	46.4	69.4	44.2
05:00 PM - 06:00 PM	49.8	72.0	45.4
06:00 PM - 07:00 PM	47.0	65.8	45.0
07:00 PM - 08:00 PM	47.8	68.8	45.1
08:00 PM - 09:00 PM	51.0	66.1	48.0
09:00 PM - 10:00 PM	55.4	62.7	53.9
10:00 PM - 11:00 PM	56.7	69.8	52.4
11:00 PM - 12:00 AM	55.8	65.2	52.0
12:00 AM - 01:00 AM	53.5	64.5	52.2
01:00 AM - 02:00 AM	53.1	59.5	51.7
02:00 AM - 03:00 AM	52.8	66.0	50.5
03:00 AM - 04:00 AM	51.5	59.5	49.2
04:00 AM - 05:00 AM	49.8	59.0	48.5
05:00 AM - 06:00 AM	49.3	61.2	48.5
06:00 AM - 07:00 AM	50.0	58.1	49.3
07:00 AM - 08:00 AM	50.2	58.3	49.2
08:00 AM - 09:00 AM	52.3	74.2	50.5
09:00 AM - 10:00 AM	54.9	75.9	51.8
Leq Average 24 hrs. (dB(A))	51.9		
Lmax (dB(A))		77.0	
L90 (dB(A))			48.5
Ldn (dB(A))	59.4		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)

Approved by Supt S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595680
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442270-1C8

Sample Number	2595680-11
Parameter	Noise (Leq 24 hrs.)
Location	ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date	Oct 20 - Oct 21, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 858527

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	54.9	77.4	51.3
11:00 AM - 12:00 PM	52.1	74.8	49.0
12:00 PM - 01:00 PM	49.6	67.3	47.3
01:00 PM - 02:00 PM	48.1	68.0	46.0
02:00 PM - 03:00 PM	50.0	74.4	46.7
03:00 PM - 04:00 PM	49.4	73.3	46.5
04:00 PM - 05:00 PM	48.4	68.7	46.5
05:00 PM - 06:00 PM	50.3	67.2	47.4
06:00 PM - 07:00 PM	53.5	75.1	50.8
07:00 PM - 08:00 PM	54.3	73.1	51.1
08:00 PM - 09:00 PM	53.9	72.1	50.4
09:00 PM - 10:00 PM	55.5	67.4	53.9
10:00 PM - 11:00 PM	56.0	68.4	53.8
11:00 PM - 12:00 AM	57.4	72.9	53.4
12:00 AM - 01:00 AM	54.2	67.5	52.4
01:00 AM - 02:00 AM	52.5	59.5	51.1
02:00 AM - 03:00 AM	52.9	62.2	50.8
03:00 AM - 04:00 AM	56.5	65.9	51.9
04:00 AM - 05:00 AM	54.8	65.5	51.2
05:00 AM - 06:00 AM	50.4	55.3	49.8
06:00 AM - 07:00 AM	51.0	62.1	50.0
07:00 AM - 08:00 AM	50.2	69.8	49.1
08:00 AM - 09:00 AM	52.4	72.2	50.8
09:00 AM - 10:00 AM	54.6	66.6	52.1
Leq Average 24 hrs. (dB(A))	53.4		
Lmax (dB(A))		77.4	
L90 (dB(A))			50.8
Ldn (dB(A))	60.7		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)

Approved by Supt S.
Supot Salamteh
Section Head

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12174-41/ EMAIL

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595680
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442271-1C8

Sample Number	2595680-12
Parameter	Noise (Leq 24 hrs.)
Location	ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date	Oct 21 - Oct 22, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 858527

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	55.3	69.5	52.0
11:00 AM - 12:00 PM	51.3	67.5	49.3
12:00 PM - 01:00 PM	48.9	74.4	46.9
01:00 PM - 02:00 PM	49.2	68.3	47.5
02:00 PM - 03:00 PM	49.0	64.0	47.6
03:00 PM - 04:00 PM	49.2	67.7	47.3
04:00 PM - 05:00 PM	51.0	74.7	48.2
05:00 PM - 06:00 PM	51.0	69.6	49.0
06:00 PM - 07:00 PM	51.3	70.5	49.0
07:00 PM - 08:00 PM	52.5	69.9	49.8
08:00 PM - 09:00 PM	53.4	70.0	50.1
09:00 PM - 10:00 PM	55.0	66.2	53.4
10:00 PM - 11:00 PM	57.0	67.7	54.1
11:00 PM - 12:00 AM	58.8	68.7	54.5
12:00 AM - 01:00 AM	58.2	70.9	54.4
01:00 AM - 02:00 AM	53.2	56.0	52.5
02:00 AM - 03:00 AM	53.3	68.0	52.4
03:00 AM - 04:00 AM	52.5	63.1	51.8
04:00 AM - 05:00 AM	52.2	66.5	51.5
05:00 AM - 06:00 AM	50.8	57.9	50.3
06:00 AM - 07:00 AM	50.4	56.0	49.6
07:00 AM - 08:00 AM	50.4	59.3	49.6
08:00 AM - 09:00 AM	52.3	72.0	50.8
09:00 AM - 10:00 AM	54.2	69.1	51.8
Leq Average 24 hrs. (dB(A))	53.5		
Lmax (dB(A))		74.7	
L90 (dB(A))			50.1
Ldn (dB(A))	61.2		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)

Approved by Supt S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595680
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442272-1C8

Sample Number	2595680-13
Parameter	Noise (Leq 24 hrs.)
Location	ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date	Oct 22 - Oct 23, 2025
Measurement by	Keerati Taweerat
Sound Level meter	Serial No. 858527

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	55.5	69.1	52.1
11:00 AM - 12:00 PM	54.0	76.7	49.3
12:00 PM - 01:00 PM	51.3	69.0	49.2
01:00 PM - 02:00 PM	50.4	70.1	48.6
02:00 PM - 03:00 PM	51.1	72.4	48.9
03:00 PM - 04:00 PM	50.8	77.2	48.8
04:00 PM - 05:00 PM	50.7	66.1	49.0
05:00 PM - 06:00 PM	50.6	74.8	48.7
06:00 PM - 07:00 PM	51.2	67.2	49.4
07:00 PM - 08:00 PM	52.9	67.7	50.3
08:00 PM - 09:00 PM	54.9	70.4	52.1
09:00 PM - 10:00 PM	57.0	67.9	54.8
10:00 PM - 11:00 PM	58.2	65.7	54.4
11:00 PM - 12:00 AM	57.0	70.7	53.8
12:00 AM - 01:00 AM	57.3	67.4	54.3
01:00 AM - 02:00 AM	52.6	62.7	51.6
02:00 AM - 03:00 AM	52.2	64.3	51.5
03:00 AM - 04:00 AM	51.7	62.5	50.9
04:00 AM - 05:00 AM	51.3	64.3	50.3
05:00 AM - 06:00 AM	50.6	64.0	49.8
06:00 AM - 07:00 AM	49.6	57.4	48.9
07:00 AM - 08:00 AM	50.3	57.1	49.1
08:00 AM - 09:00 AM	51.4	65.8	50.0
09:00 AM - 10:00 AM	54.2	70.5	51.6
Leq Average 24 hrs. (dB(A))	53.6		
Lmax (dB(A))		77.2	
L90 (dB(A))			50.0
Ldn (dB(A))	60.7		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)

Approved by Supt S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595680
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number: 3442273-1CB

Sample Number 2595680-14
Parameter Noise (Leq 24 hrs.)
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 23 - Oct 24, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 858527

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	58.3	78.0	53.7
11:00 AM - 12:00 PM	60.2	80.0	54.1
12:00 PM - 01:00 PM	49.9	68.8	48.1
01:00 PM - 02:00 PM	49.5	67.6	48.1
02:00 PM - 03:00 PM	50.4	68.7	48.4
03:00 PM - 04:00 PM	50.7	64.0	48.8
04:00 PM - 05:00 PM	49.9	69.2	48.1
05:00 PM - 06:00 PM	52.8	76.7	48.6
06:00 PM - 07:00 PM	51.2	70.1	48.5
07:00 PM - 08:00 PM	52.8	80.6	49.0
08:00 PM - 09:00 PM	53.4	72.5	49.5
09:00 PM - 10:00 PM	54.3	72.9	52.8
10:00 PM - 11:00 PM	56.7	68.5	53.6
11:00 PM - 12:00 AM	53.7	63.1	52.2
12:00 AM - 01:00 AM	55.1	70.7	53.0
01:00 AM - 02:00 AM	53.7	60.9	51.6
02:00 AM - 03:00 AM	52.4	78.9	51.1
03:00 AM - 04:00 AM	52.2	57.7	50.7
04:00 AM - 05:00 AM	49.9	63.1	48.0
05:00 AM - 06:00 AM	50.6	65.1	47.4
06:00 AM - 07:00 AM	48.2	57.4	47.0
07:00 AM - 08:00 AM	50.9	68.1	46.6
08:00 AM - 09:00 AM	48.6	63.3	46.7
09:00 AM - 10:00 AM	51.0	76.6	47.3
Leq Average 24 hrs. (dB(A))	53.6		
Lmax (dB(A))		80.6	
L90 (dB(A))			48.6
Ldn (dB(A))	59.7		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่ก่อจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439572-1

Sample Number 2595709-1
Parameter Noise Level (Leq 5 min)
Location ร้านค้าหลังโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 17 - Oct 18, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 17, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 17, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 17, 2025 Time	Leq dB(A)	L90 dB(A)
01:00 PM - 01:05 PM	59.6	57.6	03:40 PM - 03:45 PM	66.9	65.7	06:20 PM - 06:25 PM	58.8	58.3
01:05 PM - 01:10 PM	58.3	57.6	03:45 PM - 03:50 PM	67.4	65.9	06:25 PM - 06:30 PM	58.7	58.2
01:10 PM - 01:15 PM	59.9	58.2	03:50 PM - 03:55 PM	67.9	66.6	06:30 PM - 06:35 PM	58.8	58.0
01:15 PM - 01:20 PM	61.7	59.1	03:55 PM - 04:00 PM	67.4	65.9	06:35 PM - 06:40 PM	58.8	58.1
01:20 PM - 01:25 PM	62.8	60.2	04:00 PM - 04:05 PM	68.3	66.2	06:40 PM - 06:45 PM	59.3	58.6
01:25 PM - 01:30 PM	68.9	60.6	04:05 PM - 04:10 PM	68.2	66.6	06:45 PM - 06:50 PM	59.5	58.6
01:30 PM - 01:35 PM	64.3	61.1	04:10 PM - 04:15 PM	68.1	66.7	06:50 PM - 06:55 PM	59.2	58.5
01:35 PM - 01:40 PM	64.1	60.9	04:15 PM - 04:20 PM	66.9	65.4	06:55 PM - 07:00 PM	58.9	58.3
01:40 PM - 01:45 PM	62.8	61.5	04:20 PM - 04:25 PM	66.3	64.4	07:00 PM - 07:05 PM	58.8	58.2
01:45 PM - 01:50 PM	60.9	60.2	04:25 PM - 04:30 PM	64.0	62.3	07:05 PM - 07:10 PM	58.7	58.1
01:50 PM - 01:55 PM	60.0	59.4	04:30 PM - 04:35 PM	62.8	61.5	07:10 PM - 07:15 PM	58.7	58.1
01:55 PM - 02:00 PM	59.3	58.6	04:35 PM - 04:40 PM	61.2	60.4	07:15 PM - 07:20 PM	58.7	58.0
02:00 PM - 02:05 PM	59.1	58.4	04:40 PM - 04:45 PM	60.7	60.3	07:20 PM - 07:25 PM	58.7	58.2
02:05 PM - 02:10 PM	60.4	59.9	04:45 PM - 04:50 PM	60.1	59.4	07:25 PM - 07:30 PM	59.4	58.9
02:10 PM - 02:15 PM	60.4	59.8	04:50 PM - 04:55 PM	58.8	58.3	07:30 PM - 07:35 PM	60.0	59.4
02:15 PM - 02:20 PM	60.6	59.4	04:55 PM - 05:00 PM	58.0	57.5	07:35 PM - 07:40 PM	60.2	59.5
02:20 PM - 02:25 PM	59.9	59.3	05:00 PM - 05:05 PM	57.7	57.3	07:40 PM - 07:45 PM	60.1	59.7
02:25 PM - 02:30 PM	62.8	59.4	05:05 PM - 05:10 PM	58.2	57.3	07:45 PM - 07:50 PM	61.1	60.2
02:30 PM - 02:35 PM	60.8	59.1	05:10 PM - 05:15 PM	57.7	57.2	07:50 PM - 07:55 PM	59.4	58.8
02:35 PM - 02:40 PM	51.3	48.9	05:15 PM - 05:20 PM	58.4	57.5	07:55 PM - 08:00 PM	58.4	57.9
02:40 PM - 02:45 PM	50.8	47.8	05:20 PM - 05:25 PM	58.0	57.5	08:00 PM - 08:05 PM	58.4	57.8
02:45 PM - 02:50 PM	61.7	60.9	05:25 PM - 05:30 PM	57.8	57.4	08:05 PM - 08:10 PM	58.6	58.0
02:50 PM - 02:55 PM	60.5	59.3	05:30 PM - 05:35 PM	57.8	57.4	08:10 PM - 08:15 PM	58.6	57.7
02:55 PM - 03:00 PM	60.9	59.1	05:35 PM - 05:40 PM	57.8	57.4	08:15 PM - 08:20 PM	58.6	57.9
03:00 PM - 03:05 PM	62.0	60.8	05:40 PM - 05:45 PM	58.1	57.7	08:20 PM - 08:25 PM	59.0	58.3
03:05 PM - 03:10 PM	61.7	60.9	05:45 PM - 05:50 PM	58.4	57.9	08:25 PM - 08:30 PM	59.5	59.0
03:10 PM - 03:15 PM	61.7	60.2	05:50 PM - 05:55 PM	58.5	58.1	08:30 PM - 08:35 PM	60.1	59.7
03:15 PM - 03:20 PM	60.3	59.2	05:55 PM - 06:00 PM	59.2	58.6	08:35 PM - 08:40 PM	60.5	60.0
03:20 PM - 03:25 PM	58.7	58.1	06:00 PM - 06:05 PM	59.5	59.0	08:40 PM - 08:45 PM	60.3	59.7
03:25 PM - 03:30 PM	60.9	58.5	06:05 PM - 06:10 PM	59.2	58.8	08:45 PM - 08:50 PM	59.6	59.0
03:30 PM - 03:35 PM	63.8	59.7	06:10 PM - 06:15 PM	59.0	58.6	08:50 PM - 08:55 PM	58.8	58.1
03:35 PM - 03:40 PM	66.8	65.3	06:15 PM - 06:20 PM	58.9	58.4	08:55 PM - 09:00 PM	59.5	59.0

Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439572-1

Sample Number 2595709-1
Parameter Noise Level (Leq 5 min)
Location ร้านค้าหลังโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 17 - Oct 18, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 17, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 17 - Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)
09:00 PM - 09:05 PM	59.0	58.5	11:40 PM - 11:45 PM	55.2	54.8	02:20 AM - 02:25 AM	55.6	54.8
09:05 PM - 09:10 PM	59.4	58.6	11:45 PM - 11:50 PM	55.5	54.9	02:25 AM - 02:30 AM	55.2	54.7
09:10 PM - 09:15 PM	59.8	58.9	11:50 PM - 11:55 PM	55.5	55.1	02:30 AM - 02:35 AM	55.5	55.0
09:15 PM - 09:20 PM	58.4	57.7	11:55 PM - 12:00 AM	55.2	54.8	02:35 AM - 02:40 AM	55.5	54.9
09:20 PM - 09:25 PM	57.7	57.3	12:00 AM - 12:05 AM	55.0	54.5	02:40 AM - 02:45 AM	56.0	55.1
09:25 PM - 09:30 PM	57.7	57.2	12:05 AM - 12:10 AM	54.8	54.4	02:45 AM - 02:50 AM	55.7	55.1
09:30 PM - 09:35 PM	57.4	56.8	12:10 AM - 12:15 AM	54.8	54.4	02:50 AM - 02:55 AM	55.7	55.2
09:35 PM - 09:40 PM	57.5	57.1	12:15 AM - 12:20 AM	54.7	54.3	02:55 AM - 03:00 AM	55.9	55.3
09:40 PM - 09:45 PM	57.5	57.0	12:20 AM - 12:25 AM	54.7	54.3	03:00 AM - 03:05 AM	56.6	55.4
09:45 PM - 09:50 PM	57.5	56.9	12:25 AM - 12:30 AM	54.7	54.2	03:05 AM - 03:10 AM	55.9	55.2
09:50 PM - 09:55 PM	57.7	57.2	12:30 AM - 12:35 AM	54.6	54.2	03:10 AM - 03:15 AM	55.7	55.2
09:55 PM - 10:00 PM	57.4	56.7	12:35 AM - 12:40 AM	55.0	54.4	03:15 AM - 03:20 AM	55.5	55.0
10:00 PM - 10:05 PM	58.0	56.7	12:40 AM - 12:45 AM	54.8	54.3	03:20 AM - 03:25 AM	55.9	55.1
10:05 PM - 10:10 PM	59.0	57.7	12:45 AM - 12:50 AM	54.8	54.4	03:25 AM - 03:30 AM	55.9	55.2
10:10 PM - 10:15 PM	58.5	56.1	12:50 AM - 12:55 AM	54.7	54.3	03:30 AM - 03:35 AM	56.1	55.3
10:15 PM - 10:20 PM	56.6	56.1	12:55 AM - 01:00 AM	54.6	54.2	03:35 AM - 03:40 AM	56.9	55.9
10:20 PM - 10:25 PM	56.9	56.5	01:00 AM - 01:05 AM	54.6	54.2	03:40 AM - 03:45 AM	56.3	55.6
10:25 PM - 10:30 PM	56.4	55.8	01:05 AM - 01:10 AM	54.7	54.3	03:45 AM - 03:50 AM	56.3	55.7
10:30 PM - 10:35 PM	55.8	55.4	01:10 AM - 01:15 AM	55.0	54.3	03:50 AM - 03:55 AM	56.6	55.8
10:35 PM - 10:40 PM	56.3	55.2	01:15 AM - 01:20 AM	54.7	54.2	03:55 AM - 04:00 AM	57.9	56.2
10:40 PM - 10:45 PM	55.3	55.0	01:20 AM - 01:25 AM	54.8	54.2	04:00 AM - 04:05 AM	58.2	56.6
10:45 PM - 10:50 PM	55.3	54.9	01:25 AM - 01:30 AM	54.8	54.3	04:05 AM - 04:10 AM	59.3	57.9
10:50 PM - 10:55 PM	55.2	54.9	01:30 AM - 01:35 AM	54.7	54.2	04:10 AM - 04:15 AM	59.8	58.5
10:55 PM - 11:00 PM	55.3	54.8	01:35 AM - 01:40 AM	55.0	54.5	04:15 AM - 04:20 AM	59.7	58.2
11:00 PM - 11:05 PM	55.2	54.8	01:40 AM - 01:45 AM	55.2	54.5	04:20 AM - 04:25 AM	61.9	59.9
11:05 PM - 11:10 PM	55.2	54.8	01:45 AM - 01:50 AM	55.1	54.6	04:25 AM - 04:30 AM	64.5	62.7
11:10 PM - 11:15 PM	55.3	54.9	01:50 AM - 01:55 AM	54.7	54.3	04:30 AM - 04:35 AM	66.6	65.0
11:15 PM - 11:20 PM	55.4	55.0	01:55 AM - 02:00 AM	55.1	54.4	04:35 AM - 04:40 AM	65.3	62.5
11:20 PM - 11:25 PM	55.4	54.9	02:00 AM - 02:05 AM	54.9	54.4	04:40 AM - 04:45 AM	60.0	57.3
11:25 PM - 11:30 PM	55.6	55.2	02:05 AM - 02:10 AM	55.2	54.6	04:45 AM - 04:50 AM	57.9	55.7
11:30 PM - 11:35 PM	55.9	55.2	02:10 AM - 02:15 AM	55.4	54.7	04:50 AM - 04:55 AM	56.6	54.9
11:35 PM - 11:40 PM	55.5	55.1	02:15 AM - 02:20 AM	55.3	54.8	04:55 AM - 05:00 AM	56.0	55.0

Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439572-1

Sample Number 2595709-1
Parameter Noise Level (Leq 5 min)
Location ร้านค้าหลังโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 17 - Oct 18, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)
05:00 AM - 05:05 AM	57.9	55.6	07:40 AM - 07:45 AM	58.4	57.7	10:20 AM - 10:25 AM	56.9	56.4
05:05 AM - 05:10 AM	59.2	56.1	07:45 AM - 07:50 AM	58.2	57.5	10:25 AM - 10:30 AM	57.0	56.5
05:10 AM - 05:15 AM	59.0	56.1	07:50 AM - 07:55 AM	58.7	57.7	10:30 AM - 10:35 AM	57.8	56.7
05:15 AM - 05:20 AM	57.8	56.0	07:55 AM - 08:00 AM	58.2	57.4	10:35 AM - 10:40 AM	57.0	56.4
05:20 AM - 05:25 AM	59.8	56.3	08:00 AM - 08:05 AM	58.2	57.4	10:40 AM - 10:45 AM	56.7	56.3
05:25 AM - 05:30 AM	60.0	56.6	08:05 AM - 08:10 AM	58.1	57.2	10:45 AM - 10:50 AM	57.4	56.6
05:30 AM - 05:35 AM	62.5	57.5	08:10 AM - 08:15 AM	57.6	57.0	10:50 AM - 10:55 AM	57.7	57.1
05:35 AM - 05:40 AM	60.6	57.4	08:15 AM - 08:20 AM	57.7	57.0	10:55 AM - 11:00 AM	57.5	56.9
05:40 AM - 05:45 AM	60.5	56.7	08:20 AM - 08:25 AM	57.7	56.9	11:00 AM - 11:05 AM	57.7	57.1
05:45 AM - 05:50 AM	60.2	56.8	08:25 AM - 08:30 AM	57.6	57.0	11:05 AM - 11:10 AM	57.3	56.8
05:50 AM - 05:55 AM	60.7	56.7	08:30 AM - 08:35 AM	57.5	56.9	11:10 AM - 11:15 AM	57.2	56.7
05:55 AM - 06:00 AM	58.4	55.8	08:35 AM - 08:40 AM	57.5	56.9	11:15 AM - 11:20 AM	57.0	56.5
06:00 AM - 06:05 AM	58.1	55.8	08:40 AM - 08:45 AM	57.5	57.0	11:20 AM - 11:25 AM	57.2	56.7
06:05 AM - 06:10 AM	58.1	55.4	08:45 AM - 08:50 AM	57.5	56.9	11:25 AM - 11:30 AM	57.8	56.5
06:10 AM - 06:15 AM	56.6	55.3	08:50 AM - 08:55 AM	57.4	56.9	11:30 AM - 11:35 AM	57.8	56.9
06:15 AM - 06:20 AM	57.7	55.7	08:55 AM - 09:00 AM	57.7	57.2	11:35 AM - 11:40 AM	57.5	56.8
06:20 AM - 06:25 AM	57.0	56.3	09:00 AM - 09:05 AM	57.5	56.9	11:40 AM - 11:45 AM	57.3	56.7
06:25 AM - 06:30 AM	58.1	57.2	09:05 AM - 09:10 AM	57.7	57.0	11:45 AM - 11:50 AM	57.5	56.7
06:30 AM - 06:35 AM	57.7	56.8	09:10 AM - 09:15 AM	58.6	57.3	11:50 AM - 11:55 AM	57.8	57.0
06:35 AM - 06:40 AM	58.6	57.3	09:15 AM - 09:20 AM	58.1	57.3	11:55 AM - 12:00 PM	57.4	56.8
06:40 AM - 06:45 AM	58.1	57.2	09:20 AM - 09:25 AM	58.5	57.5	12:00 PM - 12:05 PM	57.6	56.8
06:45 AM - 06:50 AM	58.1	57.3	09:25 AM - 09:30 AM	57.8	57.1	12:05 PM - 12:10 PM	58.0	56.9
06:50 AM - 06:55 AM	58.2	57.4	09:30 AM - 09:35 AM	58.0	57.2	12:10 PM - 12:15 PM	57.4	56.6
06:55 AM - 07:00 AM	58.3	57.2	09:35 AM - 09:40 AM	58.3	57.1	12:15 PM - 12:20 PM	58.7	56.7
07:00 AM - 07:05 AM	59.3	57.7	09:40 AM - 09:45 AM	57.6	57.0	12:20 PM - 12:25 PM	57.1	56.6
07:05 AM - 07:10 AM	62.4	60.7	09:45 AM - 09:50 AM	57.9	57.2	12:25 PM - 12:30 PM	57.3	56.7
07:10 AM - 07:15 AM	61.4	60.2	09:50 AM - 09:55 AM	57.9	57.2	12:30 PM - 12:35 PM	57.3	56.8
07:15 AM - 07:20 AM	61.0	59.9	09:55 AM - 10:00 AM	57.9	57.0	12:35 PM - 12:40 PM	57.1	56.7
07:20 AM - 07:25 AM	60.2	59.0	10:00 AM - 10:05 AM	57.4	56.6	12:40 PM - 12:45 PM	57.3	56.8
07:25 AM - 07:30 AM	59.5	58.7	10:05 AM - 10:10 AM	58.0	56.9	12:45 PM - 12:50 PM	57.2	56.8
07:30 AM - 07:35 AM	59.8	58.8	10:10 AM - 10:15 AM	57.2	56.5	12:50 PM - 12:55 PM	57.8	57.2
07:35 AM - 07:40 AM	58.7	58.1	10:15 AM - 10:20 AM	57.0	56.3	12:55 PM - 01:00 PM	57.8	57.2

Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439573-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-2
Parameter Noise Level (Leq 5 min)
Location ริมรั้วด้านทิศใต้ของโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 18 - Oct 19, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)
01:00 PM - 01:05 PM	57.9	56.9	03:40 PM - 03:45 PM	59.6	57.4	06:20 PM - 06:25 PM	57.6	56.5
01:05 PM - 01:10 PM	57.3	56.7	03:45 PM - 03:50 PM	66.7	64.0	06:25 PM - 06:30 PM	57.0	56.3
01:10 PM - 01:15 PM	57.6	57.0	03:50 PM - 03:55 PM	66.1	64.4	06:30 PM - 06:35 PM	58.0	57.1
01:15 PM - 01:20 PM	57.6	57.1	03:55 PM - 04:00 PM	65.7	64.0	06:35 PM - 06:40 PM	58.4	57.6
01:20 PM - 01:25 PM	58.0	57.5	04:00 PM - 04:05 PM	67.1	65.6	06:40 PM - 06:45 PM	59.7	59.2
01:25 PM - 01:30 PM	57.7	57.1	04:05 PM - 04:10 PM	67.0	65.5	06:45 PM - 06:50 PM	59.4	58.9
01:30 PM - 01:35 PM	63.7	54.6	04:10 PM - 04:15 PM	64.8	62.1	06:50 PM - 06:55 PM	59.0	58.2
01:35 PM - 01:40 PM	61.4	54.4	04:15 PM - 04:20 PM	66.1	64.0	06:55 PM - 07:00 PM	58.9	58.1
01:40 PM - 01:45 PM	61.3	54.5	04:20 PM - 04:25 PM	66.0	64.2	07:00 PM - 07:05 PM	60.0	59.3
01:45 PM - 01:50 PM	57.2	54.7	04:25 PM - 04:30 PM	63.4	61.8	07:05 PM - 07:10 PM	59.5	58.0
01:50 PM - 01:55 PM	59.7	54.2	04:30 PM - 04:35 PM	62.4	61.0	07:10 PM - 07:15 PM	59.6	58.0
01:55 PM - 02:00 PM	58.2	54.5	04:35 PM - 04:40 PM	61.5	60.9	07:15 PM - 07:20 PM	59.7	59.2
02:00 PM - 02:05 PM	57.5	53.1	04:40 PM - 04:45 PM	60.6	60.1	07:20 PM - 07:25 PM	59.3	58.8
02:05 PM - 02:10 PM	60.9	53.7	04:45 PM - 04:50 PM	59.7	59.1	07:25 PM - 07:30 PM	58.9	58.4
02:10 PM - 02:15 PM	59.6	59.1	04:50 PM - 04:55 PM	59.4	58.8	07:30 PM - 07:35 PM	58.9	58.5
02:15 PM - 02:20 PM	59.3	58.6	04:55 PM - 05:00 PM	60.3	59.4	07:35 PM - 07:40 PM	59.1	58.6
02:20 PM - 02:25 PM	59.5	49.3	05:00 PM - 05:05 PM	59.6	59.2	07:40 PM - 07:45 PM	58.7	58.1
02:25 PM - 02:30 PM	60.2	53.2	05:05 PM - 05:10 PM	59.6	58.9	07:45 PM - 07:50 PM	59.4	57.0
02:30 PM - 02:35 PM	52.8	48.7	05:10 PM - 05:15 PM	59.9	59.3	07:50 PM - 07:55 PM	57.0	56.4
02:35 PM - 02:40 PM	52.6	48.9	05:15 PM - 05:20 PM	59.8	59.5	07:55 PM - 08:00 PM	57.3	56.4
02:40 PM - 02:45 PM	58.7	52.9	05:20 PM - 05:25 PM	59.7	59.3	08:00 PM - 08:05 PM	56.7	55.9
02:45 PM - 02:50 PM	59.5	58.1	05:25 PM - 05:30 PM	59.6	58.9	08:05 PM - 08:10 PM	56.1	55.5
02:50 PM - 02:55 PM	59.2	57.7	05:30 PM - 05:35 PM	59.8	59.4	08:10 PM - 08:15 PM	56.6	55.6
02:55 PM - 03:00 PM	60.9	58.9	05:35 PM - 05:40 PM	59.6	58.3	08:15 PM - 08:20 PM	55.4	54.9
03:00 PM - 03:05 PM	60.8	59.8	05:40 PM - 05:45 PM	59.4	58.9	08:20 PM - 08:25 PM	55.1	54.7
03:05 PM - 03:10 PM	60.1	59.5	05:45 PM - 05:50 PM	60.0	59.6	08:25 PM - 08:30 PM	55.4	55.0
03:10 PM - 03:15 PM	61.1	59.4	05:50 PM - 05:55 PM	59.7	59.0	08:30 PM - 08:35 PM	55.2	54.8
03:15 PM - 03:20 PM	60.3	58.1	05:55 PM - 06:00 PM	60.0	59.4	08:35 PM - 08:40 PM	55.7	55.1
03:20 PM - 03:25 PM	58.4	57.6	06:00 PM - 06:05 PM	59.4	58.6	08:40 PM - 08:45 PM	55.6	55.1
03:25 PM - 03:30 PM	57.9	57.2	06:05 PM - 06:10 PM	60.3	59.6	08:45 PM - 08:50 PM	55.5	55.0
03:30 PM - 03:35 PM	58.9	57.6	06:10 PM - 06:15 PM	59.8	58.9	08:50 PM - 08:55 PM	55.6	55.1
03:35 PM - 03:40 PM	58.5	57.5	06:15 PM - 06:20 PM	57.8	57.2	08:55 PM - 09:00 PM	55.8	55.4

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439573-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-2
Parameter Noise Level (Leq 5 min)
Location ริมรั้วด้านทิศใต้ของโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 18 - Oct 19, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 18 - Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)
09:00 PM - 09:05 PM	58.5	56.9	11:40 PM - 11:45 PM	56.6	56.0	02:20 AM - 02:25 AM	57.3	56.6
09:05 PM - 09:10 PM	59.9	58.9	11:45 PM - 11:50 PM	56.2	55.4	02:25 AM - 02:30 AM	57.2	56.7
09:10 PM - 09:15 PM	58.1	57.2	11:50 PM - 11:55 PM	55.7	55.2	02:30 AM - 02:35 AM	57.6	57.1
09:15 PM - 09:20 PM	59.0	57.0	11:55 PM - 12:00 AM	55.2	54.6	02:35 AM - 02:40 AM	57.7	57.2
09:20 PM - 09:25 PM	55.9	55.3	12:00 AM - 12:05 AM	55.2	54.7	02:40 AM - 02:45 AM	57.0	56.6
09:25 PM - 09:30 PM	56.6	55.7	12:05 AM - 12:10 AM	55.8	55.1	02:45 AM - 02:50 AM	57.4	56.8
09:30 PM - 09:35 PM	59.0	57.7	12:10 AM - 12:15 AM	57.2	56.3	02:50 AM - 02:55 AM	57.2	56.8
09:35 PM - 09:40 PM	59.7	58.8	12:15 AM - 12:20 AM	58.2	57.6	02:55 AM - 03:00 AM	57.1	56.7
09:40 PM - 09:45 PM	60.0	59.5	12:20 AM - 12:25 AM	58.9	58.1	03:00 AM - 03:05 AM	57.3	56.8
09:45 PM - 09:50 PM	58.8	57.9	12:25 AM - 12:30 AM	59.2	58.5	03:05 AM - 03:10 AM	57.9	57.1
09:50 PM - 09:55 PM	57.9	57.1	12:30 AM - 12:35 AM	59.4	58.8	03:10 AM - 03:15 AM	57.4	56.9
09:55 PM - 10:00 PM	56.8	56.0	12:35 AM - 12:40 AM	59.6	59.3	03:15 AM - 03:20 AM	57.4	56.8
10:00 PM - 10:05 PM	57.5	56.3	12:40 AM - 12:45 AM	58.5	57.7	03:20 AM - 03:25 AM	57.6	57.1
10:05 PM - 10:10 PM	59.4	58.8	12:45 AM - 12:50 AM	58.7	57.8	03:25 AM - 03:30 AM	57.6	57.1
10:10 PM - 10:15 PM	60.1	59.6	12:50 AM - 12:55 AM	59.7	59.4	03:30 AM - 03:35 AM	57.6	57.1
10:15 PM - 10:20 PM	58.6	57.8	12:55 AM - 01:00 AM	59.3	58.8	03:35 AM - 03:40 AM	57.8	57.2
10:20 PM - 10:25 PM	56.8	56.2	01:00 AM - 01:05 AM	59.1	58.6	03:40 AM - 03:45 AM	58.0	57.4
10:25 PM - 10:30 PM	56.2	55.8	01:05 AM - 01:10 AM	59.5	59.1	03:45 AM - 03:50 AM	57.9	57.4
10:30 PM - 10:35 PM	56.7	55.5	01:10 AM - 01:15 AM	59.6	59.2	03:50 AM - 03:55 AM	57.9	57.1
10:35 PM - 10:40 PM	59.2	57.3	01:15 AM - 01:20 AM	59.5	59.1	03:55 AM - 04:00 AM	57.9	57.2
10:40 PM - 10:45 PM	59.6	59.3	01:20 AM - 01:25 AM	59.1	58.8	04:00 AM - 04:05 AM	58.1	57.2
10:45 PM - 10:50 PM	58.9	58.2	01:25 AM - 01:30 AM	59.5	59.2	04:05 AM - 04:10 AM	59.2	57.9
10:50 PM - 10:55 PM	58.8	58.1	01:30 AM - 01:35 AM	59.5	59.0	04:10 AM - 04:15 AM	59.1	58.2
10:55 PM - 11:00 PM	58.5	57.8	01:35 AM - 01:40 AM	58.5	57.4	04:15 AM - 04:20 AM	59.7	58.4
11:00 PM - 11:05 PM	58.2	57.7	01:40 AM - 01:45 AM	57.8	57.0	04:20 AM - 04:25 AM	61.2	59.4
11:05 PM - 11:10 PM	57.9	56.8	01:45 AM - 01:50 AM	57.7	57.0	04:25 AM - 04:30 AM	62.9	61.4
11:10 PM - 11:15 PM	57.1	56.6	01:50 AM - 01:55 AM	57.9	57.4	04:30 AM - 04:35 AM	63.5	62.4
11:15 PM - 11:20 PM	56.4	55.7	01:55 AM - 02:00 AM	58.6	57.6	04:35 AM - 04:40 AM	61.3	58.8
11:20 PM - 11:25 PM	55.5	55.0	02:00 AM - 02:05 AM	58.4	57.7	04:40 AM - 04:45 AM	58.6	56.4
11:25 PM - 11:30 PM	55.5	55.1	02:05 AM - 02:10 AM	57.8	57.2	04:45 AM - 04:50 AM	56.7	55.9
11:30 PM - 11:35 PM	56.2	55.5	02:10 AM - 02:15 AM	57.9	57.1	04:50 AM - 04:55 AM	57.1	55.4
11:35 PM - 11:40 PM	56.7	56.0	02:15 AM - 02:20 AM	57.2	56.6	04:55 AM - 05:00 AM	56.6	55.2

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Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439573-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-2
Parameter Noise Level (Leq 5 min)
Location ริมรั้วด้านทิศใต้ของโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 18 - Oct 19, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)
05:00 AM - 05:05 AM	57.9	55.2	07:40 AM - 07:45 AM	54.2	53.7	10:20 AM - 10:25 AM	53.4	53.0
05:05 AM - 05:10 AM	57.5	55.0	07:45 AM - 07:50 AM	54.1	53.6	10:25 AM - 10:30 AM	53.5	52.9
05:10 AM - 05:15 AM	55.7	54.9	07:50 AM - 07:55 AM	54.0	53.4	10:30 AM - 10:35 AM	53.4	53.0
05:15 AM - 05:20 AM	56.8	55.0	07:55 AM - 08:00 AM	53.8	53.2	10:35 AM - 10:40 AM	53.4	52.9
05:20 AM - 05:25 AM	55.6	54.8	08:00 AM - 08:05 AM	53.7	53.2	10:40 AM - 10:45 AM	54.4	53.1
05:25 AM - 05:30 AM	55.4	54.5	08:05 AM - 08:10 AM	53.8	53.3	10:45 AM - 10:50 AM	53.5	52.9
05:30 AM - 05:35 AM	55.9	54.9	08:10 AM - 08:15 AM	56.8	53.3	10:50 AM - 10:55 AM	53.7	53.1
05:35 AM - 05:40 AM	55.6	54.8	08:15 AM - 08:20 AM	54.5	53.3	10:55 AM - 11:00 AM	53.6	53.0
05:40 AM - 05:45 AM	57.9	54.8	08:20 AM - 08:25 AM	54.2	53.2	11:00 AM - 11:05 AM	54.4	53.3
05:45 AM - 05:50 AM	55.3	54.8	08:25 AM - 08:30 AM	54.0	53.2	11:05 AM - 11:10 AM	53.4	52.8
05:50 AM - 05:55 AM	55.3	54.6	08:30 AM - 08:35 AM	53.9	53.1	11:10 AM - 11:15 AM	53.8	52.7
05:55 AM - 06:00 AM	55.1	54.5	08:35 AM - 08:40 AM	53.7	53.2	11:15 AM - 11:20 AM	53.2	52.5
06:00 AM - 06:05 AM	55.0	54.4	08:40 AM - 08:45 AM	54.0	53.2	11:20 AM - 11:25 AM	53.0	52.3
06:05 AM - 06:10 AM	55.2	54.6	08:45 AM - 08:50 AM	53.6	53.1	11:25 AM - 11:30 AM	52.8	52.3
06:10 AM - 06:15 AM	55.1	54.6	08:50 AM - 08:55 AM	53.6	53.1	11:30 AM - 11:35 AM	53.0	52.4
06:15 AM - 06:20 AM	55.1	54.4	08:55 AM - 09:00 AM	53.8	53.1	11:35 AM - 11:40 AM	53.4	52.7
06:20 AM - 06:25 AM	55.4	54.5	09:00 AM - 09:05 AM	54.2	53.0	11:40 AM - 11:45 AM	53.1	52.6
06:25 AM - 06:30 AM	54.9	54.2	09:05 AM - 09:10 AM	53.9	53.0	11:45 AM - 11:50 AM	53.1	52.6
06:30 AM - 06:35 AM	55.2	54.1	09:10 AM - 09:15 AM	53.4	52.9	11:50 AM - 11:55 AM	53.3	52.7
06:35 AM - 06:40 AM	55.4	54.2	09:15 AM - 09:20 AM	53.6	53.0	11:55 AM - 12:00 PM	53.3	52.8
06:40 AM - 06:45 AM	54.8	53.9	09:20 AM - 09:25 AM	53.5	53.0	12:00 PM - 12:05 PM	53.2	52.8
06:45 AM - 06:50 AM	54.3	53.8	09:25 AM - 09:30 AM	53.5	52.9	12:05 PM - 12:10 PM	53.4	53.0
06:50 AM - 06:55 AM	54.0	53.6	09:30 AM - 09:35 AM	53.1	52.6	12:10 PM - 12:15 PM	53.6	53.2
06:55 AM - 07:00 AM	54.9	53.7	09:35 AM - 09:40 AM	53.2	52.7	12:15 PM - 12:20 PM	53.9	53.4
07:00 AM - 07:05 AM	54.6	53.6	09:40 AM - 09:45 AM	53.5	52.8	12:20 PM - 12:25 PM	53.7	53.2
07:05 AM - 07:10 AM	54.5	53.6	09:45 AM - 09:50 AM	53.7	52.8	12:25 PM - 12:30 PM	53.6	52.9
07:10 AM - 07:15 AM	54.1	53.6	09:50 AM - 09:55 AM	53.6	53.0	12:30 PM - 12:35 PM	53.3	52.9
07:15 AM - 07:20 AM	55.5	53.8	09:55 AM - 10:00 AM	55.5	52.9	12:35 PM - 12:40 PM	53.2	52.7
07:20 AM - 07:25 AM	54.8	53.7	10:00 AM - 10:05 AM	53.2	52.8	12:40 PM - 12:45 PM	53.2	52.6
07:25 AM - 07:30 AM	54.2	53.7	10:05 AM - 10:10 AM	53.2	52.8	12:45 PM - 12:50 PM	52.9	52.4
07:30 AM - 07:35 AM	53.9	53.4	10:10 AM - 10:15 AM	53.3	52.9	12:50 PM - 12:55 PM	53.2	52.8
07:35 AM - 07:40 AM	54.3	53.6	10:15 AM - 10:20 AM	53.6	53.1	12:55 PM - 01:00 PM	53.7	53.0

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Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439574-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-3
Parameter Noise Level (Leq 5 min)
Location ริมรั้วด้านทิศใต้ของโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 19 - Oct 20, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)
01:00 PM - 01:05 PM	53.5	53.0	03:40 PM - 03:45 PM	55.0	54.3	06:20 PM - 06:25 PM	54.9	54.4
01:05 PM - 01:10 PM	53.5	53.0	03:45 PM - 03:50 PM	55.6	54.4	06:25 PM - 06:30 PM	54.9	54.4
01:10 PM - 01:15 PM	53.9	53.3	03:50 PM - 03:55 PM	57.6	56.4	06:30 PM - 06:35 PM	55.2	54.6
01:15 PM - 01:20 PM	53.6	53.0	03:55 PM - 04:00 PM	57.7	56.7	06:35 PM - 06:40 PM	55.1	54.5
01:20 PM - 01:25 PM	53.2	52.8	04:00 PM - 04:05 PM	65.7	59.5	06:40 PM - 06:45 PM	55.0	54.6
01:25 PM - 01:30 PM	53.4	52.9	04:05 PM - 04:10 PM	66.2	64.8	06:45 PM - 06:50 PM	55.2	54.8
01:30 PM - 01:35 PM	54.0	53.4	04:10 PM - 04:15 PM	65.9	64.3	06:50 PM - 06:55 PM	55.4	54.8
01:35 PM - 01:40 PM	54.0	53.3	04:15 PM - 04:20 PM	65.3	63.6	06:55 PM - 07:00 PM	55.2	54.8
01:40 PM - 01:45 PM	53.5	53.0	04:20 PM - 04:25 PM	63.8	62.2	07:00 PM - 07:05 PM	55.3	54.8
01:45 PM - 01:50 PM	53.4	53.0	04:25 PM - 04:30 PM	62.5	61.1	07:05 PM - 07:10 PM	55.4	54.7
01:50 PM - 01:55 PM	53.4	52.9	04:30 PM - 04:35 PM	60.3	59.5	07:10 PM - 07:15 PM	55.2	54.8
01:55 PM - 02:00 PM	53.5	52.7	04:35 PM - 04:40 PM	59.5	58.9	07:15 PM - 07:20 PM	55.2	54.8
02:00 PM - 02:05 PM	54.6	53.0	04:40 PM - 04:45 PM	58.5	57.8	07:20 PM - 07:25 PM	55.5	55.1
02:05 PM - 02:10 PM	53.9	52.9	04:45 PM - 04:50 PM	57.5	56.9	07:25 PM - 07:30 PM	55.5	55.1
02:10 PM - 02:15 PM	53.6	53.1	04:50 PM - 04:55 PM	56.6	56.1	07:30 PM - 07:35 PM	55.4	55.0
02:15 PM - 02:20 PM	54.6	53.2	04:55 PM - 05:00 PM	55.7	54.8	07:35 PM - 07:40 PM	55.5	54.9
02:20 PM - 02:25 PM	53.8	53.3	05:00 PM - 05:05 PM	55.5	54.8	07:40 PM - 07:45 PM	55.3	54.7
02:25 PM - 02:30 PM	54.0	53.2	05:05 PM - 05:10 PM	54.5	54.1	07:45 PM - 07:50 PM	54.9	54.5
02:30 PM - 02:35 PM	56.3	53.2	05:10 PM - 05:15 PM	54.9	54.1	07:50 PM - 07:55 PM	55.5	54.7
02:35 PM - 02:40 PM	54.5	53.1	05:15 PM - 05:20 PM	54.2	53.8	07:55 PM - 08:00 PM	55.9	55.3
02:40 PM - 02:45 PM	53.8	53.0	05:20 PM - 05:25 PM	54.2	53.8	08:00 PM - 08:05 PM	55.8	55.3
02:45 PM - 02:50 PM	53.2	52.7	05:25 PM - 05:30 PM	54.2	53.7	08:05 PM - 08:10 PM	55.6	55.1
02:50 PM - 02:55 PM	53.7	53.2	05:30 PM - 05:35 PM	54.3	53.9	08:10 PM - 08:15 PM	55.6	55.0
02:55 PM - 03:00 PM	55.3	53.1	05:35 PM - 05:40 PM	54.3	53.8	08:15 PM - 08:20 PM	55.7	54.8
03:00 PM - 03:05 PM	58.7	53.7	05:40 PM - 05:45 PM	54.1	53.8	08:20 PM - 08:25 PM	56.2	55.7
03:05 PM - 03:10 PM	55.6	53.9	05:45 PM - 05:50 PM	54.9	54.0	08:25 PM - 08:30 PM	56.3	55.6
03:10 PM - 03:15 PM	54.9	54.0	05:50 PM - 05:55 PM	55.0	54.4	08:30 PM - 08:35 PM	56.5	55.8
03:15 PM - 03:20 PM	55.2	54.3	05:55 PM - 06:00 PM	54.8	54.4	08:35 PM - 08:40 PM	56.3	55.8
03:20 PM - 03:25 PM	54.7	53.7	06:00 PM - 06:05 PM	54.9	54.4	08:40 PM - 08:45 PM	56.5	55.9
03:25 PM - 03:30 PM	54.8	53.7	06:05 PM - 06:10 PM	55.0	54.4	08:45 PM - 08:50 PM	56.5	55.7
03:30 PM - 03:35 PM	55.1	53.9	06:10 PM - 06:15 PM	55.8	54.4	08:50 PM - 08:55 PM	56.7	55.9
03:35 PM - 03:40 PM	55.5	54.6	06:15 PM - 06:20 PM	55.7	54.4	08:55 PM - 09:00 PM	56.8	56.3

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Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439574-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-3
Parameter Noise Level (Leq 5 min)
Location ริมรั้วด้านทิศใต้ของโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 19 - Oct 20, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 19 - Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)
09:00 PM - 09:05 PM	56.7	56.1	11:40 PM - 11:45 PM	54.0	53.6	02:20 AM - 02:25 AM	54.8	54.3
09:05 PM - 09:10 PM	57.7	56.3	11:45 PM - 11:50 PM	53.9	53.5	02:25 AM - 02:30 AM	55.0	54.2
09:10 PM - 09:15 PM	56.7	54.9	11:50 PM - 11:55 PM	53.9	53.5	02:30 AM - 02:35 AM	54.8	54.3
09:15 PM - 09:20 PM	55.9	55.3	11:55 PM - 12:00 AM	53.8	53.4	02:35 AM - 02:40 AM	55.0	54.5
09:20 PM - 09:25 PM	55.4	54.9	12:00 AM - 12:05 AM	53.8	53.5	02:40 AM - 02:45 AM	55.3	54.6
09:25 PM - 09:30 PM	55.3	54.8	12:05 AM - 12:10 AM	53.8	53.4	02:45 AM - 02:50 AM	55.1	54.7
09:30 PM - 09:35 PM	54.6	54.1	12:10 AM - 12:15 AM	53.8	53.5	02:50 AM - 02:55 AM	55.2	54.6
09:35 PM - 09:40 PM	54.5	54.0	12:15 AM - 12:20 AM	53.7	53.4	02:55 AM - 03:00 AM	55.0	54.5
09:40 PM - 09:45 PM	54.3	53.9	12:20 AM - 12:25 AM	53.8	53.4	03:00 AM - 03:05 AM	55.6	54.9
09:45 PM - 09:50 PM	54.2	53.8	12:25 AM - 12:30 AM	53.8	53.4	03:05 AM - 03:10 AM	55.4	54.9
09:50 PM - 09:55 PM	54.1	53.7	12:30 AM - 12:35 AM	53.7	53.4	03:10 AM - 03:15 AM	55.4	54.9
09:55 PM - 10:00 PM	54.2	53.8	12:35 AM - 12:40 AM	53.8	53.4	03:15 AM - 03:20 AM	55.6	54.9
10:00 PM - 10:05 PM	54.2	53.8	12:40 AM - 12:45 AM	53.8	53.4	03:20 AM - 03:25 AM	55.5	55.0
10:05 PM - 10:10 PM	54.5	53.8	12:45 AM - 12:50 AM	53.8	53.4	03:25 AM - 03:30 AM	55.8	55.1
10:10 PM - 10:15 PM	54.1	53.7	12:50 AM - 12:55 AM	53.8	53.4	03:30 AM - 03:35 AM	55.7	55.1
10:15 PM - 10:20 PM	54.1	53.7	12:55 AM - 01:00 AM	53.9	53.5	03:35 AM - 03:40 AM	55.6	55.1
10:20 PM - 10:25 PM	54.2	53.8	01:00 AM - 01:05 AM	53.7	53.3	03:40 AM - 03:45 AM	55.9	55.2
10:25 PM - 10:30 PM	54.2	53.8	01:05 AM - 01:10 AM	53.8	53.4	03:45 AM - 03:50 AM	56.6	55.7
10:30 PM - 10:35 PM	54.1	53.7	01:10 AM - 01:15 AM	53.9	53.5	03:50 AM - 03:55 AM	56.5	55.7
10:35 PM - 10:40 PM	54.1	53.7	01:15 AM - 01:20 AM	54.0	53.6	03:55 AM - 04:00 AM	57.0	56.0
10:40 PM - 10:45 PM	54.0	53.5	01:20 AM - 01:25 AM	53.9	53.5	04:00 AM - 04:05 AM	58.6	56.9
10:45 PM - 10:50 PM	54.0	53.5	01:25 AM - 01:30 AM	53.9	53.5	04:05 AM - 04:10 AM	58.9	57.4
10:50 PM - 10:55 PM	54.4	53.6	01:30 AM - 01:35 AM	53.9	53.5	04:10 AM - 04:15 AM	59.1	57.1
10:55 PM - 11:00 PM	54.4	53.9	01:35 AM - 01:40 AM	54.0	53.6	04:15 AM - 04:20 AM	58.9	57.4
11:00 PM - 11:05 PM	54.3	53.9	01:40 AM - 01:45 AM	54.0	53.6	04:20 AM - 04:25 AM	60.6	58.7
11:05 PM - 11:10 PM	54.1	53.7	01:45 AM - 01:50 AM	54.3	53.7	04:25 AM - 04:30 AM	63.3	61.4
11:10 PM - 11:15 PM	54.0	53.6	01:50 AM - 01:55 AM	54.1	53.7	04:30 AM - 04:35 AM	64.6	63.0
11:15 PM - 11:20 PM	54.3	53.7	01:55 AM - 02:00 AM	54.2	53.8	04:35 AM - 04:40 AM	63.0	60.8
11:20 PM - 11:25 PM	54.0	53.6	02:00 AM - 02:05 AM	54.2	53.8	04:40 AM - 04:45 AM	60.4	57.9
11:25 PM - 11:30 PM	54.0	53.6	02:05 AM - 02:10 AM	54.3	53.9	04:45 AM - 04:50 AM	57.2	54.5
11:30 PM - 11:35 PM	54.0	53.6	02:10 AM - 02:15 AM	54.6	54.1	04:50 AM - 04:55 AM	56.8	54.0
11:35 PM - 11:40 PM	54.0	53.6	02:15 AM - 02:20 AM	54.8	54.1	04:55 AM - 05:00 AM	55.9	53.9

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439574-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-3
Parameter Noise Level (Leq 5 min)
Location ริมรั้วด้านทิศใต้ของโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 19 - Oct 20, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)
05:00 AM - 05:05 AM	56.5	54.7	07:40 AM - 07:45 AM	58.1	57.3	10:20 AM - 10:25 AM	58.3	56.8
05:05 AM - 05:10 AM	57.2	54.7	07:45 AM - 07:50 AM	57.7	57.1	10:25 AM - 10:30 AM	57.6	56.1
05:10 AM - 05:15 AM	57.9	55.3	07:50 AM - 07:55 AM	57.8	57.1	10:30 AM - 10:35 AM	57.3	56.4
05:15 AM - 05:20 AM	57.9	55.3	07:55 AM - 08:00 AM	57.6	56.8	10:35 AM - 10:40 AM	57.9	56.4
05:20 AM - 05:25 AM	59.6	55.6	08:00 AM - 08:05 AM	60.5	56.8	10:40 AM - 10:45 AM	57.2	56.4
05:25 AM - 05:30 AM	58.7	55.4	08:05 AM - 08:10 AM	62.9	55.4	10:45 AM - 10:50 AM	57.3	56.5
05:30 AM - 05:35 AM	60.4	56.1	08:10 AM - 08:15 AM	62.6	56.9	10:50 AM - 10:55 AM	58.1	57.4
05:35 AM - 05:40 AM	59.3	55.4	08:15 AM - 08:20 AM	60.0	55.0	10:55 AM - 11:00 AM	58.7	57.5
05:40 AM - 05:45 AM	59.0	55.4	08:20 AM - 08:25 AM	60.4	53.9	11:00 AM - 11:05 AM	57.5	56.9
05:45 AM - 05:50 AM	58.4	55.2	08:25 AM - 08:30 AM	58.0	53.0	11:05 AM - 11:10 AM	57.4	56.9
05:50 AM - 05:55 AM	57.1	54.9	08:30 AM - 08:35 AM	59.2	53.7	11:10 AM - 11:15 AM	57.3	56.8
05:55 AM - 06:00 AM	57.2	55.7	08:35 AM - 08:40 AM	62.3	56.6	11:15 AM - 11:20 AM	57.2	56.6
06:00 AM - 06:05 AM	56.8	55.3	08:40 AM - 08:45 AM	57.9	56.7	11:20 AM - 11:25 AM	57.9	56.5
06:05 AM - 06:10 AM	57.7	55.0	08:45 AM - 08:50 AM	58.2	57.0	11:25 AM - 11:30 AM	58.4	56.9
06:10 AM - 06:15 AM	58.2	55.3	08:50 AM - 08:55 AM	58.2	57.2	11:30 AM - 11:35 AM	57.5	56.7
06:15 AM - 06:20 AM	58.7	56.1	08:55 AM - 09:00 AM	58.0	57.0	11:35 AM - 11:40 AM	64.3	58.6
06:20 AM - 06:25 AM	57.4	56.3	09:00 AM - 09:05 AM	57.5	56.8	11:40 AM - 11:45 AM	61.3	59.9
06:25 AM - 06:30 AM	58.0	57.0	09:05 AM - 09:10 AM	57.5	56.8	11:45 AM - 11:50 AM	59.0	57.6
06:30 AM - 06:35 AM	58.8	56.8	09:10 AM - 09:15 AM	57.9	56.8	11:50 AM - 11:55 AM	58.4	57.7
06:35 AM - 06:40 AM	58.4	57.1	09:15 AM - 09:20 AM	61.3	57.0	11:55 AM - 12:00 PM	57.9	56.6
06:40 AM - 06:45 AM	57.7	57.0	09:20 AM - 09:25 AM	64.1	56.8	12:00 PM - 12:05 PM	57.5	56.9
06:45 AM - 06:50 AM	58.0	57.1	09:25 AM - 09:30 AM	66.1	57.0	12:05 PM - 12:10 PM	57.7	57.0
06:50 AM - 06:55 AM	57.6	57.0	09:30 AM - 09:35 AM	66.5	62.5	12:10 PM - 12:15 PM	57.4	56.7
06:55 AM - 07:00 AM	60.0	57.2	09:35 AM - 09:40 AM	65.3	61.9	12:15 PM - 12:20 PM	57.8	57.1
07:00 AM - 07:05 AM	60.5	54.5	09:40 AM - 09:45 AM	65.1	61.9	12:20 PM - 12:25 PM	57.5	57.0
07:05 AM - 07:10 AM	60.7	54.7	09:45 AM - 09:50 AM	66.1	62.5	12:25 PM - 12:30 PM	57.5	56.9
07:10 AM - 07:15 AM	59.6	53.5	09:50 AM - 09:55 AM	65.0	61.9	12:30 PM - 12:35 PM	57.7	56.8
07:15 AM - 07:20 AM	62.1	54.4	09:55 AM - 10:00 AM	61.1	57.7	12:35 PM - 12:40 PM	58.5	57.5
07:20 AM - 07:25 AM	56.0	54.4	10:00 AM - 10:05 AM	57.7	57.0	12:40 PM - 12:45 PM	58.5	57.6
07:25 AM - 07:30 AM	55.2	52.6	10:05 AM - 10:10 AM	57.9	57.0	12:45 PM - 12:50 PM	57.8	57.3
07:30 AM - 07:35 AM	54.2	53.2	10:10 AM - 10:15 AM	57.7	57.0	12:50 PM - 12:55 PM	58.2	57.6
07:35 AM - 07:40 AM	60.8	57.7	10:15 AM - 10:20 AM	57.9	56.7	12:55 PM - 01:00 PM	58.1	57.4

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439575-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-4
Parameter Noise Level (Leq 5 min)
Location ริมรั้วด้านทิศใต้ของโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 20 - Oct 21, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)
01:00 PM - 01:05 PM	58.0	57.3	03:40 PM - 03:45 PM	58.6	57.9	06:20 PM - 06:25 PM	58.2	57.1
01:05 PM - 01:10 PM	59.0	57.7	03:45 PM - 03:50 PM	62.3	58.8	06:25 PM - 06:30 PM	57.7	57.1
01:10 PM - 01:15 PM	58.5	57.9	03:50 PM - 03:55 PM	64.5	63.1	06:30 PM - 06:35 PM	59.3	58.0
01:15 PM - 01:20 PM	60.0	58.4	03:55 PM - 04:00 PM	64.2	62.8	06:35 PM - 06:40 PM	59.3	58.8
01:20 PM - 01:25 PM	59.6	58.4	04:00 PM - 04:05 PM	64.3	63.0	06:40 PM - 06:45 PM	59.7	59.1
01:25 PM - 01:30 PM	59.5	58.8	04:05 PM - 04:10 PM	65.6	64.1	06:45 PM - 06:50 PM	59.9	59.5
01:30 PM - 01:35 PM	59.2	58.6	04:10 PM - 04:15 PM	65.5	64.0	06:50 PM - 06:55 PM	59.7	59.3
01:35 PM - 01:40 PM	60.1	59.1	04:15 PM - 04:20 PM	66.1	64.4	06:55 PM - 07:00 PM	59.7	59.2
01:40 PM - 01:45 PM	62.9	60.0	04:20 PM - 04:25 PM	64.9	63.2	07:00 PM - 07:05 PM	59.4	58.6
01:45 PM - 01:50 PM	59.5	58.7	04:25 PM - 04:30 PM	63.2	61.7	07:05 PM - 07:10 PM	59.5	58.9
01:50 PM - 01:55 PM	60.5	59.0	04:30 PM - 04:35 PM	61.6	60.6	07:10 PM - 07:15 PM	59.6	58.6
01:55 PM - 02:00 PM	59.5	58.3	04:35 PM - 04:40 PM	61.3	60.8	07:15 PM - 07:20 PM	59.5	58.9
02:00 PM - 02:05 PM	59.2	58.1	04:40 PM - 04:45 PM	61.5	61.0	07:20 PM - 07:25 PM	59.6	58.8
02:05 PM - 02:10 PM	59.8	58.4	04:45 PM - 04:50 PM	60.9	60.2	07:25 PM - 07:30 PM	59.6	59.1
02:10 PM - 02:15 PM	59.1	58.3	04:50 PM - 04:55 PM	60.6	59.9	07:30 PM - 07:35 PM	60.2	58.9
02:15 PM - 02:20 PM	59.2	58.4	04:55 PM - 05:00 PM	59.6	58.7	07:35 PM - 07:40 PM	60.3	59.5
02:20 PM - 02:25 PM	60.0	58.8	05:00 PM - 05:05 PM	58.5	57.8	07:40 PM - 07:45 PM	60.9	60.2
02:25 PM - 02:30 PM	59.5	58.0	05:05 PM - 05:10 PM	58.6	58.1	07:45 PM - 07:50 PM	60.9	59.8
02:30 PM - 02:35 PM	58.6	57.3	05:10 PM - 05:15 PM	59.0	58.1	07:50 PM - 07:55 PM	60.7	59.6
02:35 PM - 02:40 PM	59.9	56.9	05:15 PM - 05:20 PM	59.0	57.9	07:55 PM - 08:00 PM	60.0	59.2
02:40 PM - 02:45 PM	57.8	56.9	05:20 PM - 05:25 PM	58.2	57.8	08:00 PM - 08:05 PM	60.1	59.7
02:45 PM - 02:50 PM	59.0	57.4	05:25 PM - 05:30 PM	58.0	57.5	08:05 PM - 08:10 PM	60.2	59.8
02:50 PM - 02:55 PM	60.7	60.3	05:30 PM - 05:35 PM	58.5	57.5	08:10 PM - 08:15 PM	60.2	59.8
02:55 PM - 03:00 PM	60.2	59.5	05:35 PM - 05:40 PM	58.0	57.3	08:15 PM - 08:20 PM	59.9	59.4
03:00 PM - 03:05 PM	59.6	57.9	05:40 PM - 05:45 PM	57.9	57.5	08:20 PM - 08:25 PM	59.7	59.1
03:05 PM - 03:10 PM	60.2	58.8	05:45 PM - 05:50 PM	58.2	57.6	08:25 PM - 08:30 PM	60.0	59.6
03:10 PM - 03:15 PM	58.7	57.6	05:50 PM - 05:55 PM	59.1	58.4	08:30 PM - 08:35 PM	59.9	59.6
03:15 PM - 03:20 PM	59.4	57.2	05:55 PM - 06:00 PM	58.9	58.2	08:35 PM - 08:40 PM	59.8	59.5
03:20 PM - 03:25 PM	57.7	56.9	06:00 PM - 06:05 PM	58.3	57.7	08:40 PM - 08:45 PM	60.1	59.8
03:25 PM - 03:30 PM	58.3	57.3	06:05 PM - 06:10 PM	57.9	57.4	08:45 PM - 08:50 PM	60.1	59.8
03:30 PM - 03:35 PM	59.0	57.7	06:10 PM - 06:15 PM	57.9	57.4	08:50 PM - 08:55 PM	60.1	59.9
03:35 PM - 03:40 PM	58.6	57.5	06:15 PM - 06:20 PM	57.9	57.4	08:55 PM - 09:00 PM	60.0	59.6

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439575-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-4
Parameter Noise Level (Leq 5 min)
Location ริมรั้วด้านทิศใต้ของโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 20 - Oct 21, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 20 - Oct 21, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 21, 2025 Time	Leq dB(A)	L90 dB(A)
09:00 PM - 09:05 PM	59.7	59.2	11:40 PM - 11:45 PM	55.7	55.2	02:20 AM - 02:25 AM	56.3	55.5
09:05 PM - 09:10 PM	59.1	58.6	11:45 PM - 11:50 PM	55.9	55.3	02:25 AM - 02:30 AM	56.1	55.6
09:10 PM - 09:15 PM	58.3	57.5	11:50 PM - 11:55 PM	56.1	55.3	02:30 AM - 02:35 AM	56.0	55.5
09:15 PM - 09:20 PM	58.4	57.5	11:55 PM - 12:00 AM	57.4	55.6	02:35 AM - 02:40 AM	56.3	55.3
09:20 PM - 09:25 PM	58.4	57.7	12:00 AM - 12:05 AM	56.5	55.2	02:40 AM - 02:45 AM	55.7	55.2
09:25 PM - 09:30 PM	58.9	58.4	12:05 AM - 12:10 AM	56.0	55.2	02:45 AM - 02:50 AM	55.5	55.1
09:30 PM - 09:35 PM	59.6	58.9	12:10 AM - 12:15 AM	56.6	55.4	02:50 AM - 02:55 AM	55.3	54.8
09:35 PM - 09:40 PM	60.1	59.6	12:15 AM - 12:20 AM	56.3	55.2	02:55 AM - 03:00 AM	55.4	55.0
09:40 PM - 09:45 PM	60.4	59.8	12:20 AM - 12:25 AM	56.1	55.3	03:00 AM - 03:05 AM	55.9	55.0
09:45 PM - 09:50 PM	59.1	58.2	12:25 AM - 12:30 AM	55.9	55.3	03:05 AM - 03:10 AM	55.9	55.0
09:50 PM - 09:55 PM	58.7	58.1	12:30 AM - 12:35 AM	55.9	55.2	03:10 AM - 03:15 AM	55.7	55.2
09:55 PM - 10:00 PM	58.5	57.6	12:35 AM - 12:40 AM	55.9	55.2	03:15 AM - 03:20 AM	55.8	55.0
10:00 PM - 10:05 PM	59.2	58.1	12:40 AM - 12:45 AM	56.4	55.3	03:20 AM - 03:25 AM	55.3	54.9
10:05 PM - 10:10 PM	59.7	59.0	12:45 AM - 12:50 AM	57.0	55.5	03:25 AM - 03:30 AM	55.3	54.9
10:10 PM - 10:15 PM	60.3	58.8	12:50 AM - 12:55 AM	55.9	55.3	03:30 AM - 03:35 AM	55.7	55.0
10:15 PM - 10:20 PM	59.1	57.4	12:55 AM - 01:00 AM	56.1	55.4	03:35 AM - 03:40 AM	55.6	55.1
10:20 PM - 10:25 PM	60.6	60.2	01:00 AM - 01:05 AM	55.6	55.1	03:40 AM - 03:45 AM	55.9	55.3
10:25 PM - 10:30 PM	60.4	60.0	01:05 AM - 01:10 AM	56.0	55.5	03:45 AM - 03:50 AM	55.6	55.2
10:30 PM - 10:35 PM	60.2	59.9	01:10 AM - 01:15 AM	55.6	55.1	03:50 AM - 03:55 AM	55.9	55.3
10:35 PM - 10:40 PM	60.2	59.9	01:15 AM - 01:20 AM	55.8	55.1	03:55 AM - 04:00 AM	56.1	55.3
10:40 PM - 10:45 PM	60.3	60.0	01:20 AM - 01:25 AM	55.4	54.9	04:00 AM - 04:05 AM	56.8	56.0
10:45 PM - 10:50 PM	60.0	59.7	01:25 AM - 01:30 AM	55.7	55.2	04:05 AM - 04:10 AM	58.1	56.4
10:50 PM - 10:55 PM	60.0	59.7	01:30 AM - 01:35 AM	55.7	55.2	04:10 AM - 04:15 AM	59.3	57.1
10:55 PM - 11:00 PM	59.9	59.4	01:35 AM - 01:40 AM	55.7	55.2	04:15 AM - 04:20 AM	58.3	56.4
11:00 PM - 11:05 PM	58.9	58.0	01:40 AM - 01:45 AM	55.8	55.4	04:20 AM - 04:25 AM	58.6	57.1
11:05 PM - 11:10 PM	57.6	56.7	01:45 AM - 01:50 AM	56.3	55.5	04:25 AM - 04:30 AM	61.0	59.0
11:10 PM - 11:15 PM	57.1	56.5	01:50 AM - 01:55 AM	55.7	55.3	04:30 AM - 04:35 AM	63.0	60.7
11:15 PM - 11:20 PM	56.6	56.1	01:55 AM - 02:00 AM	55.7	55.3	04:35 AM - 04:40 AM	64.7	63.2
11:20 PM - 11:25 PM	56.1	55.7	02:00 AM - 02:05 AM	55.7	55.3	04:40 AM - 04:45 AM	64.6	62.7
11:25 PM - 11:30 PM	56.1	55.6	02:05 AM - 02:10 AM	55.8	55.4	04:45 AM - 04:50 AM	62.2	59.4
11:30 PM - 11:35 PM	55.7	55.2	02:10 AM - 02:15 AM	55.6	55.2	04:50 AM - 04:55 AM	59.3	55.9
11:35 PM - 11:40 PM	56.0	55.1	02:15 AM - 02:20 AM	56.0	55.3	04:55 AM - 05:00 AM	57.7	54.9

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439575-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-4
Parameter Noise Level (Leq 5 min)
Location วัดวิ่วด้านทิศใต้ของโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 20 - Oct 21, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 21, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 21, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 21, 2025 Time	Leq dB(A)	L90 dB(A)
05:00 AM - 05:05 AM	56.7	54.9	07:40 AM - 07:45 AM	57.8	57.3	10:20 AM - 10:25 AM	56.6	56.0
05:05 AM - 05:10 AM	57.4	55.6	07:45 AM - 07:50 AM	57.8	57.0	10:25 AM - 10:30 AM	56.6	56.0
05:10 AM - 05:15 AM	57.9	55.9	07:50 AM - 07:55 AM	58.1	57.1	10:30 AM - 10:35 AM	56.6	55.8
05:15 AM - 05:20 AM	57.5	55.8	07:55 AM - 08:00 AM	57.8	57.1	10:35 AM - 10:40 AM	56.9	56.1
05:20 AM - 05:25 AM	58.9	56.0	08:00 AM - 08:05 AM	57.9	56.9	10:40 AM - 10:45 AM	56.9	56.3
05:25 AM - 05:30 AM	59.9	56.4	08:05 AM - 08:10 AM	58.1	56.9	10:45 AM - 10:50 AM	56.8	55.7
05:30 AM - 05:35 AM	60.9	57.0	08:10 AM - 08:15 AM	58.3	56.9	10:50 AM - 10:55 AM	56.9	56.3
05:35 AM - 05:40 AM	59.8	56.6	08:15 AM - 08:20 AM	57.9	56.8	10:55 AM - 11:00 AM	56.4	55.9
05:40 AM - 05:45 AM	59.5	56.3	08:20 AM - 08:25 AM	57.4	56.6	11:00 AM - 11:05 AM	56.9	56.0
05:45 AM - 05:50 AM	59.3	56.9	08:25 AM - 08:30 AM	57.2	56.6	11:05 AM - 11:10 AM	57.4	56.5
05:50 AM - 05:55 AM	58.6	57.0	08:30 AM - 08:35 AM	57.2	56.6	11:10 AM - 11:15 AM	57.1	56.1
05:55 AM - 06:00 AM	59.6	56.5	08:35 AM - 08:40 AM	57.1	56.5	11:15 AM - 11:20 AM	57.1	56.1
06:00 AM - 06:05 AM	59.8	56.3	08:40 AM - 08:45 AM	57.7	56.8	11:20 AM - 11:25 AM	57.5	56.2
06:05 AM - 06:10 AM	58.5	56.4	08:45 AM - 08:50 AM	57.3	56.7	11:25 AM - 11:30 AM	57.6	56.3
06:10 AM - 06:15 AM	58.0	56.0	08:50 AM - 08:55 AM	57.6	56.8	11:30 AM - 11:35 AM	57.6	56.3
06:15 AM - 06:20 AM	56.4	55.5	08:55 AM - 09:00 AM	57.6	56.9	11:35 AM - 11:40 AM	57.1	56.3
06:20 AM - 06:25 AM	58.1	56.4	09:00 AM - 09:05 AM	57.9	57.0	11:40 AM - 11:45 AM	57.1	56.4
06:25 AM - 06:30 AM	58.9	56.9	09:05 AM - 09:10 AM	58.4	57.2	11:45 AM - 11:50 AM	57.2	56.3
06:30 AM - 06:35 AM	58.9	57.0	09:10 AM - 09:15 AM	58.2	57.1	11:50 AM - 11:55 AM	57.9	56.8
06:35 AM - 06:40 AM	60.5	56.9	09:15 AM - 09:20 AM	57.8	57.0	11:55 AM - 12:00 PM	57.4	56.5
06:40 AM - 06:45 AM	58.4	56.8	09:20 AM - 09:25 AM	57.5	56.9	12:00 PM - 12:05 PM	57.2	56.5
06:45 AM - 06:50 AM	58.7	57.1	09:25 AM - 09:30 AM	57.4	56.8	12:05 PM - 12:10 PM	56.9	56.3
06:50 AM - 06:55 AM	58.1	57.1	09:30 AM - 09:35 AM	58.0	57.0	12:10 PM - 12:15 PM	57.3	56.7
06:55 AM - 07:00 AM	58.4	57.2	09:35 AM - 09:40 AM	58.1	57.3	12:15 PM - 12:20 PM	57.4	56.8
07:00 AM - 07:05 AM	60.2	57.3	09:40 AM - 09:45 AM	58.0	57.1	12:20 PM - 12:25 PM	57.3	56.7
07:05 AM - 07:10 AM	60.4	58.2	09:45 AM - 09:50 AM	57.5	56.8	12:25 PM - 12:30 PM	57.1	56.5
07:10 AM - 07:15 AM	60.4	59.6	09:50 AM - 09:55 AM	58.3	57.4	12:30 PM - 12:35 PM	57.3	56.8
07:15 AM - 07:20 AM	60.4	59.7	09:55 AM - 10:00 AM	59.1	57.4	12:35 PM - 12:40 PM	57.5	56.8
07:20 AM - 07:25 AM	59.6	58.9	10:00 AM - 10:05 AM	58.0	57.3	12:40 PM - 12:45 PM	57.1	56.6
07:25 AM - 07:30 AM	59.2	58.4	10:05 AM - 10:10 AM	57.6	56.8	12:45 PM - 12:50 PM	57.5	56.9
07:30 AM - 07:35 AM	59.1	58.5	10:10 AM - 10:15 AM	57.2	56.5	12:50 PM - 12:55 PM	57.6	57.1
07:35 AM - 07:40 AM	58.8	57.7	10:15 AM - 10:20 AM	57.2	56.3	12:55 PM - 01:00 PM	57.6	56.9

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439576-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-5
Parameter Noise Level (Leq 5 min)
Location วัดวิ่วด้านทิศใต้ของโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 21 - Oct 22, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 21, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 21, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 21, 2025 Time	Leq dB(A)	L90 dB(A)
01:00 PM - 01:05 PM	57.9	57.2	03:40 PM - 03:45 PM	59.7	59.2	06:20 PM - 06:25 PM	57.7	56.9
01:05 PM - 01:10 PM	57.7	57.0	03:45 PM - 03:50 PM	60.6	59.2	06:25 PM - 06:30 PM	57.4	56.4
01:10 PM - 01:15 PM	58.1	57.1	03:50 PM - 03:55 PM	63.2	60.2	06:30 PM - 06:35 PM	57.4	56.5
01:15 PM - 01:20 PM	58.2	57.4	03:55 PM - 04:00 PM	64.8	63.4	06:35 PM - 06:40 PM	57.1	56.2
01:20 PM - 01:25 PM	58.5	57.6	04:00 PM - 04:05 PM	65.4	63.7	06:40 PM - 06:45 PM	57.0	56.1
01:25 PM - 01:30 PM	58.9	57.6	04:05 PM - 04:10 PM	66.3	64.8	06:45 PM - 06:50 PM	56.7	56.1
01:30 PM - 01:35 PM	58.5	57.5	04:10 PM - 04:15 PM	67.0	65.6	06:50 PM - 06:55 PM	56.9	56.2
01:35 PM - 01:40 PM	57.6	57.1	04:15 PM - 04:20 PM	67.2	65.7	06:55 PM - 07:00 PM	57.3	56.3
01:40 PM - 01:45 PM	58.1	57.4	04:20 PM - 04:25 PM	65.8	64.0	07:00 PM - 07:05 PM	56.5	55.9
01:45 PM - 01:50 PM	58.4	57.5	04:25 PM - 04:30 PM	64.5	62.5	07:05 PM - 07:10 PM	56.6	56.0
01:50 PM - 01:55 PM	58.8	58.1	04:30 PM - 04:35 PM	62.6	61.2	07:10 PM - 07:15 PM	56.8	56.1
01:55 PM - 02:00 PM	58.4	57.7	04:35 PM - 04:40 PM	60.8	60.0	07:15 PM - 07:20 PM	56.9	55.9
02:00 PM - 02:05 PM	58.9	57.8	04:40 PM - 04:45 PM	60.2	59.7	07:20 PM - 07:25 PM	56.7	56.1
02:05 PM - 02:10 PM	58.3	57.4	04:45 PM - 04:50 PM	59.5	58.9	07:25 PM - 07:30 PM	57.3	56.6
02:10 PM - 02:15 PM	58.5	57.7	04:50 PM - 04:55 PM	58.9	58.3	07:30 PM - 07:35 PM	57.9	57.4
02:15 PM - 02:20 PM	58.4	57.6	04:55 PM - 05:00 PM	58.8	58.0	07:35 PM - 07:40 PM	58.4	57.6
02:20 PM - 02:25 PM	58.2	57.6	05:00 PM - 05:05 PM	58.4	57.8	07:40 PM - 07:45 PM	57.6	57.2
02:25 PM - 02:30 PM	58.5	57.7	05:05 PM - 05:10 PM	58.0	57.4	07:45 PM - 07:50 PM	58.7	57.3
02:30 PM - 02:35 PM	59.8	58.8	05:10 PM - 05:15 PM	58.0	57.3	07:50 PM - 07:55 PM	58.5	57.1
02:35 PM - 02:40 PM	59.0	58.1	05:15 PM - 05:20 PM	57.7	57.1	07:55 PM - 08:00 PM	58.0	56.0
02:40 PM - 02:45 PM	58.5	57.4	05:20 PM - 05:25 PM	57.7	57.2	08:00 PM - 08:05 PM	56.1	55.5
02:45 PM - 02:50 PM	58.8	57.4	05:25 PM - 05:30 PM	57.6	57.2	08:05 PM - 08:10 PM	55.9	55.4
02:50 PM - 02:55 PM	59.8	57.4	05:30 PM - 05:35 PM	58.0	57.4	08:10 PM - 08:15 PM	56.0	55.4
02:55 PM - 03:00 PM	59.3	57.7	05:35 PM - 05:40 PM	57.8	57.4	08:15 PM - 08:20 PM	55.9	55.3
03:00 PM - 03:05 PM	59.5	57.5	05:40 PM - 05:45 PM	58.0	57.6	08:20 PM - 08:25 PM	55.9	55.3
03:05 PM - 03:10 PM	59.8	57.8	05:45 PM - 05:50 PM	58.0	57.5	08:25 PM - 08:30 PM	55.7	55.2
03:10 PM - 03:15 PM	59.3	57.9	05:50 PM - 05:55 PM	58.4	57.9	08:30 PM - 08:35 PM	55.5	55.1
03:15 PM - 03:20 PM	59.3	57.6	05:55 PM - 06:00 PM	57.9	57.5	08:35 PM - 08:40 PM	55.5	55.1
03:20 PM - 03:25 PM	58.4	57.6	06:00 PM - 06:05 PM	58.0	57.3	08:40 PM - 08:45 PM	55.7	55.2
03:25 PM - 03:30 PM	59.6	58.6	06:05 PM - 06:10 PM	57.9	57.1	08:45 PM - 08:50 PM	55.6	55.2
03:30 PM - 03:35 PM	60.3	59.0	06:10 PM - 06:15 PM	57.5	56.9	08:50 PM - 08:55 PM	55.8	55.3
03:35 PM - 03:40 PM	60.0	59.1	06:15 PM - 06:20 PM	57.8	57.0	08:55 PM - 09:00 PM	55.7	55.2

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439576-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-5
Parameter Noise Level (Leq 5 min)
Location วัดวิ่วด้านทิศใต้ของโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 21 - Oct 22, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 21, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 21 - Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)
09:00 PM - 09:05 PM	56.2	55.4	11:40 PM - 11:45 PM	54.4	53.7	02:20 AM - 02:25 AM	55.3	54.6
09:05 PM - 09:10 PM	56.2	55.4	11:45 PM - 11:50 PM	54.8	53.8	02:25 AM - 02:30 AM	55.2	54.4
09:10 PM - 09:15 PM	55.9	55.4	11:50 PM - 11:55 PM	55.1	53.9	02:30 AM - 02:35 AM	55.1	54.7
09:15 PM - 09:20 PM	56.0	55.5	11:55 PM - 12:00 AM	55.4	54.1	02:35 AM - 02:40 AM	55.2	54.6
09:20 PM - 09:25 PM	56.0	55.5	12:00 AM - 12:05 AM	55.7	54.4	02:40 AM - 02:45 AM	55.2	54.6
09:25 PM - 09:30 PM	55.9	55.3	12:05 AM - 12:10 AM	54.9	53.9	02:45 AM - 02:50 AM	55.0	54.6
09:30 PM - 09:35 PM	55.5	55.0	12:10 AM - 12:15 AM	54.6	53.8	02:50 AM - 02:55 AM	55.3	54.6
09:35 PM - 09:40 PM	55.5	55.1	12:15 AM - 12:20 AM	54.7	54.0	02:55 AM - 03:00 AM	55.2	54.7
09:40 PM - 09:45 PM	55.9	55.2	12:20 AM - 12:25 AM	54.5	53.8	03:00 AM - 03:05 AM	55.4	54.9
09:45 PM - 09:50 PM	56.9	55.6	12:25 AM - 12:30 AM	54.8	54.0	03:05 AM - 03:10 AM	55.9	55.1
09:50 PM - 09:55 PM	56.4	55.8	12:30 AM - 12:35 AM	54.9	54.1	03:10 AM - 03:15 AM	55.4	54.9
09:55 PM - 10:00 PM	56.7	56.0	12:35 AM - 12:40 AM	55.2	54.1	03:15 AM - 03:20 AM	55.7	54.9
10:00 PM - 10:05 PM	56.3	55.6	12:40 AM - 12:45 AM	54.4	53.8	03:20 AM - 03:25 AM	55.4	54.7
10:05 PM - 10:10 PM	57.1	56.7	12:45 AM - 12:50 AM	54.5	53.9	03:25 AM - 03:30 AM	56.7	55.1
10:10 PM - 10:15 PM	59.3	57.4	12:50 AM - 12:55 AM	54.4	53.8	03:30 AM - 03:35 AM	56.0	55.0
10:15 PM - 10:20 PM	56.5	55.8	12:55 AM - 01:00 AM	54.4	53.8	03:35 AM - 03:40 AM	55.7	55.0
10:20 PM - 10:25 PM	56.3	55.7	01:00 AM - 01:05 AM	54.6	53.9	03:40 AM - 03:45 AM	55.9	55.1
10:25 PM - 10:30 PM	56.1	55.3	01:05 AM - 01:10 AM	54.4	53.8	03:45 AM - 03:50 AM	55.8	55.1
10:30 PM - 10:35 PM	55.1	54.5	01:10 AM - 01:15 AM	54.2	53.8	03:50 AM - 03:55 AM	56.2	55.3
10:35 PM - 10:40 PM	55.1	54.4	01:15 AM - 01:20 AM	54.2	53.9	03:55 AM - 04:00 AM	56.7	55.4
10:40 PM - 10:45 PM	54.7	54.3	01:20 AM - 01:25 AM	54.3	53.9	04:00 AM - 04:05 AM	58.4	56.4
10:45 PM - 10:50 PM	54.8	54.3	01:25 AM - 01:30 AM	54.2	53.9	04:05 AM - 04:10 AM	60.0	57.5
10:50 PM - 10:55 PM	54.6	54.1	01:30 AM - 01:35 AM	54.3	53.9	04:10 AM - 04:15 AM	61.8	59.5
10:55 PM - 11:00 PM	54.7	54.3	01:35 AM - 01:40 AM	54.4	54.0	04:15 AM - 04:20 AM	60.9	58.8
11:00 PM - 11:05 PM	54.4	54.0	01:40 AM - 01:45 AM	54.4	54.0	04:20 AM - 04:25 AM	61.0	59.4
11:05 PM - 11:10 PM	54.4	53.9	01:45 AM - 01:50 AM	54.5	54.1	04:25 AM - 04:30 AM	62.1	59.9
11:10 PM - 11:15 PM	54.4	53.8	01:50 AM - 01:55 AM	54.7	54.2	04:30 AM - 04:35 AM	64.5	61.9
11:15 PM - 11:20 PM	54.3	53.7	01:55 AM - 02:00 AM	54.4	54.0	04:35 AM - 04:40 AM	65.7	63.8
11:20 PM - 11:25 PM	54.2	53.8	02:00 AM - 02:05 AM	54.8	54.5	04:40 AM - 04:45 AM	64.5	62.2
11:25 PM - 11:30 PM	54.2	53.9	02:05 AM - 02:10 AM	54.8	54.4	04:45 AM - 04:50 AM	61.5	57.4
11:30 PM - 11:35 PM	54.2	53.7	02:10 AM - 02:15 AM	55.2	54.4	04:50 AM - 04:55 AM	57.6	55.3
11:35 PM - 11:40 PM	54.4	53.6	02:15 AM - 02:20 AM	54.9	54.5	04:55 AM - 05:00 AM	58.0	55.3

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439576-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-5
Parameter Noise Level (Leq 5 min)
Location วัดวิ่วด้านทิศใต้ของโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 21 - Oct 22, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)
05:00 AM - 05:05 AM	57.6	55.4	07:40 AM - 07:45 AM	57.7	57.0	10:20 AM - 10:25 AM	56.9	56.2
05:05 AM - 05:10 AM	57.9	56.0	07:45 AM - 07:50 AM	58.5	57.2	10:25 AM - 10:30 AM	56.8	56.2
05:10 AM - 05:15 AM	57.6	55.9	07:50 AM - 07:55 AM	58.4	57.3	10:30 AM - 10:35 AM	56.7	56.0
05:15 AM - 05:20 AM	57.7	55.9	07:55 AM - 08:00 AM	58.6	57.6	10:35 AM - 10:40 AM	57.0	56.0
05:20 AM - 05:25 AM	57.2	55.8	08:00 AM - 08:05 AM	57.6	56.8	10:40 AM - 10:45 AM	56.8	56.2
05:25 AM - 05:30 AM	60.8	56.5	08:05 AM - 08:10 AM	58.1	57.4	10:45 AM - 10:50 AM	56.6	56.1
05:30 AM - 05:35 AM	58.5	55.5	08:10 AM - 08:15 AM	57.5	56.8	10:50 AM - 10:55 AM	57.5	56.7
05:35 AM - 05:40 AM	59.7	55.9	08:15 AM - 08:20 AM	57.0	56.4	10:55 AM - 11:00 AM	57.5	56.8
05:40 AM - 05:45 AM	59.9	56.8	08:20 AM - 08:25 AM	57.4	56.6	11:00 AM - 11:05 AM	57.4	56.6
05:45 AM - 05:50 AM	58.4	56.0	08:25 AM - 08:30 AM	57.4	56.8	11:05 AM - 11:10 AM	57.3	56.6
05:50 AM - 05:55 AM	57.9	56.0	08:30 AM - 08:35 AM	57.5	56.8	11:10 AM - 11:15 AM	57.5	56.6
05:55 AM - 06:00 AM	58.3	56.3	08:35 AM - 08:40 AM	57.4	56.7	11:15 AM - 11:20 AM	57.3	56.4
06:00 AM - 06:05 AM	58.4	56.3	08:40 AM - 08:45 AM	57.4	56.7	11:20 AM - 11:25 AM	57.3	56.8
06:05 AM - 06:10 AM	57.4	56.2	08:45 AM - 08:50 AM	58.0	56.7	11:25 AM - 11:30 AM	57.1	56.5
06:10 AM - 06:15 AM	58.3	56.2	08:50 AM - 08:55 AM	57.4	56.6	11:30 AM - 11:35 AM	57.3	56.6
06:15 AM - 06:20 AM	57.8	56.2	08:55 AM - 09:00 AM	57.5	56.8	11:35 AM - 11:40 AM	57.5	56.8
06:20 AM - 06:25 AM	58.1	56.3	09:00 AM - 09:05 AM	57.7	56.8	11:40 AM - 11:45 AM	58.6	56.8
06:25 AM - 06:30 AM	58.0	57.0	09:05 AM - 09:10 AM	57.3	56.6	11:45 AM - 11:50 AM	59.3	56.7
06:30 AM - 06:35 AM	58.0	56.7	09:10 AM - 09:15 AM	57.6	56.8	11:50 AM - 11:55 AM	59.9	57.8
06:35 AM - 06:40 AM	57.7	56.8	09:15 AM - 09:20 AM	57.7	57.0	11:55 AM - 12:00 PM	58.6	57.5
06:40 AM - 06:45 AM	57.5	56.8	09:20 AM - 09:25 AM	59.5	57.3	12:00 PM - 12:05 PM	58.3	57.1
06:45 AM - 06:50 AM	57.5	56.8	09:25 AM - 09:30 AM	57.8	57.0	12:05 PM - 12:10 PM	60.5	57.0
06:50 AM - 06:55 AM	57.6	56.7	09:30 AM - 09:35 AM	58.1	57.3	12:10 PM - 12:15 PM	58.1	56.9
06:55 AM - 07:00 AM	57.5	56.7	09:35 AM - 09:40 AM	57.9	57.0	12:15 PM - 12:20 PM	59.4	57.1
07:00 AM - 07:05 AM	58.0	56.8	09:40 AM - 09:45 AM	57.8	56.8	12:20 PM - 12:25 PM	57.9	56.9
07:05 AM - 07:10 AM	61.3	58.4	09:45 AM - 09:50 AM	58.1	57.1	12:25 PM - 12:30 PM	58.0	57.0
07:10 AM - 07:15 AM	60.8	60.0	09:50 AM - 09:55 AM	58.0	56.9	12:30 PM - 12:35 PM	58.6	57.2
07:15 AM - 07:20 AM	60.6	59.4	09:55 AM - 10:00 AM	57.6	56.5	12:35 PM - 12:40 PM	58.3	57.1
07:20 AM - 07:25 AM	59.5	58.9	10:00 AM - 10:05 AM	57.5	56.8	12:40 PM - 12:45 PM	58.4	57.2
07:25 AM - 07:30 AM	58.8	58.1	10:05 AM - 10:10 AM	57.5	56.7	12:45 PM - 12:50 PM	58.3	57.2
07:30 AM - 07:35 AM	59.3	58.4	10:10 AM - 10:15 AM	57.8	56.6	12:50 PM - 12:55 PM	58.7	57.2
07:35 AM - 07:40 AM	58.6	57.6	10:15 AM - 10:20 AM	57.2	56.3	12:55 PM - 01:00 PM	58.4	57.5

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439577-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-6
Parameter Noise Level (Leq 5 min)
Location ริมรั้วด้านทิศใต้ของโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 22 - Oct 23, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)
01:00 PM - 01:05 PM	57.8	57.1	03:40 PM - 03:45 PM	59.4	58.5	06:20 PM - 06:25 PM	57.7	57.2
01:05 PM - 01:10 PM	57.9	57.1	03:45 PM - 03:50 PM	59.9	58.9	06:25 PM - 06:30 PM	57.8	57.1
01:10 PM - 01:15 PM	58.3	57.1	03:50 PM - 03:55 PM	63.7	60.2	06:30 PM - 06:35 PM	57.9	57.2
01:15 PM - 01:20 PM	58.0	57.0	03:55 PM - 04:00 PM	64.3	63.0	06:35 PM - 06:40 PM	58.2	57.5
01:20 PM - 01:25 PM	58.8	57.4	04:00 PM - 04:05 PM	64.2	62.8	06:40 PM - 06:45 PM	58.5	57.1
01:25 PM - 01:30 PM	58.2	57.5	04:05 PM - 04:10 PM	66.2	64.0	06:45 PM - 06:50 PM	57.6	57.0
01:30 PM - 01:35 PM	58.1	57.1	04:10 PM - 04:15 PM	66.5	65.2	06:50 PM - 06:55 PM	57.4	56.8
01:35 PM - 01:40 PM	57.8	57.0	04:15 PM - 04:20 PM	66.8	65.4	06:55 PM - 07:00 PM	57.4	56.9
01:40 PM - 01:45 PM	57.5	56.8	04:20 PM - 04:25 PM	67.5	66.0	07:00 PM - 07:05 PM	58.3	57.3
01:45 PM - 01:50 PM	58.3	57.2	04:25 PM - 04:30 PM	67.3	65.9	07:05 PM - 07:10 PM	58.1	57.3
01:50 PM - 01:55 PM	58.3	57.4	04:30 PM - 04:35 PM	66.3	64.7	07:10 PM - 07:15 PM	57.4	56.7
01:55 PM - 02:00 PM	59.4	57.5	04:35 PM - 04:40 PM	63.8	62.3	07:15 PM - 07:20 PM	57.2	56.7
02:00 PM - 02:05 PM	58.3	57.4	04:40 PM - 04:45 PM	61.6	60.3	07:20 PM - 07:25 PM	57.0	56.5
02:05 PM - 02:10 PM	58.2	57.3	04:45 PM - 04:50 PM	60.2	59.3	07:25 PM - 07:30 PM	57.2	56.8
02:10 PM - 02:15 PM	58.0	57.3	04:50 PM - 04:55 PM	59.3	58.5	07:30 PM - 07:35 PM	57.8	57.2
02:15 PM - 02:20 PM	58.8	57.5	04:55 PM - 05:00 PM	58.6	57.9	07:35 PM - 07:40 PM	58.2	57.6
02:20 PM - 02:25 PM	58.4	57.5	05:00 PM - 05:05 PM	58.7	57.7	07:40 PM - 07:45 PM	58.0	57.3
02:25 PM - 02:30 PM	58.1	57.3	05:05 PM - 05:10 PM	58.1	57.6	07:45 PM - 07:50 PM	58.3	57.4
02:30 PM - 02:35 PM	58.5	57.4	05:10 PM - 05:15 PM	58.5	57.6	07:50 PM - 07:55 PM	59.2	58.0
02:35 PM - 02:40 PM	57.5	56.8	05:15 PM - 05:20 PM	57.7	57.2	07:55 PM - 08:00 PM	56.5	55.7
02:40 PM - 02:45 PM	58.4	57.3	05:20 PM - 05:25 PM	57.6	57.1	08:00 PM - 08:05 PM	56.1	55.6
02:45 PM - 02:50 PM	58.1	56.8	05:25 PM - 05:30 PM	57.6	57.1	08:05 PM - 08:10 PM	56.0	55.5
02:50 PM - 02:55 PM	57.5	56.8	05:30 PM - 05:35 PM	58.5	57.6	08:10 PM - 08:15 PM	56.0	55.5
02:55 PM - 03:00 PM	57.8	56.9	05:35 PM - 05:40 PM	58.3	57.4	08:15 PM - 08:20 PM	56.2	55.7
03:00 PM - 03:05 PM	57.7	57.0	05:40 PM - 05:45 PM	58.1	57.6	08:20 PM - 08:25 PM	56.1	55.7
03:05 PM - 03:10 PM	58.5	57.2	05:45 PM - 05:50 PM	58.0	57.4	08:25 PM - 08:30 PM	56.1	55.7
03:10 PM - 03:15 PM	58.4	57.6	05:50 PM - 05:55 PM	57.9	57.4	08:30 PM - 08:35 PM	56.2	55.6
03:15 PM - 03:20 PM	59.2	58.2	05:55 PM - 06:00 PM	57.9	57.3	08:35 PM - 08:40 PM	55.8	55.4
03:20 PM - 03:25 PM	59.0	57.7	06:00 PM - 06:05 PM	58.2	57.5	08:40 PM - 08:45 PM	56.2	55.7
03:25 PM - 03:30 PM	59.7	58.6	06:05 PM - 06:10 PM	57.9	57.5	08:45 PM - 08:50 PM	57.0	55.9
03:30 PM - 03:35 PM	59.7	58.7	06:10 PM - 06:15 PM	58.0	57.6	08:50 PM - 08:55 PM	56.3	55.8
03:35 PM - 03:40 PM	59.8	58.8	06:15 PM - 06:20 PM	58.0	57.5	08:55 PM - 09:00 PM	57.2	56.4

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439577-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-6
Parameter Noise Level (Leq 5 min)
Location ริมรั้วด้านทิศใต้ของโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 22 - Oct 23, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 22 - Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)
09:00 PM - 09:05 PM	57.8	57.1	11:40 PM - 11:45 PM	55.8	54.2	02:20 AM - 02:25 AM	54.5	54.0
09:05 PM - 09:10 PM	57.9	57.4	11:45 PM - 11:50 PM	55.8	54.0	02:25 AM - 02:30 AM	55.0	54.1
09:10 PM - 09:15 PM	58.6	57.7	11:50 PM - 11:55 PM	54.9	53.9	02:30 AM - 02:35 AM	54.8	54.2
09:15 PM - 09:20 PM	58.5	57.9	11:55 PM - 12:00 AM	54.5	53.6	02:35 AM - 02:40 AM	54.9	54.4
09:20 PM - 09:25 PM	58.9	58.0	12:00 AM - 12:05 AM	54.6	53.6	02:40 AM - 02:45 AM	54.9	54.4
09:25 PM - 09:30 PM	59.0	58.2	12:05 AM - 12:10 AM	54.9	53.6	02:45 AM - 02:50 AM	55.1	54.6
09:30 PM - 09:35 PM	58.3	57.2	12:10 AM - 12:15 AM	54.2	53.6	02:50 AM - 02:55 AM	54.9	54.5
09:35 PM - 09:40 PM	57.5	56.6	12:15 AM - 12:20 AM	54.1	53.6	02:55 AM - 03:00 AM	54.7	54.3
09:40 PM - 09:45 PM	57.1	56.3	12:20 AM - 12:25 AM	54.5	53.8	03:00 AM - 03:05 AM	54.9	54.4
09:45 PM - 09:50 PM	56.7	56.1	12:25 AM - 12:30 AM	54.2	53.7	03:05 AM - 03:10 AM	55.5	54.5
09:50 PM - 09:55 PM	57.1	56.5	12:30 AM - 12:35 AM	54.1	53.6	03:10 AM - 03:15 AM	55.0	54.5
09:55 PM - 10:00 PM	57.6	56.6	12:35 AM - 12:40 AM	54.7	53.5	03:15 AM - 03:20 AM	55.0	54.5
10:00 PM - 10:05 PM	57.2	56.4	12:40 AM - 12:45 AM	54.3	53.8	03:20 AM - 03:25 AM	56.3	54.6
10:05 PM - 10:10 PM	57.5	56.8	12:45 AM - 12:50 AM	55.3	53.5	03:25 AM - 03:30 AM	57.7	54.9
10:10 PM - 10:15 PM	59.4	57.9	12:50 AM - 12:55 AM	54.7	53.8	03:30 AM - 03:35 AM	56.9	55.1
10:15 PM - 10:20 PM	58.9	57.9	12:55 AM - 01:00 AM	55.0	53.7	03:35 AM - 03:40 AM	57.2	55.0
10:20 PM - 10:25 PM	58.5	57.8	01:00 AM - 01:05 AM	55.1	53.8	03:40 AM - 03:45 AM	58.0	55.3
10:25 PM - 10:30 PM	58.5	57.4	01:05 AM - 01:10 AM	55.3	53.6	03:45 AM - 03:50 AM	59.1	55.6
10:30 PM - 10:35 PM	58.4	57.2	01:10 AM - 01:15 AM	54.5	53.6	03:50 AM - 03:55 AM	60.6	56.7
10:35 PM - 10:40 PM	58.5	57.6	01:15 AM - 01:20 AM	54.8	53.7	03:55 AM - 04:00 AM	61.3	57.6
10:40 PM - 10:45 PM	58.6	57.5	01:20 AM - 01:25 AM	54.2	53.7	04:00 AM - 04:05 AM	61.5	57.9
10:45 PM - 10:50 PM	58.2	56.6	01:25 AM - 01:30 AM	53.9	53.5	04:05 AM - 04:10 AM	61.2	58.6
10:50 PM - 10:55 PM	56.1	55.4	01:30 AM - 01:35 AM	54.1	53.7	04:10 AM - 04:15 AM	62.0	59.9
10:55 PM - 11:00 PM	55.9	55.4	01:35 AM - 01:40 AM	54.1	53.6	04:15 AM - 04:20 AM	61.2	59.1
11:00 PM - 11:05 PM	55.3	54.6	01:40 AM - 01:45 AM	54.0	53.6	04:20 AM - 04:25 AM	61.6	59.3
11:05 PM - 11:10 PM	54.7	54.3	01:45 AM - 01:50 AM	54.1	53.7	04:25 AM - 04:30 AM	63.5	61.5
11:10 PM - 11:15 PM	54.4	54.0	01:50 AM - 01:55 AM	54.2	53.8	04:30 AM - 04:35 AM	66.3	63.9
11:15 PM - 11:20 PM	54.3	53.9	01:55 AM - 02:00 AM	54.4	53.9	04:35 AM - 04:40 AM	66.7	64.8
11:20 PM - 11:25 PM	54.2	53.8	02:00 AM - 02:05 AM	54.3	53.8	04:40 AM - 04:45 AM	63.9	61.2
11:25 PM - 11:30 PM	54.0	53.5	02:05 AM - 02:10 AM	54.2	53.8	04:45 AM - 04:50 AM	61.4	57.7
11:30 PM - 11:35 PM	53.9	53.6	02:10 AM - 02:15 AM	54.3	53.9	04:50 AM - 04:55 AM	57.2	54.8
11:35 PM - 11:40 PM	54.3	53.8	02:15 AM - 02:20 AM	55.1	53.9	04:55 AM - 05:00 AM	55.9	54.6

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439577-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-6
Parameter Noise Level (Leq 5 min)
Location ริมรั้วด้านทิศใต้ของโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 22 - Oct 23, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)
05:00 AM - 05:05 AM	56.8	54.8	07:40 AM - 07:45 AM	57.6	57.0	10:20 AM - 10:25 AM	57.1	56.4
05:05 AM - 05:10 AM	56.1	55.4	07:45 AM - 07:50 AM	57.4	56.8	10:25 AM - 10:30 AM	57.4	56.4
05:10 AM - 05:15 AM	57.1	55.5	07:50 AM - 07:55 AM	57.7	57.1	10:30 AM - 10:35 AM	57.1	56.3
05:15 AM - 05:20 AM	56.7	55.5	07:55 AM - 08:00 AM	57.8	57.1	10:35 AM - 10:40 AM	57.3	56.5
05:20 AM - 05:25 AM	59.5	56.8	08:00 AM - 08:05 AM	57.5	56.5	10:40 AM - 10:45 AM	57.2	56.6
05:25 AM - 05:30 AM	58.2	55.7	08:05 AM - 08:10 AM	58.3	57.2	10:45 AM - 10:50 AM	57.5	56.6
05:30 AM - 05:35 AM	60.1	56.2	08:10 AM - 08:15 AM	57.3	56.5	10:50 AM - 10:55 AM	58.1	57.2
05:35 AM - 05:40 AM	60.5	56.2	08:15 AM - 08:20 AM	57.2	56.5	10:55 AM - 11:00 AM	57.7	57.0
05:40 AM - 05:45 AM	59.4	56.6	08:20 AM - 08:25 AM	57.1	56.5	11:00 AM - 11:05 AM	57.8	56.8
05:45 AM - 05:50 AM	57.5	55.9	08:25 AM - 08:30 AM	57.0	56.4	11:05 AM - 11:10 AM	57.9	57.0
05:50 AM - 05:55 AM	58.0	55.9	08:30 AM - 08:35 AM	57.1	56.3	11:10 AM - 11:15 AM	57.5	56.6
05:55 AM - 06:00 AM	57.9	56.1	08:35 AM - 08:40 AM	57.1	56.4	11:15 AM - 11:20 AM	57.0	56.4
06:00 AM - 06:05 AM	57.5	56.0	08:40 AM - 08:45 AM	57.3	56.7	11:20 AM - 11:25 AM	57.7	57.0
06:05 AM - 06:10 AM	57.4	56.0	08:45 AM - 08:50 AM	56.8	56.2	11:25 AM - 11:30 AM	58.2	56.9
06:10 AM - 06:15 AM	58.0	56.0	08:50 AM - 08:55 AM	57.3	56.7	11:30 AM - 11:35 AM	57.6	56.7
06:15 AM - 06:20 AM	57.5	55.8	08:55 AM - 09:00 AM	57.3	56.6	11:35 AM - 11:40 AM	58.2	57.1
06:20 AM - 06:25 AM	58.1	56.7	09:00 AM - 09:05 AM	57.3	56.4	11:40 AM - 11:45 AM	57.6	56.9
06:25 AM - 06:30 AM	57.1	55.9	09:05 AM - 09:10 AM	57.3	56.6	11:45 AM - 11:50 AM	57.7	56.5
06:30 AM - 06:35 AM	57.4	56.3	09:10 AM - 09:15 AM	57.3	56.7	11:50 AM - 11:55 AM	58.6	57.2
06:35 AM - 06:40 AM	57.4	56.3	09:15 AM - 09:20 AM	57.6	56.8	11:55 AM - 12:00 PM	57.8	56.8
06:40 AM - 06:45 AM	57.7	56.2	09:20 AM - 09:25 AM	57.7	56.9	12:00 PM - 12:05 PM	57.5	56.6
06:45 AM - 06:50 AM	57.5	56.8	09:25 AM - 09:30 AM	58.0	57.1	12:05 PM - 12:10 PM	57.3	56.6
06:50 AM - 06:55 AM	56.9	56.4	09:30 AM - 09:35 AM	57.8	57.1	12:10 PM - 12:15 PM	57.4	56.6
06:55 AM - 07:00 AM	56.8	56.1	09:35 AM - 09:40 AM	58.0	57.2	12:15 PM - 12:20 PM	57.9	57.0
07:00 AM - 07:05 AM	57.1	56.5	09:40 AM - 09:45 AM	58.8	57.1	12:20 PM - 12:25 PM	57.7	56.8
07:05 AM - 07:10 AM	60.8	57.9	09:45 AM - 09:50 AM	57.6	56.8	12:25 PM - 12:30 PM	57.5	56.7
07:10 AM - 07:15 AM	61.0	59.8	09:50 AM - 09:55 AM	58.7	57.0	12:30 PM - 12:35 PM	57.5	56.5
07:15 AM - 07:20 AM	61.0	59.9	09:55 AM - 10:00 AM	57.7	56.9	12:35 PM - 12:40 PM	57.6	56.8
07:20 AM - 07:25 AM	59.5	58.3	10:00 AM - 10:05 AM	57.5	56.7	12:40 PM - 12:45 PM	58.0	56.9
07:25 AM - 07:30 AM	58.8	58.0	10:05 AM - 10:10 AM	57.5	56.7	12:45 PM - 12:50 PM	57.3	56.5
07:30 AM - 07:35 AM	59.0	58.2	10:10 AM - 10:15 AM	57.5	56.8	12:50 PM - 12:55 PM	57.8	56.9
07:35 AM - 07:40 AM	59.2	58.0	10:15 AM - 10:20 AM	57.1	56.5	12:55 PM - 01:00 PM	58.1	57.1

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Sarayuth Jittranont
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439578-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-7
Parameter Noise Level (Leq 5 min)
Location ริมรั้วด้านทิศใต้ของโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 23 - Oct 24, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)
01:00 PM - 01:05 PM	57.5	56.9	03:40 PM - 03:45 PM	59.5	57.5	06:20 PM - 06:25 PM	56.6	56.1
01:05 PM - 01:10 PM	57.9	57.0	03:45 PM - 03:50 PM	62.7	58.0	06:25 PM - 06:30 PM	57.4	56.2
01:10 PM - 01:15 PM	57.6	56.9	03:50 PM - 03:55 PM	66.9	65.5	06:30 PM - 06:35 PM	56.5	55.8
01:15 PM - 01:20 PM	57.7	57.0	03:55 PM - 04:00 PM	66.9	65.4	06:35 PM - 06:40 PM	56.6	55.7
01:20 PM - 01:25 PM	57.9	57.0	04:00 PM - 04:05 PM	67.0	65.5	06:40 PM - 06:45 PM	56.0	55.3
01:25 PM - 01:30 PM	57.5	56.8	04:05 PM - 04:10 PM	66.6	65.2	06:45 PM - 06:50 PM	56.3	55.5
01:30 PM - 01:35 PM	57.9	57.1	04:10 PM - 04:15 PM	67.3	66.0	06:50 PM - 06:55 PM	55.9	55.3
01:35 PM - 01:40 PM	58.2	57.0	04:15 PM - 04:20 PM	65.7	64.6	06:55 PM - 07:00 PM	55.9	55.2
01:40 PM - 01:45 PM	57.8	57.0	04:20 PM - 04:25 PM	64.2	62.8	07:00 PM - 07:05 PM	56.9	56.0
01:45 PM - 01:50 PM	57.8	56.9	04:25 PM - 04:30 PM	62.3	61.0	07:05 PM - 07:10 PM	56.8	56.0
01:50 PM - 01:55 PM	57.9	57.1	04:30 PM - 04:35 PM	60.8	60.0	07:10 PM - 07:15 PM	56.3	55.9
01:55 PM - 02:00 PM	57.8	56.9	04:35 PM - 04:40 PM	59.9	59.2	07:15 PM - 07:20 PM	56.8	56.3
02:00 PM - 02:05 PM	57.7	57.0	04:40 PM - 04:45 PM	59.8	59.0	07:20 PM - 07:25 PM	56.5	55.9
02:05 PM - 02:10 PM	57.4	56.7	04:45 PM - 04:50 PM	59.0	58.3	07:25 PM - 07:30 PM	56.8	56.0
02:10 PM - 02:15 PM	57.9	57.2	04:50 PM - 04:55 PM	58.1	57.6	07:30 PM - 07:35 PM	57.5	57.0
02:15 PM - 02:20 PM	58.1	57.3	04:55 PM - 05:00 PM	57.4	56.3	07:35 PM - 07:40 PM	58.0	57.4
02:20 PM - 02:25 PM	57.6	56.9	05:00 PM - 05:05 PM	56.5	56.0	07:40 PM - 07:45 PM	57.6	57.1
02:25 PM - 02:30 PM	57.9	56.9	05:05 PM - 05:10 PM	56.4	55.9	07:45 PM - 07:50 PM	58.0	57.2
02:30 PM - 02:35 PM	58.3	57.2	05:10 PM - 05:15 PM	56.4	55.9	07:50 PM - 07:55 PM	59.1	57.1
02:35 PM - 02:40 PM	58.0	56.5	05:15 PM - 05:20 PM	56.5	55.8	07:55 PM - 08:00 PM	56.2	55.7
02:40 PM - 02:45 PM	58.0	56.5	05:20 PM - 05:25 PM	56.4	55.9	08:00 PM - 08:05 PM	56.0	55.4
02:45 PM - 02:50 PM	57.6	56.4	05:25 PM - 05:30 PM	56.4	55.9	08:05 PM - 08:10 PM	56.2	55.6
02:50 PM - 02:55 PM	57.8	56.8	05:30 PM - 05:35 PM	56.4	55.8	08:10 PM - 08:15 PM	56.1	55.4
02:55 PM - 03:00 PM	57.3	56.5	05:35 PM - 05:40 PM	56.2	55.8	08:15 PM - 08:20 PM	56.1	55.3
03:00 PM - 03:05 PM	57.2	56.3	05:40 PM - 05:45 PM	56.4	55.9	08:20 PM - 08:25 PM	55.9	55.4
03:05 PM - 03:10 PM	57.5	56.2	05:45 PM - 05:50 PM	56.6	56.1	08:25 PM - 08:30 PM	55.9	55.4
03:10 PM - 03:15 PM	57.3	56.3	05:50 PM - 05:55 PM	56.7	56.0	08:30 PM - 08:35 PM	55.9	55.3
03:15 PM - 03:20 PM	57.6	56.6	05:55 PM - 06:00 PM	56.4	55.9	08:35 PM - 08:40 PM	55.8	55.3
03:20 PM - 03:25 PM	57.4	56.3	06:00 PM - 06:05 PM	56.5	56.0	08:40 PM - 08:45 PM	56.0	55.4
03:25 PM - 03:30 PM	57.6	56.7	06:05 PM - 06:10 PM	56.4	55.9	08:45 PM - 08:50 PM	55.9	55.4
03:30 PM - 03:35 PM	58.5	56.8	06:10 PM - 06:15 PM	56.3	55.7	08:50 PM - 08:55 PM	55.8	55.3
03:35 PM - 03:40 PM	58.4	57.5	06:15 PM - 06:20 PM	56.9	56.1	08:55 PM - 09:00 PM	56.0	55.3

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439578-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-7
Parameter Noise Level (Leq 5 min)
Location วัดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 23 - Oct 24, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 23 - Oct 24, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 24, 2025 Time	Leq dB(A)	L90 dB(A)
09:00 PM - 09:05 PM	56.0	55.4	11:40 PM - 11:45 PM	53.8	53.4	02:20 AM - 02:25 AM	54.5	53.8
09:05 PM - 09:10 PM	55.9	55.3	11:45 PM - 11:50 PM	53.8	53.5	02:25 AM - 02:30 AM	54.2	53.8
09:10 PM - 09:15 PM	55.8	55.2	11:50 PM - 11:55 PM	54.1	53.5	02:30 AM - 02:35 AM	54.2	53.8
09:15 PM - 09:20 PM	55.7	55.1	11:55 PM - 12:00 AM	53.8	53.4	02:35 AM - 02:40 AM	54.8	53.9
09:20 PM - 09:25 PM	55.8	55.3	12:00 AM - 12:05 AM	53.9	53.5	02:40 AM - 02:45 AM	54.6	54.0
09:25 PM - 09:30 PM	55.7	55.2	12:05 AM - 12:10 AM	53.9	53.5	02:45 AM - 02:50 AM	54.3	53.9
09:30 PM - 09:35 PM	55.3	54.7	12:10 AM - 12:15 AM	53.9	53.5	02:50 AM - 02:55 AM	54.4	53.9
09:35 PM - 09:40 PM	54.9	54.4	12:15 AM - 12:20 AM	53.7	53.3	02:55 AM - 03:00 AM	54.3	53.8
09:40 PM - 09:45 PM	54.9	54.3	12:20 AM - 12:25 AM	53.5	53.1	03:00 AM - 03:05 AM	55.7	54.2
09:45 PM - 09:50 PM	54.9	54.4	12:25 AM - 12:30 AM	53.6	53.2	03:05 AM - 03:10 AM	54.6	54.1
09:50 PM - 09:55 PM	55.4	54.9	12:30 AM - 12:35 AM	53.6	53.3	03:10 AM - 03:15 AM	54.7	54.3
09:55 PM - 10:00 PM	55.4	54.7	12:35 AM - 12:40 AM	53.6	53.3	03:15 AM - 03:20 AM	54.7	54.2
10:00 PM - 10:05 PM	55.2	54.6	12:40 AM - 12:45 AM	53.6	53.2	03:20 AM - 03:25 AM	54.7	54.2
10:05 PM - 10:10 PM	55.9	55.3	12:45 AM - 12:50 AM	53.5	53.1	03:25 AM - 03:30 AM	54.9	54.3
10:10 PM - 10:15 PM	59.1	56.8	12:50 AM - 12:55 AM	54.6	53.7	03:30 AM - 03:35 AM	56.3	54.6
10:15 PM - 10:20 PM	56.2	54.8	12:55 AM - 01:00 AM	53.8	53.4	03:35 AM - 03:40 AM	56.3	54.5
10:20 PM - 10:25 PM	55.4	54.9	01:00 AM - 01:05 AM	53.8	53.4	03:40 AM - 03:45 AM	56.7	54.9
10:25 PM - 10:30 PM	55.0	54.5	01:05 AM - 01:10 AM	53.8	53.4	03:45 AM - 03:50 AM	57.5	55.6
10:30 PM - 10:35 PM	54.6	54.0	01:10 AM - 01:15 AM	53.7	53.3	03:50 AM - 03:55 AM	58.7	56.7
10:35 PM - 10:40 PM	54.4	54.0	01:15 AM - 01:20 AM	53.6	53.2	03:55 AM - 04:00 AM	58.4	56.8
10:40 PM - 10:45 PM	55.4	54.1	01:20 AM - 01:25 AM	53.6	53.2	04:00 AM - 04:05 AM	59.0	57.2
10:45 PM - 10:50 PM	54.3	53.9	01:25 AM - 01:30 AM	53.7	53.3	04:05 AM - 04:10 AM	59.9	57.3
10:50 PM - 10:55 PM	54.2	53.8	01:30 AM - 01:35 AM	53.7	53.3	04:10 AM - 04:15 AM	61.4	58.9
10:55 PM - 11:00 PM	54.3	53.8	01:35 AM - 01:40 AM	53.6	53.2	04:15 AM - 04:20 AM	61.1	59.0
11:00 PM - 11:05 PM	54.2	53.8	01:40 AM - 01:45 AM	53.7	53.3	04:20 AM - 04:25 AM	61.4	59.5
11:05 PM - 11:10 PM	54.0	53.6	01:45 AM - 01:50 AM	53.8	53.4	04:25 AM - 04:30 AM	63.4	61.4
11:10 PM - 11:15 PM	53.9	53.5	01:50 AM - 01:55 AM	54.1	53.5	04:30 AM - 04:35 AM	65.8	63.4
11:15 PM - 11:20 PM	54.0	53.5	01:55 AM - 02:00 AM	53.7	53.3	04:35 AM - 04:40 AM	67.1	64.7
11:20 PM - 11:25 PM	54.0	53.5	02:00 AM - 02:05 AM	53.9	53.5	04:40 AM - 04:45 AM	63.4	60.4
11:25 PM - 11:30 PM	53.6	53.2	02:05 AM - 02:10 AM	53.9	53.5	04:45 AM - 04:50 AM	60.5	57.0
11:30 PM - 11:35 PM	53.6	53.2	02:10 AM - 02:15 AM	53.9	53.4	04:50 AM - 04:55 AM	57.1	54.6
11:35 PM - 11:40 PM	53.6	53.2	02:15 AM - 02:20 AM	54.5	53.7	04:55 AM - 05:00 AM	56.2	54.2

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Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439578-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-7
Parameter Noise Level (Leq 5 min)
Location วัดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 0671368, 1576143)
Measurement Date Oct 23 - Oct 24, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572563

Oct 24, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 24, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 24, 2025 Time	Leq dB(A)	L90 dB(A)
05:00 AM - 05:05 AM	56.1	54.2	07:40 AM - 07:45 AM	58.5	57.3	10:20 AM - 10:25 AM	58.6	56.8
05:05 AM - 05:10 AM	56.5	55.2	07:45 AM - 07:50 AM	58.4	57.4	10:25 AM - 10:30 AM	58.6	57.3
05:10 AM - 05:15 AM	56.7	55.4	07:50 AM - 07:55 AM	58.7	57.6	10:30 AM - 10:35 AM	58.1	57.0
05:15 AM - 05:20 AM	57.6	55.5	07:55 AM - 08:00 AM	58.4	57.6	10:35 AM - 10:40 AM	57.5	56.7
05:20 AM - 05:25 AM	57.1	55.7	08:00 AM - 08:05 AM	57.7	56.9	10:40 AM - 10:45 AM	56.7	56.2
05:25 AM - 05:30 AM	60.0	56.2	08:05 AM - 08:10 AM	57.8	57.0	10:45 AM - 10:50 AM	56.9	56.1
05:30 AM - 05:35 AM	61.5	56.6	08:10 AM - 08:15 AM	57.5	56.8	10:50 AM - 10:55 AM	57.3	56.6
05:35 AM - 05:40 AM	59.1	55.9	08:15 AM - 08:20 AM	57.5	56.8	10:55 AM - 11:00 AM	58.2	57.5
05:40 AM - 05:45 AM	59.7	57.0	08:20 AM - 08:25 AM	57.9	57.0	11:00 AM - 11:05 AM	58.2	57.7
05:45 AM - 05:50 AM	59.4	56.2	08:25 AM - 08:30 AM	57.6	56.9	11:05 AM - 11:10 AM	57.8	57.3
05:50 AM - 05:55 AM	58.7	56.2	08:30 AM - 08:35 AM	57.5	56.9	11:10 AM - 11:15 AM	57.1	56.7
05:55 AM - 06:00 AM	58.3	56.1	08:35 AM - 08:40 AM	57.9	56.9	11:15 AM - 11:20 AM	57.6	56.6
06:00 AM - 06:05 AM	57.4	56.0	08:40 AM - 08:45 AM	58.1	56.9	11:20 AM - 11:25 AM	57.0	56.6
06:05 AM - 06:10 AM	57.5	56.1	08:45 AM - 08:50 AM	57.8	56.9	11:25 AM - 11:30 AM	57.2	56.7
06:10 AM - 06:15 AM	57.2	55.8	08:50 AM - 08:55 AM	58.9	57.1	11:30 AM - 11:35 AM	57.2	56.5
06:15 AM - 06:20 AM	57.6	56.0	08:55 AM - 09:00 AM	58.1	57.1	11:35 AM - 11:40 AM	58.4	56.9
06:20 AM - 06:25 AM	58.3	56.7	09:00 AM - 09:05 AM	58.2	57.3	11:40 AM - 11:45 AM	57.8	56.7
06:25 AM - 06:30 AM	57.5	56.6	09:05 AM - 09:10 AM	58.4	57.0	11:45 AM - 11:50 AM	57.2	56.2
06:30 AM - 06:35 AM	57.7	56.9	09:10 AM - 09:15 AM	58.0	57.3	11:50 AM - 11:55 AM	57.7	56.9
06:35 AM - 06:40 AM	57.3	56.7	09:15 AM - 09:20 AM	57.7	57.2	11:55 AM - 12:00 PM	57.6	56.9
06:40 AM - 06:45 AM	57.8	56.9	09:20 AM - 09:25 AM	57.9	56.9	12:00 PM - 12:05 PM	57.5	56.5
06:45 AM - 06:50 AM	58.3	57.1	09:25 AM - 09:30 AM	58.3	57.0	12:05 PM - 12:10 PM	57.8	56.6
06:50 AM - 06:55 AM	58.3	56.9	09:30 AM - 09:35 AM	59.2	57.0	12:10 PM - 12:15 PM	58.3	56.7
06:55 AM - 07:00 AM	58.3	57.2	09:35 AM - 09:40 AM	58.6	57.1	12:15 PM - 12:20 PM	58.0	56.8
07:00 AM - 07:05 AM	58.3	57.2	09:40 AM - 09:45 AM	59.4	57.1	12:20 PM - 12:25 PM	57.4	56.6
07:05 AM - 07:10 AM	60.4	58.1	09:45 AM - 09:50 AM	59.9	57.0	12:25 PM - 12:30 PM	58.3	57.1
07:10 AM - 07:15 AM	60.9	59.9	09:50 AM - 09:55 AM	58.8	57.4	12:30 PM - 12:35 PM	58.3	57.2
07:15 AM - 07:20 AM	61.5	60.1	09:55 AM - 10:00 AM	59.3	57.6	12:35 PM - 12:40 PM	58.3	57.5
07:20 AM - 07:25 AM	60.4	59.4	10:00 AM - 10:05 AM	59.0	57.7	12:40 PM - 12:45 PM	59.7	58.9
07:25 AM - 07:30 AM	59.1	58.3	10:05 AM - 10:10 AM	59.4	57.8	12:45 PM - 12:50 PM	60.1	59.1
07:30 AM - 07:35 AM	60.0	58.8	10:10 AM - 10:15 AM	59.5	57.6	12:50 PM - 12:55 PM	58.7	54.2
07:35 AM - 07:40 AM	59.3	58.3	10:15 AM - 10:20 AM	58.7	57.4	12:55 PM - 01:00 PM	60.3	55.6

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439579-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-8
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ด้านหน้าหมอน (GPS 47P 0670718, 1575775)
Measurement Date Oct 17 - Oct 18, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 17, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 17, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 17, 2025 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	54.4	47.6	04:40 PM - 04:45 PM	43.9	40.7	07:20 PM - 07:25 PM	49.6	47.9
02:05 PM - 02:10 PM	53.2	49.2	04:45 PM - 04:50 PM	44.7	42.1	07:25 PM - 07:30 PM	53.2	48.2
02:10 PM - 02:15 PM	51.2	47.5	04:50 PM - 04:55 PM	46.2	41.4	07:30 PM - 07:35 PM	49.5	46.4
02:15 PM - 02:20 PM	48.8	45.4	04:55 PM - 05:00 PM	45.4	42.3	07:35 PM - 07:40 PM	48.8	45.9
02:20 PM - 02:25 PM	51.8	43.2	05:00 PM - 05:05 PM	44.7	41.6	07:40 PM - 07:45 PM	49.5	47.1
02:25 PM - 02:30 PM	51.5	42.6	05:05 PM - 05:10 PM	47.3	42.3	07:45 PM - 07:50 PM	59.3	46.8
02:30 PM - 02:35 PM	53.0	42.1	05:10 PM - 05:15 PM	50.9	48.2	07:50 PM - 07:55 PM	58.8	47.1
02:35 PM - 02:40 PM	46.1	42.1	05:15 PM - 05:20 PM	49.7	47.8	07:55 PM - 08:00 PM	60.4	49.5
02:40 PM - 02:45 PM	46.3	42.1	05:20 PM - 05:25 PM	44.3	41.1	08:00 PM - 08:05 PM	56.3	49.2
02:45 PM - 02:50 PM	45.2	40.7	05:25 PM - 05:30 PM	46.1	42.0	08:05 PM - 08:10 PM	57.3	48.5
02:50 PM - 02:55 PM	50.6	47.9	05:30 PM - 05:35 PM	48.6	42.3	08:10 PM - 08:15 PM	52.4	47.7
02:55 PM - 03:00 PM	55.6	54.5	05:35 PM - 05:40 PM	58.6	40.5	08:15 PM - 08:20 PM	52.0	48.2
03:00 PM - 03:05 PM	47.5	42.0	05:40 PM - 05:45 PM	52.1	42.4	08:20 PM - 08:25 PM	52.3	49.6
03:05 PM - 03:10 PM	46.9	42.1	05:45 PM - 05:50 PM	50.4	43.2	08:25 PM - 08:30 PM	53.3	50.8
03:10 PM - 03:15 PM	46.4	41.2	05:50 PM - 05:55 PM	47.4	41.7	08:30 PM - 08:35 PM	50.8	47.0
03:15 PM - 03:20 PM	49.5	41.8	05:55 PM - 06:00 PM	56.7	43.5	08:35 PM - 08:40 PM	48.7	46.1
03:20 PM - 03:25 PM	52.2	42.7	06:00 PM - 06:05 PM	59.6	49.9	08:40 PM - 08:45 PM	52.9	48.6
03:25 PM - 03:30 PM	51.4	41.8	06:05 PM - 06:10 PM	64.0	56.3	08:45 PM - 08:50 PM	51.3	47.3
03:30 PM - 03:35 PM	46.5	41.5	06:10 PM - 06:15 PM	65.0	53.9	08:50 PM - 08:55 PM	51.7	47.0
03:35 PM - 03:40 PM	43.4	40.5	06:15 PM - 06:20 PM	69.4	63.2	08:55 PM - 09:00 PM	54.6	47.6
03:40 PM - 03:45 PM	46.0	41.5	06:20 PM - 06:25 PM	65.8	60.9	09:00 PM - 09:05 PM	56.6	50.1
03:45 PM - 03:50 PM	47.0	41.0	06:25 PM - 06:30 PM	62.9	60.2	09:05 PM - 09:10 PM	57.9	49.1
03:50 PM - 03:55 PM	57.9	42.4	06:30 PM - 06:35 PM	59.8	57.8	09:10 PM - 09:15 PM	52.3	48.3
03:55 PM - 04:00 PM	46.4	41.5	06:35 PM - 06:40 PM	58.9	57.3	09:15 PM - 09:20 PM	58.3	47.2
04:00 PM - 04:05 PM	45.5	41.3	06:40 PM - 06:45 PM	56.5	53.7	09:20 PM - 09:25 PM	50.5	44.9
04:05 PM - 04:10 PM	51.9	42.8	06:45 PM - 06:50 PM	53.4	50.6	09:25 PM - 09:30 PM	51.0	45.8
04:10 PM - 04:15 PM	44.2	41.8	06:50 PM - 06:55 PM	52.6	49.5	09:30 PM - 09:35 PM	53.2	47.8
04:15 PM - 04:20 PM	50.1	44.7	06:55 PM - 07:00 PM	53.4	49.9	09:35 PM - 09:40 PM	50.5	46.2
04:20 PM - 04:25 PM	47.6	43.1	07:00 PM - 07:05 PM	56.1	51.0	09:40 PM - 09:45 PM	49.4	46.0
04:25 PM - 04:30 PM	50.1	48.2	07:05 PM - 07:10 PM	53.4	49.9	09:45 PM - 09:50 PM	50.6	45.9
04:30 PM - 04:35 PM	51.5	48.3	07:10 PM - 07:15 PM	51.7	49.4	09:50 PM - 09:55 PM	54.2	47.8
04:35 PM - 04:40 PM	52.3	44.5	07:15 PM - 07:20 PM	53.0	48.4	09:55 PM - 10:00 PM	50.6	48.3

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439579-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-8
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ด้านหน้าหมอน (GPS 47P 0670718, 1575775)
Measurement Date Oct 17 - Oct 18, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 17 - Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)
10:00 PM - 10:05 PM	53.9	48.3	12:40 AM - 12:45 AM	50.1	47.6	03:20 AM - 03:25 AM	56.1	52.1
10:05 PM - 10:10 PM	53.6	49.1	12:45 AM - 12:50 AM	49.0	47.3	03:25 AM - 03:30 AM	51.6	49.4
10:10 PM - 10:15 PM	52.0	48.1	12:50 AM - 12:55 AM	50.9	47.0	03:30 AM - 03:35 AM	48.6	46.7
10:15 PM - 10:20 PM	51.5	49.2	12:55 AM - 01:00 AM	52.1	46.7	03:35 AM - 03:40 AM	47.4	44.8
10:20 PM - 10:25 PM	49.4	48.1	01:00 AM - 01:05 AM	50.2	46.4	03:40 AM - 03:45 AM	47.7	43.5
10:25 PM - 10:30 PM	51.2	48.2	01:05 AM - 01:10 AM	49.3	47.5	03:45 AM - 03:50 AM	45.4	43.5
10:30 PM - 10:35 PM	54.2	49.2	01:10 AM - 01:15 AM	48.4	47.2	03:50 AM - 03:55 AM	44.9	44.1
10:35 PM - 10:40 PM	49.2	48.0	01:15 AM - 01:20 AM	47.6	46.3	03:55 AM - 04:00 AM	44.6	44.0
10:40 PM - 10:45 PM	49.1	47.8	01:20 AM - 01:25 AM	49.0	46.8	04:00 AM - 04:05 AM	45.5	44.4
10:45 PM - 10:50 PM	49.8	47.9	01:25 AM - 01:30 AM	48.2	46.8	04:05 AM - 04:10 AM	49.2	44.2
10:50 PM - 10:55 PM	49.1	47.7	01:30 AM - 01:35 AM	48.3	46.8	04:10 AM - 04:15 AM	44.2	43.5
10:55 PM - 11:00 PM	50.8	47.9	01:35 AM - 01:40 AM	50.0	47.0	04:15 AM - 04:20 AM	45.4	43.3
11:00 PM - 11:05 PM	50.0	47.3	01:40 AM - 01:45 AM	47.4	46.3	04:20 AM - 04:25 AM	59.7	42.8
11:05 PM - 11:10 PM	50.4	47.5	01:45 AM - 01:50 AM	48.3	46.2	04:25 AM - 04:30 AM	43.7	42.6
11:10 PM - 11:15 PM	48.7	47.3	01:50 AM - 01:55 AM	47.4	45.5	04:30 AM - 04:35 AM	44.2	43.0
11:15 PM - 11:20 PM	49.4	48.1	01:55 AM - 02:00 AM	46.2	44.9	04:35 AM - 04:40 AM	56.9	42.9
11:20 PM - 11:25 PM	51.8	50.6	02:00 AM - 02:05 AM	45.8	45.0	04:40 AM - 04:45 AM	44.4	43.3
11:25 PM - 11:30 PM	51.5	50.1	02:05 AM - 02:10 AM	45.7	45.0	04:45 AM - 04:50 AM	42.1	40.8
11:30 PM - 11:35 PM	56.3	50.2	02:10 AM - 02:15 AM	46.2	44.8	04:50 AM - 04:55 AM	42.1	40.9
11:35 PM - 11:40 PM	51.7	48.8	02:15 AM - 02:20 AM	47.7	45.3	04:55 AM - 05:00 AM	41.4	40.6
11:40 PM - 11:45 PM	51.5	48.8	02:20 AM - 02:25 AM	49.7	46.5	05:00 AM - 05:05 AM	42.9	40.7
11:45 PM - 11:50 PM	51.4	48.3	02:25 AM - 02:30 AM	53.0	46.7	05:05 AM - 05:10 AM	46.2	41.2
11:50 PM - 11:55 PM	49.1	47.5	02:30 AM - 02:35 AM	48.3	46.6	05:10 AM - 05:15 AM	43.1	40.0
11:55 PM - 12:00 AM	50.6	47.5	02:35 AM - 02:40 AM	46.6	45.7	05:15 AM - 05:20 AM	41.4	39.9
12:00 AM - 12:05 AM	48.3	47.4	02:40 AM - 02:45 AM	47.7	46.3	05:20 AM - 05:25 AM	41.7	40.7
12:05 AM - 12:10 AM	48.7	47.9	02:45 AM - 02:50 AM	46.6	45.7	05:25 AM - 05:30 AM	44.3	41.1
12:10 AM - 12:15 AM	48.1	47.5	02:50 AM - 02:55 AM	56.7	49.0	05:30 AM - 05:35 AM	44.4	41.4
12:15 AM - 12:20 AM	48.7	47.5	02:55 AM - 03:00 AM	64.6	58.9	05:35 AM - 05:40 AM	43.2	41.8
12:20 AM - 12:25 AM	50.1	47.6	03:00 AM - 03:05 AM	61.6	55.1	05:40 AM - 05:45 AM	43.2	42.1
12:25 AM - 12:30 AM	48.2	47.3	03:05 AM - 03:10 AM	55.6	52.0	05:45 AM - 05:50 AM	43.3	41.8
12:30 AM - 12:35 AM	48.2	47.1	03:10 AM - 03:15 AM	52.7	50.1	05:50 AM - 05:55 AM	45.0	42.6
12:35 AM - 12:40 AM	48.9	47.2	03:15 AM - 03:20 AM	54.2	51.8	05:55 AM - 06:00 AM	46.8	43.6

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439579-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-8
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 0670718, 1575775)
Measurement Date Oct 17 - Oct 18, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	44.8	43.0	08:40 AM - 08:45 AM	45.9	43.7	11:20 AM - 11:25 AM	50.6	48.5
06:05 AM - 06:10 AM	46.0	43.6	08:45 AM - 08:50 AM	54.0	47.2	11:25 AM - 11:30 AM	59.9	51.9
06:10 AM - 06:15 AM	46.1	43.6	08:50 AM - 08:55 AM	61.8	56.7	11:30 AM - 11:35 AM	64.7	58.3
06:15 AM - 06:20 AM	45.9	43.8	08:55 AM - 09:00 AM	55.2	52.0	11:35 AM - 11:40 AM	56.1	51.9
06:20 AM - 06:25 AM	45.0	43.1	09:00 AM - 09:05 AM	51.7	49.5	11:40 AM - 11:45 AM	55.5	50.5
06:25 AM - 06:30 AM	46.2	43.3	09:05 AM - 09:10 AM	57.7	47.4	11:45 AM - 11:50 AM	68.1	51.8
06:30 AM - 06:35 AM	45.8	43.7	09:10 AM - 09:15 AM	49.1	46.9	11:50 AM - 11:55 AM	60.1	56.2
06:35 AM - 06:40 AM	45.2	44.0	09:15 AM - 09:20 AM	52.7	48.2	11:55 AM - 12:00 PM	54.7	51.3
06:40 AM - 06:45 AM	48.9	45.8	09:20 AM - 09:25 AM	51.2	47.7	12:00 PM - 12:05 PM	53.7	49.6
06:45 AM - 06:50 AM	57.4	49.2	09:25 AM - 09:30 AM	51.8	48.0	12:05 PM - 12:10 PM	53.4	48.8
06:50 AM - 06:55 AM	63.8	60.4	09:30 AM - 09:35 AM	50.0	47.6	12:10 PM - 12:15 PM	55.1	50.0
06:55 AM - 07:00 AM	55.6	51.7	09:35 AM - 09:40 AM	53.3	49.7	12:15 PM - 12:20 PM	52.6	50.0
07:00 AM - 07:05 AM	50.9	48.7	09:40 AM - 09:45 AM	59.3	55.1	12:20 PM - 12:25 PM	53.4	49.1
07:05 AM - 07:10 AM	49.5	47.0	09:45 AM - 09:50 AM	58.2	53.5	12:25 PM - 12:30 PM	54.9	49.3
07:10 AM - 07:15 AM	50.5	48.6	09:50 AM - 09:55 AM	54.2	51.4	12:30 PM - 12:35 PM	61.2	48.1
07:15 AM - 07:20 AM	50.7	46.3	09:55 AM - 10:00 AM	61.0	49.9	12:35 PM - 12:40 PM	58.5	48.6
07:20 AM - 07:25 AM	46.9	45.3	10:00 AM - 10:05 AM	54.2	50.3	12:40 PM - 12:45 PM	61.6	48.7
07:25 AM - 07:30 AM	48.8	45.8	10:05 AM - 10:10 AM	55.3	50.8	12:45 PM - 12:50 PM	55.8	47.0
07:30 AM - 07:35 AM	48.7	44.9	10:10 AM - 10:15 AM	58.7	52.1	12:50 PM - 12:55 PM	51.7	46.8
07:35 AM - 07:40 AM	45.7	44.0	10:15 AM - 10:20 AM	63.8	56.8	12:55 PM - 01:00 PM	48.9	46.9
07:40 AM - 07:45 AM	48.5	44.4	10:20 AM - 10:25 AM	60.3	56.1	01:00 PM - 01:05 PM	50.1	47.5
07:45 AM - 07:50 AM	49.5	44.5	10:25 AM - 10:30 AM	56.2	52.8	01:05 PM - 01:10 PM	49.8	46.2
07:50 AM - 07:55 AM	51.2	44.3	10:30 AM - 10:35 AM	53.3	50.2	01:10 PM - 01:15 PM	50.6	46.1
07:55 AM - 08:00 AM	46.6	44.2	10:35 AM - 10:40 AM	58.9	53.5	01:15 PM - 01:20 PM	51.2	44.8
08:00 AM - 08:05 AM	47.7	43.9	10:40 AM - 10:45 AM	58.9	54.3	01:20 PM - 01:25 PM	53.8	46.3
08:05 AM - 08:10 AM	45.2	43.5	10:45 AM - 10:50 AM	56.3	52.2	01:25 PM - 01:30 PM	50.6	46.0
08:10 AM - 08:15 AM	46.4	43.4	10:50 AM - 10:55 AM	55.9	50.4	01:30 PM - 01:35 PM	55.8	46.1
08:15 AM - 08:20 AM	48.7	44.4	10:55 AM - 11:00 AM	52.4	50.2	01:35 PM - 01:40 PM	50.6	45.6
08:20 AM - 08:25 AM	49.5	44.9	11:00 AM - 11:05 AM	51.7	49.1	01:40 PM - 01:45 PM	47.6	44.4
08:25 AM - 08:30 AM	47.0	44.2	11:05 AM - 11:10 AM	59.6	52.8	01:45 PM - 01:50 PM	47.9	44.4
08:30 AM - 08:35 AM	45.9	43.9	11:10 AM - 11:15 AM	60.0	54.6	01:50 PM - 01:55 PM	55.6	45.9
08:35 AM - 08:40 AM	46.8	43.9	11:15 AM - 11:20 AM	54.4	50.9	01:55 PM - 02:00 PM	54.7	45.3

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439580-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-9
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 0670718, 1575775)
Measurement Date Oct 18 - Oct 19, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	46.4	42.9	04:40 PM - 04:45 PM	50.2	44.2	07:20 PM - 07:25 PM	56.3	46.2
02:05 PM - 02:10 PM	46.6	44.0	04:45 PM - 04:50 PM	52.7	47.2	07:25 PM - 07:30 PM	46.6	42.3
02:10 PM - 02:15 PM	47.3	44.2	04:50 PM - 04:55 PM	58.6	47.1	07:30 PM - 07:35 PM	47.1	42.2
02:15 PM - 02:20 PM	47.6	44.3	04:55 PM - 05:00 PM	55.3	46.2	07:35 PM - 07:40 PM	50.3	43.2
02:20 PM - 02:25 PM	47.4	44.1	05:00 PM - 05:05 PM	61.0	51.1	07:40 PM - 07:45 PM	50.9	44.5
02:25 PM - 02:30 PM	51.5	43.8	05:05 PM - 05:10 PM	58.0	51.0	07:45 PM - 07:50 PM	49.3	43.4
02:30 PM - 02:35 PM	58.9	43.4	05:10 PM - 05:15 PM	49.8	46.7	07:50 PM - 07:55 PM	48.1	42.2
02:35 PM - 02:40 PM	56.6	43.7	05:15 PM - 05:20 PM	50.7	47.2	07:55 PM - 08:00 PM	46.5	42.4
02:40 PM - 02:45 PM	50.1	43.4	05:20 PM - 05:25 PM	48.9	44.0	08:00 PM - 08:05 PM	49.3	43.8
02:45 PM - 02:50 PM	57.1	46.1	05:25 PM - 05:30 PM	45.8	42.7	08:05 PM - 08:10 PM	52.4	46.8
02:50 PM - 02:55 PM	55.9	45.2	05:30 PM - 05:35 PM	46.7	43.6	08:10 PM - 08:15 PM	54.2	43.0
02:55 PM - 03:00 PM	52.7	42.8	05:35 PM - 05:40 PM	46.8	43.6	08:15 PM - 08:20 PM	63.9	43.3
03:00 PM - 03:05 PM	53.8	43.9	05:40 PM - 05:45 PM	46.1	43.6	08:20 PM - 08:25 PM	52.5	43.1
03:05 PM - 03:10 PM	49.0	42.9	05:45 PM - 05:50 PM	50.1	43.5	08:25 PM - 08:30 PM	51.6	45.1
03:10 PM - 03:15 PM	55.6	43.7	05:50 PM - 05:55 PM	47.9	43.1	08:30 PM - 08:35 PM	51.5	45.4
03:15 PM - 03:20 PM	55.7	46.2	05:55 PM - 06:00 PM	47.3	43.6	08:35 PM - 08:40 PM	52.7	45.4
03:20 PM - 03:25 PM	63.8	58.2	06:00 PM - 06:05 PM	52.3	43.2	08:40 PM - 08:45 PM	53.1	45.4
03:25 PM - 03:30 PM	53.2	50.6	06:05 PM - 06:10 PM	57.8	45.9	08:45 PM - 08:50 PM	53.8	43.8
03:30 PM - 03:35 PM	50.7	44.7	06:10 PM - 06:15 PM	55.5	45.0	08:50 PM - 08:55 PM	63.6	46.3
03:35 PM - 03:40 PM	49.3	44.1	06:15 PM - 06:20 PM	55.0	43.9	08:55 PM - 09:00 PM	52.9	45.7
03:40 PM - 03:45 PM	56.1	44.4	06:20 PM - 06:25 PM	49.1	44.7	09:00 PM - 09:05 PM	53.5	45.8
03:45 PM - 03:50 PM	50.9	43.9	06:25 PM - 06:30 PM	53.4	47.1	09:05 PM - 09:10 PM	54.1	46.0
03:50 PM - 03:55 PM	54.8	42.8	06:30 PM - 06:35 PM	55.0	45.1	09:10 PM - 09:15 PM	50.1	45.7
03:55 PM - 04:00 PM	54.8	42.9	06:35 PM - 06:40 PM	48.4	42.5	09:15 PM - 09:20 PM	49.6	45.2
04:00 PM - 04:05 PM	45.6	42.9	06:40 PM - 06:45 PM	44.5	40.6	09:20 PM - 09:25 PM	55.3	47.3
04:05 PM - 04:10 PM	46.6	43.6	06:45 PM - 06:50 PM	45.5	40.3	09:25 PM - 09:30 PM	57.8	51.1
04:10 PM - 04:15 PM	50.9	43.6	06:50 PM - 06:55 PM	46.0	41.3	09:30 PM - 09:35 PM	51.4	47.0
04:15 PM - 04:20 PM	55.0	47.8	06:55 PM - 07:00 PM	52.2	43.2	09:35 PM - 09:40 PM	50.3	44.0
04:20 PM - 04:25 PM	55.7	44.9	07:00 PM - 07:05 PM	50.4	43.9	09:40 PM - 09:45 PM	47.9	43.2
04:25 PM - 04:30 PM	50.0	43.1	07:05 PM - 07:10 PM	57.2	42.2	09:45 PM - 09:50 PM	46.9	43.8
04:30 PM - 04:35 PM	55.0	44.7	07:10 PM - 07:15 PM	62.9	42.4	09:50 PM - 09:55 PM	54.5	44.0
04:35 PM - 04:40 PM	49.4	44.6	07:15 PM - 07:20 PM	51.0	44.1	09:55 PM - 10:00 PM	48.4	43.7

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Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439580-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-9
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 0670718, 1575775)
Measurement Date Oct 18 - Oct 19, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 18 - Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)
10:00 PM - 10:05 PM	50.0	43.9	12:40 AM - 12:45 AM	48.7	43.0	03:20 AM - 03:25 AM	55.3	47.7
10:05 PM - 10:10 PM	47.3	44.1	12:45 AM - 12:50 AM	48.1	44.9	03:25 AM - 03:30 AM	46.1	44.0
10:10 PM - 10:15 PM	48.1	44.2	12:50 AM - 12:55 AM	46.7	43.0	03:30 AM - 03:35 AM	43.8	40.8
10:15 PM - 10:20 PM	48.2	42.6	12:55 AM - 01:00 AM	47.2	43.7	03:35 AM - 03:40 AM	41.5	39.5
10:20 PM - 10:25 PM	46.7	42.9	01:00 AM - 01:05 AM	44.9	42.6	03:40 AM - 03:45 AM	47.6	46.0
10:25 PM - 10:30 PM	47.3	44.1	01:05 AM - 01:10 AM	43.4	41.6	03:45 AM - 03:50 AM	48.3	46.5
10:30 PM - 10:35 PM	48.7	45.6	01:10 AM - 01:15 AM	44.2	42.1	03:50 AM - 03:55 AM	46.8	42.7
10:35 PM - 10:40 PM	48.9	46.2	01:15 AM - 01:20 AM	43.7	42.6	03:55 AM - 04:00 AM	59.9	40.2
10:40 PM - 10:45 PM	49.3	45.3	01:20 AM - 01:25 AM	53.0	43.0	04:00 AM - 04:05 AM	61.7	39.2
10:45 PM - 10:50 PM	46.4	44.4	01:25 AM - 01:30 AM	44.7	41.8	04:05 AM - 04:10 AM	44.5	38.1
10:50 PM - 10:55 PM	48.9	45.0	01:30 AM - 01:35 AM	43.5	41.8	04:10 AM - 04:15 AM	41.1	38.2
10:55 PM - 11:00 PM	49.4	43.9	01:35 AM - 01:40 AM	43.3	40.5	04:15 AM - 04:20 AM	38.7	38.1
11:00 PM - 11:05 PM	46.0	43.0	01:40 AM - 01:45 AM	45.5	40.4	04:20 AM - 04:25 AM	43.0	38.7
11:05 PM - 11:10 PM	45.1	42.9	01:45 AM - 01:50 AM	42.1	40.7	04:25 AM - 04:30 AM	41.6	38.6
11:10 PM - 11:15 PM	44.3	42.6	01:50 AM - 01:55 AM	41.5	41.0	04:30 AM - 04:35 AM	41.1	38.9
11:15 PM - 11:20 PM	44.5	42.0	01:55 AM - 02:00 AM	44.4	41.0	04:35 AM - 04:40 AM	45.3	38.8
11:20 PM - 11:25 PM	46.5	42.0	02:00 AM - 02:05 AM	43.6	41.3	04:40 AM - 04:45 AM	41.9	38.9
11:25 PM - 11:30 PM	45.7	42.5	02:05 AM - 02:10 AM	42.1	41.0	04:45 AM - 04:50 AM	39.5	38.7
11:30 PM - 11:35 PM	43.5	41.7	02:10 AM - 02:15 AM	41.2	40.6	04:50 AM - 04:55 AM	44.1	39.1
11:35 PM - 11:40 PM	42.8	41.1	02:15 AM - 02:20 AM	41.1	40.5	04:55 AM - 05:00 AM	41.6	39.8
11:40 PM - 11:45 PM	44.2	41.2	02:20 AM - 02:25 AM	44.1	40.6	05:00 AM - 05:05 AM	44.1	40.4
11:45 PM - 11:50 PM	44.4	41.3	02:25 AM - 02:30 AM	47.4	40.8	05:05 AM - 05:10 AM	41.1	39.2
11:50 PM - 11:55 PM	42.3	41.1	02:30 AM - 02:35 AM	42.7	40.5	05:10 AM - 05:15 AM	46.0	40.2
11:55 PM - 12:00 AM	43.4	41.9	02:35 AM - 02:40 AM	42.5	40.5	05:15 AM - 05:20 AM	43.6	41.7
12:00 AM - 12:05 AM	48.3	42.1	02:40 AM - 02:45 AM	42.2	40.7	05:20 AM - 05:25 AM	51.3	42.7
12:05 AM - 12:10 AM	43.4	41.1	02:45 AM - 02:50 AM	43.9	40.9	05:25 AM - 05:30 AM	48.3	43.4
12:10 AM - 12:15 AM	47.2	41.8	02:50 AM - 02:55 AM	42.2	40.6	05:30 AM - 05:35 AM	43.6	41.1
12:15 AM - 12:20 AM	45.4	42.2	02:55 AM - 03:00 AM	43.7	40.9	05:35 AM - 05:40 AM	51.6	45.2
12:20 AM - 12:25 AM	52.2	42.3	03:00 AM - 03:05 AM	43.6	41.9	05:40 AM - 05:45 AM	47.5	42.4
12:25 AM - 12:30 AM	52.4	42.1	03:05 AM - 03:10 AM	43.7	42.6	05:45 AM - 05:50 AM	43.5	40.6
12:30 AM - 12:35 AM	51.8	44.0	03:10 AM - 03:15 AM	48.1	44.5	05:50 AM - 05:55 AM	44.2	41.5
12:35 AM - 12:40 AM	44.7	42.5	03:15 AM - 03:20 AM	62.0	52.7	05:55 AM - 06:00 AM	44.5	41.3

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Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439580-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-9
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 0670718, 1575775)
Measurement Date Oct 18 - Oct 19, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	45.3	42.1	08:40 AM - 08:45 AM	56.3	47.1	11:20 AM - 11:25 AM	55.1	51.0
06:05 AM - 06:10 AM	45.5	42.3	08:45 AM - 08:50 AM	55.1	47.0	11:25 AM - 11:30 AM	58.6	49.4
06:10 AM - 06:15 AM	58.1	42.5	08:50 AM - 08:55 AM	54.3	46.8	11:30 AM - 11:35 AM	57.3	48.6
06:15 AM - 06:20 AM	47.8	43.1	08:55 AM - 09:00 AM	58.2	48.3	11:35 AM - 11:40 AM	50.3	47.6
06:20 AM - 06:25 AM	47.0	44.1	09:00 AM - 09:05 AM	49.8	46.0	11:40 AM - 11:45 AM	57.4	47.9
06:25 AM - 06:30 AM	47.7	44.2	09:05 AM - 09:10 AM	48.3	45.5	11:45 AM - 11:50 AM	53.1	46.7
06:30 AM - 06:35 AM	45.8	43.5	09:10 AM - 09:15 AM	66.4	46.4	11:50 AM - 11:55 AM	51.9	48.1
06:35 AM - 06:40 AM	48.8	43.9	09:15 AM - 09:20 AM	53.0	46.3	11:55 AM - 12:00 PM	51.0	46.8
06:40 AM - 06:45 AM	45.8	43.5	09:20 AM - 09:25 AM	51.2	46.6	12:00 PM - 12:05 PM	48.5	45.4
06:45 AM - 06:50 AM	47.7	44.7	09:25 AM - 09:30 AM	52.5	47.5	12:05 PM - 12:10 PM	50.4	46.2
06:50 AM - 06:55 AM	48.8	44.6	09:30 AM - 09:35 AM	52.5	48.6	12:10 PM - 12:15 PM	49.4	45.8
06:55 AM - 07:00 AM	51.1	45.5	09:35 AM - 09:40 AM	51.3	47.8	12:15 PM - 12:20 PM	49.3	45.5
07:00 AM - 07:05 AM	46.6	44.4	09:40 AM - 09:45 AM	54.5	48.8	12:20 PM - 12:25 PM	48.6	44.8
07:05 AM - 07:10 AM	48.6	44.8	09:45 AM - 09:50 AM	60.5	48.2	12:25 PM - 12:30 PM	47.9	44.2
07:10 AM - 07:15 AM	46.3	44.3	09:50 AM - 09:55 AM	59.7	47.2	12:30 PM - 12:35 PM	49.8	45.4
07:15 AM - 07:20 AM	45.9	44.1	09:55 AM - 10:00 AM	57.1	47.1	12:35 PM - 12:40 PM	61.2	47.9
07:20 AM - 07:25 AM	46.8	44.5	10:00 AM - 10:05 AM	63.5	47.3	12:40 PM - 12:45 PM	61.1	54.9
07:25 AM - 07:30 AM	47.3	44.8	10:05 AM - 10:10 AM	55.8	48.1	12:45 PM - 12:50 PM	58.0	54.8
07:30 AM - 07:35 AM	49.3	44.6	10:10 AM - 10:15 AM	52.0	47.1	12:50 PM - 12:55 PM	57.1	49.9
07:35 AM - 07:40 AM	46.6	44.5	10:15 AM - 10:20 AM	51.4	46.9	12:55 PM - 01:00 PM	56.6	51.0
07:40 AM - 07:45 AM	45.8	44.0	10:20 AM - 10:25 AM	51.7	46.5	01:00 PM - 01:05 PM	57.6	52.7
07:45 AM - 07:50 AM	47.6	44.5	10:25 AM - 10:30 AM	51.9	45.9	01:05 PM - 01:10 PM	58.0	52.1
07:50 AM - 07:55 AM	46.4	45.0	10:30 AM - 10:35 AM	52.9	46.5	01:10 PM - 01:15 PM	51.8	49.0
07:55 AM - 08:00 AM	50.4	46.1	10:35 AM - 10:40 AM	53.8	46.7	01:15 PM - 01:20 PM	52.0	48.3
08:00 AM - 08:05 AM	64.6	56.1	10:40 AM - 10:45 AM	60.5	49.3	01:20 PM - 01:25 PM	56.5	47.5
08:05 AM - 08:10 AM	63.3	60.3	10:45 AM - 10:50 AM	65.3	59.5	01:25 PM - 01:30 PM	52.7	47.1
08:10 AM - 08:15 AM	57.7	53.7	10:50 AM - 10:55 AM	58.0	55.5	01:30 PM - 01:35 PM	52.9	46.8
08:15 AM - 08:20 AM	55.1	50.1	10:55 AM - 11:00 AM	54.3	51.1	01:35 PM - 01:40 PM	53.4	46.5
08:20 AM - 08:25 AM	54.5	50.4	11:00 AM - 11:05 AM	52.6	49.9	01:40 PM - 01:45 PM	54.5	46.1
08:25 AM - 08:30 AM	52.0	49.3	11:05 AM - 11:10 AM	52.3	49.8	01:45 PM - 01:50 PM	51.0	44.3
08:30 AM - 08:35 AM	49.4	47.5	11:10 AM - 11:15 AM	58.1	51.6	01:50 PM - 01:55 PM	47.0	43.8
08:35 AM - 08:40 AM	51.2	47.2	11:15 AM - 11:20 AM	59.6	54.6	01:55 PM - 02:00 PM	51.3	44.5

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Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439581-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-10
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ตำบลบ้านแลง (GPS 47P 0670718, 1575775)
Measurement Date Oct 19 - Oct 20, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	64.0	45.1	04:40 PM - 04:45 PM	46.2	42.2	07:20 PM - 07:25 PM	46.9	43.8
02:05 PM - 02:10 PM	50.1	44.2	04:45 PM - 04:50 PM	48.7	41.9	07:25 PM - 07:30 PM	58.3	42.8
02:10 PM - 02:15 PM	47.3	44.2	04:50 PM - 04:55 PM	51.1	44.9	07:30 PM - 07:35 PM	66.9	42.3
02:15 PM - 02:20 PM	49.2	43.5	04:55 PM - 05:00 PM	50.1	42.5	07:35 PM - 07:40 PM	52.4	43.8
02:20 PM - 02:25 PM	48.1	42.4	05:00 PM - 05:05 PM	50.5	41.8	07:40 PM - 07:45 PM	55.4	44.8
02:25 PM - 02:30 PM	46.3	41.8	05:05 PM - 05:10 PM	53.7	45.4	07:45 PM - 07:50 PM	57.6	44.4
02:30 PM - 02:35 PM	47.6	42.6	05:10 PM - 05:15 PM	52.5	42.1	07:50 PM - 07:55 PM	56.8	44.9
02:35 PM - 02:40 PM	49.3	42.8	05:15 PM - 05:20 PM	50.2	44.0	07:55 PM - 08:00 PM	49.7	43.6
02:40 PM - 02:45 PM	47.7	42.4	05:20 PM - 05:25 PM	44.8	41.5	08:00 PM - 08:05 PM	53.2	45.6
02:45 PM - 02:50 PM	46.7	42.0	05:25 PM - 05:30 PM	44.8	41.6	08:05 PM - 08:10 PM	51.0	43.3
02:50 PM - 02:55 PM	51.7	43.4	05:30 PM - 05:35 PM	52.8	42.5	08:10 PM - 08:15 PM	49.1	43.0
02:55 PM - 03:00 PM	48.5	42.5	05:35 PM - 05:40 PM	48.0	41.9	08:15 PM - 08:20 PM	48.7	42.3
03:00 PM - 03:05 PM	45.4	41.5	05:40 PM - 05:45 PM	47.7	40.4	08:20 PM - 08:25 PM	49.2	43.4
03:05 PM - 03:10 PM	46.3	40.9	05:45 PM - 05:50 PM	54.6	40.6	08:25 PM - 08:30 PM	56.2	48.1
03:10 PM - 03:15 PM	47.6	40.1	05:50 PM - 05:55 PM	52.9	42.8	08:30 PM - 08:35 PM	56.4	44.8
03:15 PM - 03:20 PM	47.9	41.2	05:55 PM - 06:00 PM	48.2	42.0	08:35 PM - 08:40 PM	55.4	43.7
03:20 PM - 03:25 PM	47.2	41.4	06:00 PM - 06:05 PM	55.6	42.2	08:40 PM - 08:45 PM	56.7	43.9
03:25 PM - 03:30 PM	48.6	40.6	06:05 PM - 06:10 PM	55.2	44.9	08:45 PM - 08:50 PM	58.2	45.8
03:30 PM - 03:35 PM	51.4	41.8	06:10 PM - 06:15 PM	55.3	44.0	08:50 PM - 08:55 PM	56.7	47.9
03:35 PM - 03:40 PM	55.7	44.5	06:15 PM - 06:20 PM	54.3	42.0	08:55 PM - 09:00 PM	55.8	46.4
03:40 PM - 03:45 PM	51.4	47.5	06:20 PM - 06:25 PM	52.3	42.5	09:00 PM - 09:05 PM	52.4	45.1
03:45 PM - 03:50 PM	62.7	46.9	06:25 PM - 06:30 PM	55.9	44.5	09:05 PM - 09:10 PM	49.0	45.5
03:50 PM - 03:55 PM	50.8	43.3	06:30 PM - 06:35 PM	56.6	47.6	09:10 PM - 09:15 PM	49.0	45.2
03:55 PM - 04:00 PM	48.2	43.0	06:35 PM - 06:40 PM	57.5	45.0	09:15 PM - 09:20 PM	49.2	45.8
04:00 PM - 04:05 PM	53.0	47.1	06:40 PM - 06:45 PM	46.5	43.6	09:20 PM - 09:25 PM	50.4	45.5
04:05 PM - 04:10 PM	60.9	53.5	06:45 PM - 06:50 PM	52.6	48.7	09:25 PM - 09:30 PM	54.4	46.6
04:10 PM - 04:15 PM	51.1	45.3	06:50 PM - 06:55 PM	49.8	44.3	09:30 PM - 09:35 PM	53.8	47.8
04:15 PM - 04:20 PM	45.4	42.9	06:55 PM - 07:00 PM	54.4	43.8	09:35 PM - 09:40 PM	49.6	46.7
04:20 PM - 04:25 PM	50.0	43.9	07:00 PM - 07:05 PM	50.9	43.5	09:40 PM - 09:45 PM	60.2	47.3
04:25 PM - 04:30 PM	47.8	43.1	07:05 PM - 07:10 PM	47.9	43.2	09:45 PM - 09:50 PM	51.3	45.7
04:30 PM - 04:35 PM	53.1	44.0	07:10 PM - 07:15 PM	60.0	44.4	09:50 PM - 09:55 PM	48.5	45.8
04:35 PM - 04:40 PM	54.4	42.7	07:15 PM - 07:20 PM	50.3	44.5	09:55 PM - 10:00 PM	53.2	48.2

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439581-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-10
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ตำบลบ้านแลง (GPS 47P 0670718, 1575775)
Measurement Date Oct 19 - Oct 20, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 19 - Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)
10:00 PM - 10:05 PM	48.5	46.3	12:40 AM - 12:45 AM	50.0	47.5	03:20 AM - 03:25 AM	45.4	43.1
10:05 PM - 10:10 PM	48.4	45.5	12:45 AM - 12:50 AM	48.9	45.7	03:25 AM - 03:30 AM	48.1	43.4
10:10 PM - 10:15 PM	48.1	46.1	12:50 AM - 12:55 AM	48.7	45.5	03:30 AM - 03:35 AM	44.0	43.1
10:15 PM - 10:20 PM	63.2	46.5	12:55 AM - 01:00 AM	49.8	45.5	03:35 AM - 03:40 AM	43.8	42.9
10:20 PM - 10:25 PM	51.8	46.9	01:00 AM - 01:05 AM	56.9	45.2	03:40 AM - 03:45 AM	43.4	41.5
10:25 PM - 10:30 PM	46.9	45.1	01:05 AM - 01:10 AM	46.2	44.7	03:45 AM - 03:50 AM	42.3	41.3
10:30 PM - 10:35 PM	49.2	46.2	01:10 AM - 01:15 AM	69.6	45.5	03:50 AM - 03:55 AM	42.6	41.5
10:35 PM - 10:40 PM	50.2	47.5	01:15 AM - 01:20 AM	65.1	44.8	03:55 AM - 04:00 AM	42.7	41.7
10:40 PM - 10:45 PM	49.1	46.8	01:20 AM - 01:25 AM	48.5	44.9	04:00 AM - 04:05 AM	47.8	42.7
10:45 PM - 10:50 PM	49.9	46.8	01:25 AM - 01:30 AM	49.3	44.8	04:05 AM - 04:10 AM	44.1	43.2
10:50 PM - 10:55 PM	51.0	47.3	01:30 AM - 01:35 AM	45.3	43.6	04:10 AM - 04:15 AM	44.0	43.1
10:55 PM - 11:00 PM	61.9	47.8	01:35 AM - 01:40 AM	62.4	44.0	04:15 AM - 04:20 AM	44.3	43.3
11:00 PM - 11:05 PM	60.7	47.7	01:40 AM - 01:45 AM	58.9	43.5	04:20 AM - 04:25 AM	48.2	43.2
11:05 PM - 11:10 PM	48.2	46.1	01:45 AM - 01:50 AM	57.7	43.5	04:25 AM - 04:30 AM	44.8	43.3
11:10 PM - 11:15 PM	50.0	46.8	01:50 AM - 01:55 AM	60.8	44.0	04:30 AM - 04:35 AM	43.8	43.0
11:15 PM - 11:20 PM	48.7	46.6	01:55 AM - 02:00 AM	49.1	43.7	04:35 AM - 04:40 AM	43.9	43.1
11:20 PM - 11:25 PM	49.9	46.7	02:00 AM - 02:05 AM	45.3	44.0	04:40 AM - 04:45 AM	64.2	42.9
11:25 PM - 11:30 PM	51.6	46.5	02:05 AM - 02:10 AM	44.7	43.7	04:45 AM - 04:50 AM	43.9	42.9
11:30 PM - 11:35 PM	48.4	46.0	02:10 AM - 02:15 AM	44.5	43.5	04:50 AM - 04:55 AM	43.7	42.7
11:35 PM - 11:40 PM	53.5	45.8	02:15 AM - 02:20 AM	67.2	43.2	04:55 AM - 05:00 AM	43.6	42.8
11:40 PM - 11:45 PM	47.7	45.9	02:20 AM - 02:25 AM	46.1	44.2	05:00 AM - 05:05 AM	43.6	42.7
11:45 PM - 11:50 PM	48.1	46.3	02:25 AM - 02:30 AM	45.2	44.2	05:05 AM - 05:10 AM	43.1	42.2
11:50 PM - 11:55 PM	49.4	46.8	02:30 AM - 02:35 AM	59.5	43.8	05:10 AM - 05:15 AM	44.2	42.3
11:55 PM - 12:00 AM	51.8	46.8	02:35 AM - 02:40 AM	57.4	44.0	05:15 AM - 05:20 AM	46.2	43.1
12:00 AM - 12:05 AM	47.0	45.7	02:40 AM - 02:45 AM	46.1	44.0	05:20 AM - 05:25 AM	48.5	44.1
12:05 AM - 12:10 AM	47.1	45.6	02:45 AM - 02:50 AM	44.3	43.5	05:25 AM - 05:30 AM	44.8	43.6
12:10 AM - 12:15 AM	47.7	46.2	02:50 AM - 02:55 AM	44.7	43.7	05:30 AM - 05:35 AM	43.9	43.1
12:15 AM - 12:20 AM	49.4	46.8	02:55 AM - 03:00 AM	44.9	44.0	05:35 AM - 05:40 AM	44.2	43.4
12:20 AM - 12:25 AM	48.9	46.7	03:00 AM - 03:05 AM	44.4	43.6	05:40 AM - 05:45 AM	45.1	43.2
12:25 AM - 12:30 AM	48.7	46.5	03:05 AM - 03:10 AM	44.5	43.4	05:45 AM - 05:50 AM	44.3	43.0
12:30 AM - 12:35 AM	48.0	46.5	03:10 AM - 03:15 AM	48.0	44.2	05:50 AM - 05:55 AM	45.7	42.7
12:35 AM - 12:40 AM	49.5	46.5	03:15 AM - 03:20 AM	44.8	43.4	05:55 AM - 06:00 AM	45.9	43.3

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439581-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-10
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ตำบลบ้านแลง (GPS 47P 0670718, 1575775)
Measurement Date Oct 19 - Oct 20, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	44.7	42.8	08:40 AM - 08:45 AM	50.8	46.0	11:20 AM - 11:25 AM	65.4	47.3
06:05 AM - 06:10 AM	43.9	42.7	08:45 AM - 08:50 AM	61.9	58.2	11:25 AM - 11:30 AM	60.9	48.4
06:10 AM - 06:15 AM	43.9	42.9	08:50 AM - 08:55 AM	57.0	53.5	11:30 AM - 11:35 AM	51.2	48.0
06:15 AM - 06:20 AM	44.6	42.6	08:55 AM - 09:00 AM	54.1	49.7	11:35 AM - 11:40 AM	54.4	47.1
06:20 AM - 06:25 AM	44.7	42.8	09:00 AM - 09:05 AM	49.0	47.1	11:40 AM - 11:45 AM	51.9	49.7
06:25 AM - 06:30 AM	43.8	42.8	09:05 AM - 09:10 AM	50.3	47.9	11:45 AM - 11:50 AM	52.4	48.8
06:30 AM - 06:35 AM	45.2	42.9	09:10 AM - 09:15 AM	51.3	47.5	11:50 AM - 11:55 AM	51.7	46.3
06:35 AM - 06:40 AM	44.5	42.5	09:15 AM - 09:20 AM	55.9	46.7	11:55 AM - 12:00 PM	50.7	47.8
06:40 AM - 06:45 AM	51.8	46.3	09:20 AM - 09:25 AM	52.9	46.9	12:00 PM - 12:05 PM	52.0	47.2
06:45 AM - 06:50 AM	47.5	43.4	09:25 AM - 09:30 AM	53.3	47.4	12:05 PM - 12:10 PM	62.9	47.4
06:50 AM - 06:55 AM	43.0	41.9	09:30 AM - 09:35 AM	52.3	47.4	12:10 PM - 12:15 PM	64.1	46.0
06:55 AM - 07:00 AM	43.5	41.7	09:35 AM - 09:40 AM	51.4	47.8	12:15 PM - 12:20 PM	49.3	46.3
07:00 AM - 07:05 AM	50.9	42.1	09:40 AM - 09:45 AM	50.5	47.3	12:20 PM - 12:25 PM	52.3	47.0
07:05 AM - 07:10 AM	44.1	42.1	09:45 AM - 09:50 AM	51.8	48.2	12:25 PM - 12:30 PM	49.9	46.2
07:10 AM - 07:15 AM	48.1	41.8	09:50 AM - 09:55 AM	50.0	47.4	12:30 PM - 12:35 PM	48.6	44.8
07:15 AM - 07:20 AM	44.3	42.6	09:55 AM - 10:00 AM	52.2	48.1	12:35 PM - 12:40 PM	50.7	46.2
07:20 AM - 07:25 AM	44.7	42.9	10:00 AM - 10:05 AM	54.6	48.1	12:40 PM - 12:45 PM	49.0	44.7
07:25 AM - 07:30 AM	46.1	42.3	10:05 AM - 10:10 AM	53.0	47.3	12:45 PM - 12:50 PM	54.4	44.8
07:30 AM - 07:35 AM	43.9	42.5	10:10 AM - 10:15 AM	53.0	48.3	12:50 PM - 12:55 PM	49.2	44.8
07:35 AM - 07:40 AM	44.2	42.9	10:15 AM - 10:20 AM	52.6	48.2	12:55 PM - 01:00 PM	52.0	43.6
07:40 AM - 07:45 AM	44.6	42.6	10:20 AM - 10:25 AM	50.1	47.8	01:00 PM - 01:05 PM	57.1	48.6
07:45 AM - 07:50 AM	49.5	44.4	10:25 AM - 10:30 AM	51.2	47.6	01:05 PM - 01:10 PM	46.3	43.1
07:50 AM - 07:55 AM	45.8	44.1	10:30 AM - 10:35 AM	52.7	48.9	01:10 PM - 01:15 PM	47.0	43.4
07:55 AM - 08:00 AM	45.2	43.4	10:35 AM - 10:40 AM	53.6	51.1	01:15 PM - 01:20 PM	47.2	43.0
08:00 AM - 08:05 AM	45.2	43.4	10:40 AM - 10:45 AM	51.1	48.2	01:20 PM - 01:25 PM	62.5	42.8
08:05 AM - 08:10 AM	46.3	43.2	10:45 AM - 10:50 AM	49.9	48.0	01:25 PM - 01:30 PM	51.9	43.6
08:10 AM - 08:15 AM	46.7	44.2	10:50 AM - 10:55 AM	52.1	48.5	01:30 PM - 01:35 PM	46.2	41.6
08:15 AM - 08:20 AM	50.4	44.9	10:55 AM - 11:00 AM	54.0	48.2	01:35 PM - 01:40 PM	47.6	43.2
08:20 AM - 08:25 AM	48.0	44.6	11:00 AM - 11:05 AM	52.3	48.1	01:40 PM - 01:45 PM	48.8	44.7
08:25 AM - 08:30 AM	47.0	44.6	11:05 AM - 11:10 AM	51.8	48.7	01:45 PM - 01:50 PM	48.6	44.9
08:30 AM - 08:35 AM	48.8	45.6	11:10 AM - 11:15 AM	61.4	48.6	01:50 PM - 01:55 PM	58.2	46.3
08:35 AM - 08:40 AM	47.3	45.3	11:15 AM - 11:20 AM	53.8	48.7	01:55 PM - 02:00 PM	49.9	42.7

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439582-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-11
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ตำบลบ้านแลง (GPS 47P 0670718, 1575775)
Measurement Date Oct 20 - Oct 21, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	48.8	41.6	04:40 PM - 04:45 PM	48.8	41.7	07:20 PM - 07:25 PM	51.5	49.2
02:05 PM - 02:10 PM	45.1	40.8	04:45 PM - 04:50 PM	54.7	43.3	07:25 PM - 07:30 PM	52.2	48.3
02:10 PM - 02:15 PM	45.6	42.5	04:50 PM - 04:55 PM	46.2	42.3	07:30 PM - 07:35 PM	50.1	48.5
02:15 PM - 02:20 PM	45.2	41.9	04:55 PM - 05:00 PM	49.0	42.7	07:35 PM - 07:40 PM	51.0	48.9
02:20 PM - 02:25 PM	47.8	44.1	05:00 PM - 05:05 PM	49.5	42.4	07:40 PM - 07:45 PM	57.0	48.4
02:25 PM - 02:30 PM	46.8	42.5	05:05 PM - 05:10 PM	44.5	40.4	07:45 PM - 07:50 PM	58.0	47.9
02:30 PM - 02:35 PM	46.9	42.2	05:10 PM - 05:15 PM	46.7	40.9	07:50 PM - 07:55 PM	51.3	47.2
02:35 PM - 02:40 PM	55.2	42.3	05:15 PM - 05:20 PM	44.3	40.6	07:55 PM - 08:00 PM	55.1	47.3
02:40 PM - 02:45 PM	50.3	42.6	05:20 PM - 05:25 PM	42.6	40.5	08:00 PM - 08:05 PM	58.6	52.3
02:45 PM - 02:50 PM	49.6	44.6	05:25 PM - 05:30 PM	43.1	40.9	08:05 PM - 08:10 PM	59.0	49.4
02:50 PM - 02:55 PM	55.6	48.6	05:30 PM - 05:35 PM	69.1	40.8	08:10 PM - 08:15 PM	58.6	48.7
02:55 PM - 03:00 PM	51.7	42.3	05:35 PM - 05:40 PM	45.8	41.7	08:15 PM - 08:20 PM	54.6	47.5
03:00 PM - 03:05 PM	63.4	42.9	05:40 PM - 05:45 PM	45.8	41.3	08:20 PM - 08:25 PM	53.2	46.1
03:05 PM - 03:10 PM	49.7	41.4	05:45 PM - 05:50 PM	51.8	42.8	08:25 PM - 08:30 PM	53.4	45.8
03:10 PM - 03:15 PM	54.3	44.7	05:50 PM - 05:55 PM	56.1	47.4	08:30 PM - 08:35 PM	54.6	46.6
03:15 PM - 03:20 PM	49.3	42.8	05:55 PM - 06:00 PM	53.9	47.4	08:35 PM - 08:40 PM	49.4	45.3
03:20 PM - 03:25 PM	54.8	41.4	06:00 PM - 06:05 PM	59.9	54.6	08:40 PM - 08:45 PM	53.5	46.7
03:25 PM - 03:30 PM	52.6	41.7	06:05 PM - 06:10 PM	65.1	56.9	08:45 PM - 08:50 PM	54.1	46.9
03:30 PM - 03:35 PM	51.6	44.2	06:10 PM - 06:15 PM	56.9	51.2	08:50 PM - 08:55 PM	52.8	47.4
03:35 PM - 03:40 PM	60.7	44.7	06:15 PM - 06:20 PM	51.0	46.2	08:55 PM - 09:00 PM	51.2	46.2
03:40 PM - 03:45 PM	49.8	41.4	06:20 PM - 06:25 PM	48.6	45.3	09:00 PM - 09:05 PM	53.7	47.1
03:45 PM - 03:50 PM	44.4	41.0	06:25 PM - 06:30 PM	52.4	45.0	09:05 PM - 09:10 PM	51.9	47.5
03:50 PM - 03:55 PM	51.9	43.4	06:30 PM - 06:35 PM	52.4	48.8	09:10 PM - 09:15 PM	53.9	47.9
03:55 PM - 04:00 PM	49.4	44.9	06:35 PM - 06:40 PM	62.5	52.6	09:15 PM - 09:20 PM	50.2	46.9
04:00 PM - 04:05 PM	51.5	43.8	06:40 PM - 06:45 PM	60.2	51.0	09:20 PM - 09:25 PM	52.9	46.8
04:05 PM - 04:10 PM	55.2	41.3	06:45 PM - 06:50 PM	55.0	49.5	09:25 PM - 09:30 PM	52.9	47.5
04:10 PM - 04:15 PM	49.3	42.1	06:50 PM - 06:55 PM	52.5	50.7	09:30 PM - 09:35 PM	55.4	47.8
04:15 PM - 04:20 PM	53.4	44.0	06:55 PM - 07:00 PM	53.8	48.6	09:35 PM - 09:40 PM	54.5	48.2
04:20 PM - 04:25 PM	50.1	42.1	07:00 PM - 07:05 PM	55.2	48.8	09:40 PM - 09:45 PM	54.6	46.4
04:25 PM - 04:30 PM	49.4	42.2	07:05 PM - 07:10 PM	54.6	51.9	09:45 PM - 09:50 PM	50.4	46.2
04:30 PM - 04:35 PM	52.6	46.0	07:10 PM - 07:15 PM	50.4	47.7	09:50 PM - 09:55 PM	53.5	45.8
04:35 PM - 04:40 PM	48.2	42.1	07:15 PM - 07:20 PM	50.4	46.7	09:55 PM - 10:00 PM	49.6	45.5

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439582-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-11
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ตำบลบ้านผล (GPS 47P 0670718, 1575775)
Measurement Date Oct 20 - Oct 21, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 20 - Oct 21, 2025	Leq	L90	Oct 21, 2025	Leq	L90	Oct 21, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	47.1	45.2	12:40 AM - 12:45 AM	46.6	45.1	03:20 AM - 03:25 AM	42.0	40.1
10:05 PM - 10:10 PM	48.2	44.9	12:45 AM - 12:50 AM	46.5	44.9	03:25 AM - 03:30 AM	41.8	39.6
10:10 PM - 10:15 PM	49.3	45.4	12:50 AM - 12:55 AM	46.5	44.9	03:30 AM - 03:35 AM	40.1	39.4
10:15 PM - 10:20 PM	51.7	46.7	12:55 AM - 01:00 AM	49.3	44.1	03:35 AM - 03:40 AM	43.8	39.5
10:20 PM - 10:25 PM	50.7	46.2	01:00 AM - 01:05 AM	45.8	43.7	03:40 AM - 03:45 AM	40.4	39.6
10:25 PM - 10:30 PM	47.9	46.3	01:05 AM - 01:10 AM	44.8	42.8	03:45 AM - 03:50 AM	41.4	39.6
10:30 PM - 10:35 PM	50.1	47.2	01:10 AM - 01:15 AM	44.1	43.0	03:50 AM - 03:55 AM	40.7	39.8
10:35 PM - 10:40 PM	50.0	47.0	01:15 AM - 01:20 AM	46.8	43.6	03:55 AM - 04:00 AM	45.3	40.5
10:40 PM - 10:45 PM	49.2	47.3	01:20 AM - 01:25 AM	46.5	43.3	04:00 AM - 04:05 AM	44.7	40.4
10:45 PM - 10:50 PM	49.1	47.4	01:25 AM - 01:30 AM	44.3	43.1	04:05 AM - 04:10 AM	42.8	40.0
10:50 PM - 10:55 PM	50.8	47.2	01:30 AM - 01:35 AM	44.3	43.2	04:10 AM - 04:15 AM	42.1	39.7
10:55 PM - 11:00 PM	51.4	48.2	01:35 AM - 01:40 AM	45.2	42.9	04:15 AM - 04:20 AM	47.4	40.0
11:00 PM - 11:05 PM	49.3	47.3	01:40 AM - 01:45 AM	46.5	42.8	04:20 AM - 04:25 AM	42.6	39.7
11:05 PM - 11:10 PM	49.3	46.1	01:45 AM - 01:50 AM	42.7	41.9	04:25 AM - 04:30 AM	55.8	44.0
11:10 PM - 11:15 PM	52.7	45.6	01:50 AM - 01:55 AM	54.2	42.3	04:30 AM - 04:35 AM	41.0	39.2
11:15 PM - 11:20 PM	47.5	45.4	01:55 AM - 02:00 AM	42.7	41.3	04:35 AM - 04:40 AM	40.3	38.2
11:20 PM - 11:25 PM	48.2	45.9	02:00 AM - 02:05 AM	41.7	40.3	04:40 AM - 04:45 AM	61.4	38.5
11:25 PM - 11:30 PM	48.0	46.1	02:05 AM - 02:10 AM	41.6	40.5	04:45 AM - 04:50 AM	67.3	39.2
11:30 PM - 11:35 PM	49.3	45.5	02:10 AM - 02:15 AM	41.6	39.8	04:50 AM - 04:55 AM	51.6	46.5
11:35 PM - 11:40 PM	48.3	45.4	02:15 AM - 02:20 AM	40.1	38.9	04:55 AM - 05:00 AM	45.3	38.0
11:40 PM - 11:45 PM	55.7	46.0	02:20 AM - 02:25 AM	41.0	39.3	05:00 AM - 05:05 AM	39.5	37.9
11:45 PM - 11:50 PM	48.5	46.0	02:25 AM - 02:30 AM	42.3	38.5	05:05 AM - 05:10 AM	38.3	37.2
11:50 PM - 11:55 PM	47.2	45.8	02:30 AM - 02:35 AM	41.6	39.6	05:10 AM - 05:15 AM	40.8	37.6
11:55 PM - 12:00 AM	50.4	47.1	02:35 AM - 02:40 AM	40.1	39.6	05:15 AM - 05:20 AM	40.2	38.1
12:00 AM - 12:05 AM	49.6	46.5	02:40 AM - 02:45 AM	58.7	40.1	05:20 AM - 05:25 AM	42.2	37.8
12:05 AM - 12:10 AM	47.3	44.9	02:45 AM - 02:50 AM	57.9	39.2	05:25 AM - 05:30 AM	38.1	37.2
12:10 AM - 12:15 AM	51.7	44.4	02:50 AM - 02:55 AM	56.7	39.3	05:30 AM - 05:35 AM	38.0	36.7
12:15 AM - 12:20 AM	49.1	44.8	02:55 AM - 03:00 AM	45.7	40.0	05:35 AM - 05:40 AM	37.5	36.5
12:20 AM - 12:25 AM	48.1	45.4	03:00 AM - 03:05 AM	42.3	40.1	05:40 AM - 05:45 AM	37.1	36.0
12:25 AM - 12:30 AM	46.7	45.2	03:05 AM - 03:10 AM	69.1	39.9	05:45 AM - 05:50 AM	36.8	35.9
12:30 AM - 12:35 AM	46.4	45.3	03:10 AM - 03:15 AM	41.6	40.2	05:50 AM - 05:55 AM	39.5	36.2
12:35 AM - 12:40 AM	48.9	45.2	03:15 AM - 03:20 AM	41.1	39.9	05:55 AM - 06:00 AM	42.9	36.6

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439582-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-11
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ตำบลบ้านผล (GPS 47P 0670718, 1575775)
Measurement Date Oct 20 - Oct 21, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 21, 2025	Leq	L90	Oct 21, 2025	Leq	L90	Oct 21, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
06:00 AM - 06:05 AM	42.2	36.9	08:40 AM - 08:45 AM	50.1	44.0	11:20 AM - 11:25 AM	55.7	47.1
06:05 AM - 06:10 AM	63.0	37.5	08:45 AM - 08:50 AM	47.0	44.1	11:25 AM - 11:30 AM	51.7	47.7
06:10 AM - 06:15 AM	53.5	38.5	08:50 AM - 08:55 AM	48.2	43.9	11:30 AM - 11:35 AM	52.5	47.0
06:15 AM - 06:20 AM	55.2	43.0	08:55 AM - 09:00 AM	48.0	43.9	11:35 AM - 11:40 AM	49.1	45.4
06:20 AM - 06:25 AM	40.0	37.2	09:00 AM - 09:05 AM	46.1	42.8	11:40 AM - 11:45 AM	57.7	47.1
06:25 AM - 06:30 AM	39.4	36.5	09:05 AM - 09:10 AM	54.3	43.5	11:45 AM - 11:50 AM	51.3	46.7
06:30 AM - 06:35 AM	39.0	36.7	09:10 AM - 09:15 AM	51.9	44.6	11:50 AM - 11:55 AM	58.1	48.2
06:35 AM - 06:40 AM	37.1	36.1	09:15 AM - 09:20 AM	46.6	44.0	11:55 AM - 12:00 PM	51.6	47.5
06:40 AM - 06:45 AM	37.6	36.1	09:20 AM - 09:25 AM	49.0	45.5	12:00 PM - 12:05 PM	48.9	46.0
06:45 AM - 06:50 AM	37.0	36.2	09:25 AM - 09:30 AM	52.2	45.9	12:05 PM - 12:10 PM	50.7	45.7
06:50 AM - 06:55 AM	37.7	36.7	09:30 AM - 09:35 AM	53.4	45.9	12:10 PM - 12:15 PM	50.3	45.8
06:55 AM - 07:00 AM	41.7	37.5	09:35 AM - 09:40 AM	50.6	46.6	12:15 PM - 12:20 PM	54.3	44.0
07:00 AM - 07:05 AM	40.6	37.8	09:40 AM - 09:45 AM	51.8	47.9	12:20 PM - 12:25 PM	47.2	43.0
07:05 AM - 07:10 AM	40.1	37.6	09:45 AM - 09:50 AM	52.1	47.9	12:25 PM - 12:30 PM	52.7	42.9
07:10 AM - 07:15 AM	39.8	37.8	09:50 AM - 09:55 AM	50.6	47.9	12:30 PM - 12:35 PM	46.5	42.0
07:15 AM - 07:20 AM	46.9	38.2	09:55 AM - 10:00 AM	54.3	48.0	12:35 PM - 12:40 PM	46.6	43.7
07:20 AM - 07:25 AM	40.5	38.0	10:00 AM - 10:05 AM	51.2	48.5	12:40 PM - 12:45 PM	44.7	42.5
07:25 AM - 07:30 AM	49.3	37.9	10:05 AM - 10:10 AM	57.5	48.8	12:45 PM - 12:50 PM	46.8	42.9
07:30 AM - 07:35 AM	41.0	37.1	10:10 AM - 10:15 AM	51.7	47.5	12:50 PM - 12:55 PM	58.2	48.3
07:35 AM - 07:40 AM	38.3	37.3	10:15 AM - 10:20 AM	50.2	47.2	12:55 PM - 01:00 PM	51.6	42.4
07:40 AM - 07:45 AM	38.9	37.2	10:20 AM - 10:25 AM	55.9	48.6	01:00 PM - 01:05 PM	46.2	42.3
07:45 AM - 07:50 AM	42.2	38.6	10:25 AM - 10:30 AM	51.8	48.1	01:05 PM - 01:10 PM	47.3	43.4
07:50 AM - 07:55 AM	43.6	39.2	10:30 AM - 10:35 AM	61.7	47.9	01:10 PM - 01:15 PM	63.6	44.0
07:55 AM - 08:00 AM	42.1	39.6	10:35 AM - 10:40 AM	52.7	47.7	01:15 PM - 01:20 PM	64.0	42.8
08:00 AM - 08:05 AM	50.8	42.1	10:40 AM - 10:45 AM	51.3	47.7	01:20 PM - 01:25 PM	48.8	42.3
08:05 AM - 08:10 AM	47.3	42.8	10:45 AM - 10:50 AM	56.8	49.0	01:25 PM - 01:30 PM	46.3	40.9
08:10 AM - 08:15 AM	46.7	42.0	10:50 AM - 10:55 AM	52.3	48.4	01:30 PM - 01:35 PM	51.7	43.8
08:15 AM - 08:20 AM	52.1	41.4	10:55 AM - 11:00 AM	51.4	47.8	01:35 PM - 01:40 PM	48.3	42.9
08:20 AM - 08:25 AM	45.5	42.5	11:00 AM - 11:05 AM	50.6	47.7	01:40 PM - 01:45 PM	45.6	42.2
08:25 AM - 08:30 AM	46.4	43.2	11:05 AM - 11:10 AM	49.7	47.5	01:45 PM - 01:50 PM	47.5	43.5
08:30 AM - 08:35 AM	50.5	43.3	11:10 AM - 11:15 AM	50.1	47.2	01:50 PM - 01:55 PM	47.5	43.8
08:35 AM - 08:40 AM	53.5	45.7	11:15 AM - 11:20 AM	53.1	46.2	01:55 PM - 02:00 PM	54.0	44.6

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Approved by
Sarayuth Jittranont
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439583-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-12
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ตำบลบ้านผล (GPS 47P 0670718, 1575775)
Measurement Date Oct 21 - Oct 22, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 21, 2025	Leq	L90	Oct 21, 2025	Leq	L90	Oct 21, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
02:00 PM - 02:05 PM	49.3	46.9	04:40 PM - 04:45 PM	52.2	45.7	07:20 PM - 07:25 PM	55.4	48.2
02:05 PM - 02:10 PM	50.7	46.3	04:45 PM - 04:50 PM	53.1	45.0	07:25 PM - 07:30 PM	54.1	49.3
02:10 PM - 02:15 PM	49.1	46.4	04:50 PM - 04:55 PM	49.8	45.0	07:30 PM - 07:35 PM	52.1	48.0
02:15 PM - 02:20 PM	51.2	46.4	04:55 PM - 05:00 PM	52.5	45.7	07:35 PM - 07:40 PM	52.7	47.5
02:20 PM - 02:25 PM	53.7	46.5	05:00 PM - 05:05 PM	52.9	46.2	07:40 PM - 07:45 PM	50.6	46.7
02:25 PM - 02:30 PM	49.2	45.0	05:05 PM - 05:10 PM	53.1	45.8	07:45 PM - 07:50 PM	51.7	48.0
02:30 PM - 02:35 PM	48.3	45.5	05:10 PM - 05:15 PM	54.8	47.4	07:50 PM - 07:55 PM	52.8	48.6
02:35 PM - 02:40 PM	52.8	47.2	05:15 PM - 05:20 PM	51.0	46.7	07:55 PM - 08:00 PM	56.8	47.2
02:40 PM - 02:45 PM	49.8	45.3	05:20 PM - 05:25 PM	51.0	46.4	08:00 PM - 08:05 PM	53.2	50.0
02:45 PM - 02:50 PM	48.3	45.4	05:25 PM - 05:30 PM	47.3	45.4	08:05 PM - 08:10 PM	54.3	48.8
02:50 PM - 02:55 PM	50.2	44.7	05:30 PM - 05:35 PM	63.3	46.4	08:10 PM - 08:15 PM	55.9	49.4
02:55 PM - 03:00 PM	50.6	45.7	05:35 PM - 05:40 PM	55.9	46.1	08:15 PM - 08:20 PM	61.5	50.1
03:00 PM - 03:05 PM	51.1	47.0	05:40 PM - 05:45 PM	50.5	45.5	08:20 PM - 08:25 PM	58.7	50.0
03:05 PM - 03:10 PM	49.5	47.0	05:45 PM - 05:50 PM	47.6	45.0	08:25 PM - 08:30 PM	52.5	49.0
03:10 PM - 03:15 PM	59.1	45.5	05:50 PM - 05:55 PM	49.4	46.6	08:30 PM - 08:35 PM	52.4	48.3
03:15 PM - 03:20 PM	58.5	46.3	05:55 PM - 06:00 PM	48.5	45.8	08:35 PM - 08:40 PM	53.9	49.3
03:20 PM - 03:25 PM	52.0	45.2	06:00 PM - 06:05 PM	51.7	48.4	08:40 PM - 08:45 PM	57.9	49.7
03:25 PM - 03:30 PM	46.3	43.7	06:05 PM - 06:10 PM	60.6	48.7	08:45 PM - 08:50 PM	60.8	49.2
03:30 PM - 03:35 PM	46.9	43.0	06:10 PM - 06:15 PM	60.2	47.7	08:50 PM - 08:55 PM	53.4	49.4
03:35 PM - 03:40 PM	50.1	42.9	06:15 PM - 06:20 PM	55.2	49.2	08:55 PM - 09:00 PM	53.4	49.8
03:40 PM - 03:45 PM	50.6	46.6	06:20 PM - 06:25 PM	53.0	47.1	09:00 PM - 09:05 PM	52.4	48.9
03:45 PM - 03:50 PM	59.1	56.8	06:25 PM - 06:30 PM	59.1	48.1	09:05 PM - 09:10 PM	53.5	48.7
03:50 PM - 03:55 PM	55.9	47.8	06:30 PM - 06:35 PM	51.4	46.6	09:10 PM - 09:15 PM	50.2	48.1
03:55 PM - 04:00 PM	53.7	45.0	06:35 PM - 06:40 PM	54.3	48.0	09:15 PM - 09:20 PM	55.5	48.4
04:00 PM - 04:05 PM	57.1	51.2	06:40 PM - 06:45 PM	52.1	47.9	09:20 PM - 09:25 PM	60.6	50.9
04:05 PM - 04:10 PM	55.4	44.3	06:45 PM - 06:50 PM	53.5	47.9	09:25 PM - 09:30 PM	54.7	48.4
04:10 PM - 04:15 PM	52.6	43.9	06:50 PM - 06:55 PM	52.8	47.5	09:30 PM - 09:35 PM	52.3	48.5
04:15 PM - 04:20 PM	57.3	45.1	06:55 PM - 07:00 PM	55.8	47.6	09:35 PM - 09:40 PM	63.0	47.5
04:20 PM - 04:25 PM	54.7	46.4	07:00 PM - 07:05 PM	55.5	47.4	09:40 PM - 09:45 PM	51.4	47.7
04:25 PM - 04:30 PM	56.6	47.6	07:05 PM - 07:10 PM	54.1	47.7	09:45 PM - 09:50 PM	51.8	48.7
04:30 PM - 04:35 PM	56.4	48.0	07:10 PM - 07:15 PM	52.9	47.6	09:50 PM - 09:55 PM	50.3	47.8
04:35 PM - 04:40 PM	54.6	46.8	07:15 PM - 07:20 PM	50.7	46.6	09:55 PM - 10:00 PM	56.0	48.0

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Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439583-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-12
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ตำบลบ้านผล (GPS 47P 0670718, 1575775)
Measurement Date Oct 21 - Oct 22, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 21 - Oct 22, 2025	Leq	L90	Oct 22, 2025	Leq	L90	Oct 22, 2025	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
10:00 PM - 10:05 PM	50.8	48.8	12:40 AM - 12:45 AM	51.6	47.6	03:20 AM - 03:25 AM	47.8	45.5
10:05 PM - 10:10 PM	51.3	48.0	12:45 AM - 12:50 AM	60.9	47.2	03:25 AM - 03:30 AM	55.0	45.9
10:10 PM - 10:15 PM	51.9	48.4	12:50 AM - 12:55 AM	51.3	46.4	03:30 AM - 03:35 AM	46.5	45.5
10:15 PM - 10:20 PM	52.0	48.9	12:55 AM - 01:00 AM	49.1	46.3	03:35 AM - 03:40 AM	46.5	45.3
10:20 PM - 10:25 PM	51.8	48.3	01:00 AM - 01:05 AM	49.2	46.7	03:40 AM - 03:45 AM	46.2	45.0
10:25 PM - 10:30 PM	50.1	48.4	01:05 AM - 01:10 AM	49.6	46.8	03:45 AM - 03:50 AM	45.7	44.7
10:30 PM - 10:35 PM	51.2	49.2	01:10 AM - 01:15 AM	49.5	47.3	03:50 AM - 03:55 AM	46.3	45.1
10:35 PM - 10:40 PM	50.1	48.6	01:15 AM - 01:20 AM	51.2	47.3	03:55 AM - 04:00 AM	48.2	44.3
10:40 PM - 10:45 PM	51.1	49.1	01:20 AM - 01:25 AM	49.6	47.0	04:00 AM - 04:05 AM	45.9	44.7
10:45 PM - 10:50 PM	49.7	48.0	01:25 AM - 01:30 AM	48.2	46.7	04:05 AM - 04:10 AM	46.6	45.2
10:50 PM - 10:55 PM	50.4	48.0	01:30 AM - 01:35 AM	48.1	46.7	04:10 AM - 04:15 AM	61.1	44.8
10:55 PM - 11:00 PM	49.5	47.6	01:35 AM - 01:40 AM	50.1	46.3	04:15 AM - 04:20 AM	61.5	45.0
11:00 PM - 11:05 PM	49.0	47.3	01:40 AM - 01:45 AM	47.1	46.0	04:20 AM - 04:25 AM	46.4	45.3
11:05 PM - 11:10 PM	49.8	47.8	01:45 AM - 01:50 AM	46.6	45.5	04:25 AM - 04:30 AM	47.8	45.6
11:10 PM - 11:15 PM	57.1	47.6	01:50 AM - 01:55 AM	52.9	45.6	04:30 AM - 04:35 AM	66.4	45.3
11:15 PM - 11:20 PM	49.3	47.4	01:55 AM - 02:00 AM	69.2	45.5	04:35 AM - 04:40 AM	64.0	46.1
11:20 PM - 11:25 PM	50.9	48.8	02:00 AM - 02:05 AM	47.4	46.0	04:40 AM - 04:45 AM	59.0	45.7
11:25 PM - 11:30 PM	52.0	49.8	02:05 AM - 02:10 AM	58.3	46.1	04:45 AM - 04:50 AM	52.3	45.8
11:30 PM - 11:35 PM	51.4	48.7	02:10 AM - 02:15 AM	50.7	47.6	04:50 AM - 04:55 AM	47.5	45.2
11:35 PM - 11:40 PM	50.0	47.7	02:15 AM - 02:20 AM	48.0	46.7	04:55 AM - 05:00 AM	46.1	44.9
11:40 PM - 11:45 PM	53.5	47.9	02:20 AM - 02:25 AM	47.2	45.8	05:00 AM - 05:05 AM	63.6	45.0
11:45 PM - 11:50 PM	50.2	48.0	02:25 AM - 02:30 AM	47.5	46.5	05:05 AM - 05:10 AM	46.1	44.9
11:50 PM - 11:55 PM	52.6	48.6	02:30 AM - 02:35 AM	48.8	47.0	05:10 AM - 05:15 AM	46.0	44.8
11:55 PM - 12:00 AM	62.7	48.4	02:35 AM - 02:40 AM	49.1	46.3	05:15 AM - 05:20 AM	45.9	44.7
12:00 AM - 12:05 AM	53.1	48.8	02:40 AM - 02:45 AM	47.3	45.9	05:20 AM - 05:25 AM	45.7	44.5
12:05 AM - 12:10 AM	50.0	48.5	02:45 AM - 02:50 AM	48.5	45.9	05:25 AM - 05:30 AM	45.6	44.4
12:10 AM - 12:15 AM	54.7	48.8	02:50 AM - 02:55 AM	47.6	46.2	05:30 AM - 05:35 AM	47.1	44.7
12:15 AM - 12:20 AM	51.2	49.4	02:55 AM - 03:00 AM	47.8	46.4	05:35 AM - 05:40 AM	45.6	44.4
12:20 AM - 12:25 AM	54.1	50.4	03:00 AM - 03:05 AM	47.3	45.8	05:40 AM - 05:45 AM	45.4	44.1
12:25 AM - 12:30 AM	51.4	49.1	03:05 AM - 03:10 AM	49.5	46.1	05:45 AM - 05:50 AM	45.4	44.4
12:30 AM - 12:35 AM	50.6	47.7	03:10 AM - 03:15 AM	55.0	47.8	05:50 AM - 05:55 AM	58.8	43.8
12:35 AM - 12:40 AM	50.2	47.9	03:15 AM - 03:20 AM	48.2	46.4	05:55 AM - 06:00 AM	46.3	43.8

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Sarayuth Jittranont
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439583-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-12
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 0670718, 1575775)
Measurement Date Oct 21 - Oct 22, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	45.4	43.9	08:40 AM - 08:45 AM	52.3	46.5	11:20 AM - 11:25 AM	51.3	45.7
06:05 AM - 06:10 AM	45.5	44.3	08:45 AM - 08:50 AM	48.6	46.1	11:25 AM - 11:30 AM	50.3	46.4
06:10 AM - 06:15 AM	44.9	43.7	08:50 AM - 08:55 AM	49.3	46.7	11:30 AM - 11:35 AM	55.4	46.1
06:15 AM - 06:20 AM	46.0	43.5	08:55 AM - 09:00 AM	48.8	46.5	11:35 AM - 11:40 AM	57.5	45.0
06:20 AM - 06:25 AM	45.3	43.9	09:00 AM - 09:05 AM	52.8	46.8	11:40 AM - 11:45 AM	50.5	46.9
06:25 AM - 06:30 AM	45.6	44.0	09:05 AM - 09:10 AM	59.0	46.3	11:45 AM - 11:50 AM	55.9	55.4
06:30 AM - 06:35 AM	46.2	44.0	09:10 AM - 09:15 AM	52.4	45.1	11:50 AM - 11:55 AM	53.4	44.3
06:35 AM - 06:40 AM	48.2	43.4	09:15 AM - 09:20 AM	55.7	46.8	11:55 AM - 12:00 PM	54.7	49.1
06:40 AM - 06:45 AM	44.0	43.1	09:20 AM - 09:25 AM	53.1	46.4	12:00 PM - 12:05 PM	51.6	47.5
06:45 AM - 06:50 AM	45.1	44.0	09:25 AM - 09:30 AM	53.8	46.7	12:05 PM - 12:10 PM	51.6	47.2
06:50 AM - 06:55 AM	53.6	44.7	09:30 AM - 09:35 AM	50.3	46.2	12:10 PM - 12:15 PM	50.6	47.6
06:55 AM - 07:00 AM	46.8	44.1	09:35 AM - 09:40 AM	49.4	46.0	12:15 PM - 12:20 PM	54.4	46.4
07:00 AM - 07:05 AM	47.1	44.3	09:40 AM - 09:45 AM	53.2	47.1	12:20 PM - 12:25 PM	48.1	45.5
07:05 AM - 07:10 AM	46.4	43.5	09:45 AM - 09:50 AM	69.6	48.5	12:25 PM - 12:30 PM	48.4	45.5
07:10 AM - 07:15 AM	44.5	43.0	09:50 AM - 09:55 AM	49.2	46.7	12:30 PM - 12:35 PM	48.7	45.9
07:15 AM - 07:20 AM	45.0	43.4	09:55 AM - 10:00 AM	51.2	47.7	12:35 PM - 12:40 PM	52.4	48.5
07:20 AM - 07:25 AM	48.4	44.0	10:00 AM - 10:05 AM	51.0	46.9	12:40 PM - 12:45 PM	51.3	46.2
07:25 AM - 07:30 AM	47.4	43.9	10:05 AM - 10:10 AM	53.0	48.1	12:45 PM - 12:50 PM	49.4	45.1
07:30 AM - 07:35 AM	45.0	43.4	10:10 AM - 10:15 AM	51.1	47.6	12:50 PM - 12:55 PM	50.4	47.3
07:35 AM - 07:40 AM	45.2	43.7	10:15 AM - 10:20 AM	67.6	47.8	12:55 PM - 01:00 PM	50.1	46.4
07:40 AM - 07:45 AM	45.3	44.2	10:20 AM - 10:25 AM	52.0	48.4	01:00 PM - 01:05 PM	49.5	45.9
07:45 AM - 07:50 AM	47.0	44.3	10:25 AM - 10:30 AM	65.1	48.6	01:05 PM - 01:10 PM	48.9	44.8
07:50 AM - 07:55 AM	47.1	44.8	10:30 AM - 10:35 AM	50.6	48.1	01:10 PM - 01:15 PM	50.6	47.1
07:55 AM - 08:00 AM	47.7	46.0	10:35 AM - 10:40 AM	51.2	48.7	01:15 PM - 01:20 PM	50.6	46.4
08:00 AM - 08:05 AM	51.9	46.3	10:40 AM - 10:45 AM	52.0	49.3	01:20 PM - 01:25 PM	50.9	46.3
08:05 AM - 08:10 AM	47.1	45.9	10:45 AM - 10:50 AM	68.9	48.0	01:25 PM - 01:30 PM	48.8	45.5
08:10 AM - 08:15 AM	46.9	45.6	10:50 AM - 10:55 AM	59.4	49.0	01:30 PM - 01:35 PM	49.5	46.1
08:15 AM - 08:20 AM	47.4	46.0	10:55 AM - 11:00 AM	52.8	48.5	01:35 PM - 01:40 PM	51.0	47.1
08:20 AM - 08:25 AM	49.2	46.1	11:00 AM - 11:05 AM	54.1	48.0	01:40 PM - 01:45 PM	50.1	45.2
08:25 AM - 08:30 AM	47.4	45.9	11:05 AM - 11:10 AM	55.1	47.9	01:45 PM - 01:50 PM	50.0	45.6
08:30 AM - 08:35 AM	49.7	46.3	11:10 AM - 11:15 AM	51.9	48.2	01:50 PM - 01:55 PM	47.4	44.7
08:35 AM - 08:40 AM	47.8	46.3	11:15 AM - 11:20 AM	50.4	46.8	01:55 PM - 02:00 PM	51.9	44.8

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439584-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-13
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 0670718, 1575775)
Measurement Date Oct 22 - Oct 23, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	49.6	46.3	04:40 PM - 04:45 PM	54.6	50.1	07:20 PM - 07:25 PM	56.0	47.9
02:05 PM - 02:10 PM	51.4	47.0	04:45 PM - 04:50 PM	56.2	47.8	07:25 PM - 07:30 PM	61.2	49.5
02:10 PM - 02:15 PM	55.9	47.6	04:50 PM - 04:55 PM	49.7	44.9	07:30 PM - 07:35 PM	53.5	47.4
02:15 PM - 02:20 PM	53.2	47.2	04:55 PM - 05:00 PM	49.8	45.1	07:35 PM - 07:40 PM	53.3	47.8
02:20 PM - 02:25 PM	52.6	47.0	05:00 PM - 05:05 PM	53.2	45.1	07:40 PM - 07:45 PM	53.0	48.1
02:25 PM - 02:30 PM	55.2	47.7	05:05 PM - 05:10 PM	50.3	45.1	07:45 PM - 07:50 PM	55.5	48.3
02:30 PM - 02:35 PM	54.1	47.8	05:10 PM - 05:15 PM	50.1	45.9	07:50 PM - 07:55 PM	55.4	48.3
02:35 PM - 02:40 PM	50.8	45.6	05:15 PM - 05:20 PM	49.8	45.4	07:55 PM - 08:00 PM	54.4	47.8
02:40 PM - 02:45 PM	49.9	45.7	05:20 PM - 05:25 PM	49.6	46.2	08:00 PM - 08:05 PM	57.2	52.9
02:45 PM - 02:50 PM	49.2	45.9	05:25 PM - 05:30 PM	49.0	46.2	08:05 PM - 08:10 PM	56.8	48.8
02:50 PM - 02:55 PM	50.9	47.3	05:30 PM - 05:35 PM	48.3	45.9	08:10 PM - 08:15 PM	52.5	48.2
02:55 PM - 03:00 PM	51.9	47.6	05:35 PM - 05:40 PM	55.3	47.0	08:15 PM - 08:20 PM	51.3	47.7
03:00 PM - 03:05 PM	50.3	46.0	05:40 PM - 05:45 PM	47.6	44.9	08:20 PM - 08:25 PM	51.6	48.3
03:05 PM - 03:10 PM	49.0	46.4	05:45 PM - 05:50 PM	47.7	44.6	08:25 PM - 08:30 PM	56.0	50.2
03:10 PM - 03:15 PM	49.4	46.0	05:50 PM - 05:55 PM	49.1	46.0	08:30 PM - 08:35 PM	56.0	50.0
03:15 PM - 03:20 PM	49.2	46.2	05:55 PM - 06:00 PM	51.1	45.2	08:35 PM - 08:40 PM	54.7	50.0
03:20 PM - 03:25 PM	53.3	46.4	06:00 PM - 06:05 PM	59.6	47.8	08:40 PM - 08:45 PM	55.6	49.5
03:25 PM - 03:30 PM	49.5	45.7	06:05 PM - 06:10 PM	50.3	46.0	08:45 PM - 08:50 PM	54.4	49.8
03:30 PM - 03:35 PM	53.5	46.1	06:10 PM - 06:15 PM	48.8	45.7	08:50 PM - 08:55 PM	54.5	49.2
03:35 PM - 03:40 PM	49.2	46.0	06:15 PM - 06:20 PM	48.4	45.9	08:55 PM - 09:00 PM	53.1	48.8
03:40 PM - 03:45 PM	54.9	47.3	06:20 PM - 06:25 PM	68.4	48.3	09:00 PM - 09:05 PM	57.3	50.6
03:45 PM - 03:50 PM	54.3	47.3	06:25 PM - 06:30 PM	59.4	53.1	09:05 PM - 09:10 PM	51.1	48.8
03:50 PM - 03:55 PM	51.3	46.7	06:30 PM - 06:35 PM	53.6	50.3	09:10 PM - 09:15 PM	52.3	49.2
03:55 PM - 04:00 PM	51.9	46.5	06:35 PM - 06:40 PM	52.2	47.9	09:15 PM - 09:20 PM	54.2	49.2
04:00 PM - 04:05 PM	51.1	45.8	06:40 PM - 06:45 PM	54.0	49.1	09:20 PM - 09:25 PM	53.6	49.5
04:05 PM - 04:10 PM	51.0	45.3	06:45 PM - 06:50 PM	51.7	47.1	09:25 PM - 09:30 PM	56.5	49.4
04:10 PM - 04:15 PM	50.5	46.5	06:50 PM - 06:55 PM	57.2	48.7	09:30 PM - 09:35 PM	50.8	48.7
04:15 PM - 04:20 PM	52.1	46.5	06:55 PM - 07:00 PM	59.8	49.7	09:35 PM - 09:40 PM	52.3	49.2
04:20 PM - 04:25 PM	58.4	48.0	07:00 PM - 07:05 PM	59.4	47.3	09:40 PM - 09:45 PM	54.9	48.7
04:25 PM - 04:30 PM	57.3	48.3	07:05 PM - 07:10 PM	56.3	47.8	09:45 PM - 09:50 PM	53.0	50.7
04:30 PM - 04:35 PM	55.6	49.5	07:10 PM - 07:15 PM	59.8	48.4	09:50 PM - 09:55 PM	56.9	49.6
04:35 PM - 04:40 PM	53.6	47.8	07:15 PM - 07:20 PM	54.2	47.7	09:55 PM - 10:00 PM	50.9	48.8

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Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439584-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-13
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 0670718, 1575775)
Measurement Date Oct 22 - Oct 23, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 22 - Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)
10:00 PM - 10:05 PM	50.9	48.0	12:40 AM - 12:45 AM	48.5	46.6	03:20 AM - 03:25 AM	46.3	44.6
10:05 PM - 10:10 PM	49.1	47.0	12:45 AM - 12:50 AM	48.1	46.4	03:25 AM - 03:30 AM	53.8	45.1
10:10 PM - 10:15 PM	51.5	47.7	12:50 AM - 12:55 AM	50.3	46.4	03:30 AM - 03:35 AM	47.4	44.7
10:15 PM - 10:20 PM	66.9	48.2	12:55 AM - 01:00 AM	51.6	46.9	03:35 AM - 03:40 AM	49.7	45.6
10:20 PM - 10:25 PM	63.9	47.5	01:00 AM - 01:05 AM	48.2	46.6	03:40 AM - 03:45 AM	60.6	45.4
10:25 PM - 10:30 PM	61.0	48.0	01:05 AM - 01:10 AM	50.3	46.6	03:45 AM - 03:50 AM	46.6	45.5
10:30 PM - 10:35 PM	50.3	49.1	01:10 AM - 01:15 AM	52.3	47.4	03:50 AM - 03:55 AM	46.4	45.5
10:35 PM - 10:40 PM	50.3	48.6	01:15 AM - 01:20 AM	46.7	45.7	03:55 AM - 04:00 AM	46.8	45.7
10:40 PM - 10:45 PM	67.1	49.6	01:20 AM - 01:25 AM	48.9	46.1	04:00 AM - 04:05 AM	47.0	45.5
10:45 PM - 10:50 PM	53.4	48.8	01:25 AM - 01:30 AM	47.6	46.1	04:05 AM - 04:10 AM	46.2	45.3
10:50 PM - 10:55 PM	50.8	49.1	01:30 AM - 01:35 AM	48.1	46.0	04:10 AM - 04:15 AM	46.3	45.2
10:55 PM - 11:00 PM	51.0	48.8	01:35 AM - 01:40 AM	46.7	45.5	04:15 AM - 04:20 AM	45.9	45.0
11:00 PM - 11:05 PM	49.6	48.0	01:40 AM - 01:45 AM	46.9	45.6	04:20 AM - 04:25 AM	46.5	45.2
11:05 PM - 11:10 PM	50.9	49.1	01:45 AM - 01:50 AM	51.5	45.3	04:25 AM - 04:30 AM	46.7	45.5
11:10 PM - 11:15 PM	52.4	49.0	01:50 AM - 01:55 AM	54.6	45.1	04:30 AM - 04:35 AM	46.0	45.1
11:15 PM - 11:20 PM	53.9	48.2	01:55 AM - 02:00 AM	45.7	44.8	04:35 AM - 04:40 AM	45.8	45.0
11:20 PM - 11:25 PM	50.3	48.5	02:00 AM - 02:05 AM	46.3	44.9	04:40 AM - 04:45 AM	49.5	44.7
11:25 PM - 11:30 PM	53.1	50.3	02:05 AM - 02:10 AM	49.0	45.2	04:45 AM - 04:50 AM	63.4	45.3
11:30 PM - 11:35 PM	53.2	49.8	02:10 AM - 02:15 AM	45.2	43.7	04:50 AM - 04:55 AM	45.5	44.8
11:35 PM - 11:40 PM	52.5	49.8	02:15 AM - 02:20 AM	46.2	44.2	04:55 AM - 05:00 AM	45.3	44.4
11:40 PM - 11:45 PM	50.5	48.3	02:20 AM - 02:25 AM	46.8	44.1	05:00 AM - 05:05 AM	44.9	44.3
11:45 PM - 11:50 PM	54.1	48.5	02:25 AM - 02:30 AM	55.2	44.2	05:05 AM - 05:10 AM	44.9	44.3
11:50 PM - 11:55 PM	49.2	47.0	02:30 AM - 02:35 AM	56.6	44.4	05:10 AM - 05:15 AM	44.8	44.2
11:55 PM - 12:00 AM	48.6	46.8	02:35 AM - 02:40 AM	56.1	44.8	05:15 AM - 05:20 AM	45.1	44.4
12:00 AM - 12:05 AM	48.7	46.8	02:40 AM - 02:45 AM	49.0	43.8	05:20 AM - 05:25 AM	68.9	44.9
12:05 AM - 12:10 AM	48.4	47.0	02:45 AM - 02:50 AM	45.2	44.2	05:25 AM - 05:30 AM	45.7	44.8
12:10 AM - 12:15 AM	52.8	47.3	02:50 AM - 02:55 AM	45.9	44.1	05:30 AM - 05:35 AM	45.7	44.8
12:15 AM - 12:20 AM	51.7	47.3	02:55 AM - 03:00 AM	46.5	44.9	05:35 AM - 05:40 AM	45.2	44.5
12:20 AM - 12:25 AM	49.3	47.7	03:00 AM - 03:05 AM	45.6	44.7	05:40 AM - 05:45 AM	45.3	44.4
12:25 AM - 12:30 AM	49.9	47.5	03:05 AM - 03:10 AM	45.4	44.4	05:45 AM - 05:50 AM	45.4	44.2
12:30 AM - 12:35 AM	50.1	47.1	03:10 AM - 03:15 AM	45.5	44.5	05:50 AM - 05:55 AM	48.6	44.2
12:35 AM - 12:40 AM	52.1	47.6	03:15 AM - 03:20 AM	46.0	44.9	05:55 AM - 06:00 AM	45.0	43.9

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Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439584-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-13
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 0670718, 1575775)
Measurement Date Oct 22 - Oct 23, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	46.2	44.1	08:40 AM - 08:45 AM	47.0	45.3	11:20 AM - 11:25 AM	54.7	49.4
06:05 AM - 06:10 AM	45.4	44.2	08:45 AM - 08:50 AM	50.9	45.0	11:25 AM - 11:30 AM	50.2	47.2
06:10 AM - 06:15 AM	45.1	44.0	08:50 AM - 08:55 AM	48.2	45.3	11:30 AM - 11:35 AM	52.0	48.2
06:15 AM - 06:20 AM	45.1	44.1	08:55 AM - 09:00 AM	55.1	46.0	11:35 AM - 11:40 AM	51.3	48.2
06:20 AM - 06:25 AM	45.1	44.0	09:00 AM - 09:05 AM	56.0	47.1	11:40 AM - 11:45 AM	49.2	46.4
06:25 AM - 06:30 AM	45.0	44.2	09:05 AM - 09:10 AM	58.0	46.4	11:45 AM - 11:50 AM	54.1	46.2
06:30 AM - 06:35 AM	44.8	43.2	09:10 AM - 09:15 AM	50.0	46.7	11:50 AM - 11:55 AM	54.8	48.2
06:35 AM - 06:40 AM	44.8	43.1	09:15 AM - 09:20 AM	50.1	45.2	11:55 AM - 12:00 PM	51.9	49.0
06:40 AM - 06:45 AM	46.2	42.9	09:20 AM - 09:25 AM	51.3	46.6	12:00 PM - 12:05 PM	49.6	46.9
06:45 AM - 06:50 AM	45.3	43.3	09:25 AM - 09:30 AM	53.1	47.6	12:05 PM - 12:10 PM	49.9	47.0
06:50 AM - 06:55 AM	44.5	43.0	09:30 AM - 09:35 AM	51.7	47.2	12:10 PM - 12:15 PM	50.8	46.9
06:55 AM - 07:00 AM	50.0	43.7	09:35 AM - 09:40 AM	53.2	48.9	12:15 PM - 12:20 PM	50.8	47.5
07:00 AM - 07:05 AM	51.4	43.2	09:40 AM - 09:45 AM	59.1	47.6	12:20 PM - 12:25 PM	51.1	47.4
07:05 AM - 07:10 AM	47.5	43.2	09:45 AM - 09:50 AM	55.6	48.0	12:25 PM - 12:30 PM	51.8	46.5
07:10 AM - 07:15 AM	44.7	43.5	09:50 AM - 09:55 AM	62.0	46.4	12:30 PM - 12:35 PM	54.1	47.9
07:15 AM - 07:20 AM	45.5	43.8	09:55 AM - 10:00 AM	50.1	46.8	12:35 PM - 12:40 PM	57.3	48.0
07:20 AM - 07:25 AM	48.5	44.5	10:00 AM - 10:05 AM	56.2	47.3	12:40 PM - 12:45 PM	57.8	48.5
07:25 AM - 07:30 AM	45.9	44.7	10:05 AM - 10:10 AM	48.7	46.8	12:45 PM - 12:50 PM	54.7	48.5
07:30 AM - 07:35 AM	46.4	45.1	10:10 AM - 10:15 AM	50.6	47.5	12:50 PM - 12:55 PM	53.2	47.3
07:35 AM - 07:40 AM	45.9	44.7	10:15 AM - 10:20 AM	64.2	47.1	12:55 PM - 01:00 PM	53.4	47.8
07:40 AM - 07:45 AM	46.0	44.7	10:20 AM - 10:25 AM	66.9	47.6	01:00 PM - 01:05 PM	50.7	46.3
07:45 AM - 07:50 AM	53.9	45.3	10:25 AM - 10:30 AM	50.9	46.7	01:05 PM - 01:10 PM	54.9	48.5
07:50 AM - 07:55 AM	46.5	45.3	10:30 AM - 10:35 AM	53.1	47.2	01:10 PM - 01:15 PM	51.2	47.9
07:55 AM - 08:00 AM	46.7	45.0	10:35 AM - 10:40 AM	54.6	47.0	01:15 PM - 01:20 PM	55.9	46.0
08:00 AM - 08:05 AM	47.9	45.2	10:40 AM - 10:45 AM	53.3	47.8	01:20 PM - 01:25 PM	53.5	46.8
08:05 AM - 08:10 AM	48.3	45.6	10:45 AM - 10:50 AM	50.8	48.3	01:25 PM - 01:30 PM	51.1	47.3
08:10 AM - 08:15 AM	48.3	45.4	10:50 AM - 10:55 AM	53.3	48.7	01:30 PM - 01:35 PM	54.2	47.0
08:15 AM - 08:20 AM	48.4	45.4	10:55 AM - 11:00 AM	55.1	47.8	01:35 PM - 01:40 PM	55.5	46.7
08:20 AM - 08:25 AM	46.4	45.0	11:00 AM - 11:05 AM	51.7	47.5	01:40 PM - 01:45 PM	59.2	47.1
08:25 AM - 08:30 AM	46.9	45.3	11:05 AM - 11:10 AM	53.4	48.3	01:45 PM - 01:50 PM	62.6	46.2
08:30 AM - 08:35 AM	47.7	45.9	11:10 AM - 11:15 AM	50.3	47.2	01:50 PM - 01:55 PM	57.5	47.7
08:35 AM - 08:40 AM	47.4	45.4	11:15 AM - 11:20 AM	52.1	47.7	01:55 PM - 02:00 PM	52.7	47.1

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Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439585-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-14
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 0670718, 1575775)
Measurement Date Oct 23 - Oct 24, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)
02:00 PM - 02:05 PM	59.7	47.7	04:40 PM - 04:45 PM	53.2	46.8	07:20 PM - 07:25 PM	56.6	48.6
02:05 PM - 02:10 PM	62.3	48.5	04:45 PM - 04:50 PM	51.0	47.8	07:25 PM - 07:30 PM	54.8	48.9
02:10 PM - 02:15 PM	53.2	48.7	04:50 PM - 04:55 PM	50.8	46.0	07:30 PM - 07:35 PM	57.2	49.5
02:15 PM - 02:20 PM	53.3	48.7	04:55 PM - 05:00 PM	52.5	48.4	07:35 PM - 07:40 PM	54.6	48.5
02:20 PM - 02:25 PM	57.1	49.2	05:00 PM - 05:05 PM	52.2	48.0	07:40 PM - 07:45 PM	57.1	49.3
02:25 PM - 02:30 PM	54.3	49.7	05:05 PM - 05:10 PM	53.5	44.1	07:45 PM - 07:50 PM	58.5	49.3
02:30 PM - 02:35 PM	57.6	49.7	05:10 PM - 05:15 PM	54.1	47.9	07:50 PM - 07:55 PM	64.9	48.6
02:35 PM - 02:40 PM	55.1	48.9	05:15 PM - 05:20 PM	60.4	47.3	07:55 PM - 08:00 PM	55.1	49.6
02:40 PM - 02:45 PM	60.2	49.5	05:20 PM - 05:25 PM	56.4	48.2	08:00 PM - 08:05 PM	56.4	50.3
02:45 PM - 02:50 PM	51.6	48.5	05:25 PM - 05:30 PM	51.3	45.8	08:05 PM - 08:10 PM	55.4	48.0
02:50 PM - 02:55 PM	52.8	49.2	05:30 PM - 05:35 PM	51.7	47.1	08:10 PM - 08:15 PM	56.9	49.4
02:55 PM - 03:00 PM	54.0	49.2	05:35 PM - 05:40 PM	56.2	48.3	08:15 PM - 08:20 PM	56.7	50.5
03:00 PM - 03:05 PM	56.5	50.2	05:40 PM - 05:45 PM	51.4	47.4	08:20 PM - 08:25 PM	60.8	51.1
03:05 PM - 03:10 PM	52.4	48.8	05:45 PM - 05:50 PM	52.2	47.9	08:25 PM - 08:30 PM	60.1	52.3
03:10 PM - 03:15 PM	54.3	49.0	05:50 PM - 05:55 PM	50.3	46.4	08:30 PM - 08:35 PM	55.3	51.0
03:15 PM - 03:20 PM	56.4	49.9	05:55 PM - 06:00 PM	49.9	46.6	08:35 PM - 08:40 PM	58.4	51.0
03:20 PM - 03:25 PM	52.5	47.0	06:00 PM - 06:05 PM	51.1	47.9	08:40 PM - 08:45 PM	55.5	49.8
03:25 PM - 03:30 PM	51.6	47.6	06:05 PM - 06:10 PM	50.8	47.2	08:45 PM - 08:50 PM	57.7	54.1
03:30 PM - 03:35 PM	49.8	46.8	06:10 PM - 06:15 PM	50.7	47.8	08:50 PM - 08:55 PM	53.4	48.0
03:35 PM - 03:40 PM	54.9	49.2	06:15 PM - 06:20 PM	53.2	48.6	08:55 PM - 09:00 PM	54.9	48.9
03:40 PM - 03:45 PM	50.2	46.2	06:20 PM - 06:25 PM	51.6	46.9	09:00 PM - 09:05 PM	57.1	49.5
03:45 PM - 03:50 PM	56.0	53.1	06:25 PM - 06:30 PM	49.7	46.7	09:05 PM - 09:10 PM	57.6	49.8
03:50 PM - 03:55 PM	57.8	49.2	06:30 PM - 06:35 PM	53.8	48.2	09:10 PM - 09:15 PM	60.0	51.7
03:55 PM - 04:00 PM	52.4	48.0	06:35 PM - 06:40 PM	54.3	48.1	09:15 PM - 09:20 PM	68.0	53.0
04:00 PM - 04:05 PM	51.2	47.9	06:40 PM - 06:45 PM	52.0	46.9	09:20 PM - 09:25 PM	53.0	48.4
04:05 PM - 04:10 PM	53.1	47.1	06:45 PM - 06:50 PM	50.6	45.9	09:25 PM - 09:30 PM	59.0	48.0
04:10 PM - 04:15 PM	55.0	46.6	06:50 PM - 06:55 PM	50.0	46.5	09:30 PM - 09:35 PM	49.2	47.3
04:15 PM - 04:20 PM	58.0	48.1	06:55 PM - 07:00 PM	60.7	51.4	09:35 PM - 09:40 PM	48.7	46.4
04:20 PM - 04:25 PM	53.7	46.9	07:00 PM - 07:05 PM	61.7	56.8	09:40 PM - 09:45 PM	49.0	45.8
04:25 PM - 04:30 PM	53.3	46.9	07:05 PM - 07:10 PM	56.5	51.5	09:45 PM - 09:50 PM	50.3	45.8
04:30 PM - 04:35 PM	52.8	47.7	07:10 PM - 07:15 PM	53.5	50.5	09:50 PM - 09:55 PM	51.7	45.3
04:35 PM - 04:40 PM	50.7	47.4	07:15 PM - 07:20 PM	53.6	49.3	09:55 PM - 10:00 PM	55.0	45.7

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439585-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-14
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 0670718, 1575775)
Measurement Date Oct 23 - Oct 24, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 23 - Oct 24, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 24, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 24, 2025 Time	Leq dB(A)	L90 dB(A)
10:00 PM - 10:05 PM	50.1	45.9	12:40 AM - 12:45 AM	50.2	46.1	03:20 AM - 03:25 AM	56.5	43.0
10:05 PM - 10:10 PM	49.9	45.5	12:45 AM - 12:50 AM	55.8	45.8	03:25 AM - 03:30 AM	45.7	43.1
10:10 PM - 10:15 PM	50.7	45.6	12:50 AM - 12:55 AM	51.5	46.2	03:30 AM - 03:35 AM	44.6	42.8
10:15 PM - 10:20 PM	50.8	45.9	12:55 AM - 01:00 AM	51.6	45.5	03:35 AM - 03:40 AM	44.4	42.9
10:20 PM - 10:25 PM	49.2	46.6	01:00 AM - 01:05 AM	47.6	44.5	03:40 AM - 03:45 AM	45.3	43.4
10:25 PM - 10:30 PM	48.8	46.3	01:05 AM - 01:10 AM	47.1	44.7	03:45 AM - 03:50 AM	44.9	43.0
10:30 PM - 10:35 PM	48.4	45.8	01:10 AM - 01:15 AM	49.1	45.7	03:50 AM - 03:55 AM	45.2	43.4
10:35 PM - 10:40 PM	50.1	45.7	01:15 AM - 01:20 AM	47.9	45.3	03:55 AM - 04:00 AM	51.2	44.6
10:40 PM - 10:45 PM	47.4	45.0	01:20 AM - 01:25 AM	47.9	44.8	04:00 AM - 04:05 AM	46.9	43.4
10:45 PM - 10:50 PM	47.7	45.2	01:25 AM - 01:30 AM	47.4	44.3	04:05 AM - 04:10 AM	44.5	43.3
10:50 PM - 10:55 PM	48.7	46.3	01:30 AM - 01:35 AM	46.9	45.3	04:10 AM - 04:15 AM	45.3	43.8
10:55 PM - 11:00 PM	48.4	46.5	01:35 AM - 01:40 AM	50.1	44.9	04:15 AM - 04:20 AM	44.7	43.5
11:00 PM - 11:05 PM	50.0	47.3	01:40 AM - 01:45 AM	48.3	45.5	04:20 AM - 04:25 AM	45.4	43.8
11:05 PM - 11:10 PM	49.1	46.3	01:45 AM - 01:50 AM	49.0	45.7	04:25 AM - 04:30 AM	45.0	43.8
11:10 PM - 11:15 PM	51.4	46.7	01:50 AM - 01:55 AM	46.7	44.7	04:30 AM - 04:35 AM	45.2	43.5
11:15 PM - 11:20 PM	51.5	46.9	01:55 AM - 02:00 AM	46.8	44.5	04:35 AM - 04:40 AM	46.6	43.6
11:20 PM - 11:25 PM	51.2	47.5	02:00 AM - 02:05 AM	46.4	44.3	04:40 AM - 04:45 AM	45.4	44.1
11:25 PM - 11:30 PM	52.8	48.5	02:05 AM - 02:10 AM	45.7	43.8	04:45 AM - 04:50 AM	45.2	44.2
11:30 PM - 11:35 PM	52.3	48.0	02:10 AM - 02:15 AM	46.9	44.7	04:50 AM - 04:55 AM	45.3	44.1
11:35 PM - 11:40 PM	53.0	47.2	02:15 AM - 02:20 AM	47.6	44.8	04:55 AM - 05:00 AM	45.1	43.6
11:40 PM - 11:45 PM	50.7	47.2	02:20 AM - 02:25 AM	47.6	44.5	05:00 AM - 05:05 AM	44.3	43.0
11:45 PM - 11:50 PM	49.7	47.6	02:25 AM - 02:30 AM	46.1	44.2	05:05 AM - 05:10 AM	44.0	42.6
11:50 PM - 11:55 PM	48.2	46.8	02:30 AM - 02:35 AM	47.9	43.9	05:10 AM - 05:15 AM	45.0	43.2
11:55 PM - 12:00 AM	48.0	46.3	02:35 AM - 02:40 AM	45.8	43.9	05:15 AM - 05:20 AM	49.4	42.9
12:00 AM - 12:05 AM	47.6	45.3	02:40 AM - 02:45 AM	48.8	44.2	05:20 AM - 05:25 AM	49.0	43.9
12:05 AM - 12:10 AM	50.4	45.2	02:45 AM - 02:50 AM	44.5	42.9	05:25 AM - 05:30 AM	51.2	43.4
12:10 AM - 12:15 AM	51.3	46.8	02:50 AM - 02:55 AM	46.3	43.6	05:30 AM - 05:35 AM	63.4	43.2
12:15 AM - 12:20 AM	46.6	45.1	02:55 AM - 03:00 AM	46.3	43.0	05:35 AM - 05:40 AM	65.2	42.9
12:20 AM - 12:25 AM	47.7	45.1	03:00 AM - 03:05 AM	44.3	42.8	05:40 AM - 05:45 AM	56.4	42.6
12:25 AM - 12:30 AM	50.6	46.1	03:05 AM - 03:10 AM	50.1	42.7	05:45 AM - 05:50 AM	45.9	43.0
12:30 AM - 12:35 AM	52.7	47.4	03:10 AM - 03:15 AM	45.1	42.4	05:50 AM - 05:55 AM	45.2	42.2
12:35 AM - 12:40 AM	47.7	45.9	03:15 AM - 03:20 AM	45.1	42.5	05:55 AM - 06:00 AM	43.1	41.4

Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595709
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439585-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595709-14
Parameter Noise Level (Leq 5 min)
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 0670718, 1575775)
Measurement Date Oct 23 - Oct 24, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00572552

Oct 24, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 24, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 24, 2025 Time	Leq dB(A)	L90 dB(A)
06:00 AM - 06:05 AM	43.3	41.8	08:40 AM - 08:45 AM	46.0	44.4	11:20 AM - 11:25 AM	52.3	47.6
06:05 AM - 06:10 AM	43.5	42.4	08:45 AM - 08:50 AM	46.4	44.6	11:25 AM - 11:30 AM	58.4	49.6
06:10 AM - 06:15 AM	50.3	42.3	08:50 AM - 08:55 AM	49.7	45.0	11:30 AM - 11:35 AM	52.8	47.3
06:15 AM - 06:20 AM	52.6	42.7	08:55 AM - 09:00 AM	49.0	45.5	11:35 AM - 11:40 AM	51.5	46.9
06:20 AM - 06:25 AM	52.5	42.5	09:00 AM - 09:05 AM	57.0	45.1	11:40 AM - 11:45 AM	55.9	52.2
06:25 AM - 06:30 AM	67.8	42.7	09:05 AM - 09:10 AM	50.4	45.1	11:45 AM - 11:50 AM	53.1	52.3
06:30 AM - 06:35 AM	46.5	42.5	09:10 AM - 09:15 AM	50.6	45.9	11:50 AM - 11:55 AM	52.5	49.0
06:35 AM - 06:40 AM	42.7	41.5	09:15 AM - 09:20 AM	50.6	45.8	11:55 AM - 12:00 PM	67.4	48.4
06:40 AM - 06:45 AM	42.6	41.4	09:20 AM - 09:25 AM	66.7	46.5	12:00 PM - 12:05 PM	67.3	55.7
06:45 AM - 06:50 AM	43.6	42.2	09:25 AM - 09:30 AM	63.8	48.9	12:05 PM - 12:10 PM	51.9	48.2
06:50 AM - 06:55 AM	43.7	42.4	09:30 AM - 09:35 AM	50.8	47.1	12:10 PM - 12:15 PM	52.0	46.2
06:55 AM - 07:00 AM	47.3	42.1	09:35 AM - 09:40 AM	51.9	47.4	12:15 PM - 12:20 PM	48.3	45.1
07:00 AM - 07:05 AM	42.9	41.4	09:40 AM - 09:45 AM	55.8	47.9	12:20 PM - 12:25 PM	47.0	44.9
07:05 AM - 07:10 AM	46.1	41.9	09:45 AM - 09:50 AM	54.5	47.4	12:25 PM - 12:30 PM	49.8	45.8
07:10 AM - 07:15 AM	44.2	43.0	09:50 AM - 09:55 AM	50.6	46.6	12:30 PM - 12:35 PM	48.9	44.1
07:15 AM - 07:20 AM	47.8	43.3	09:55 AM - 10:00 AM	49.2	47.3	12:35 PM - 12:40 PM	48.2	43.5
07:20 AM - 07:25 AM	54.5	46.1	10:00 AM - 10:05 AM	52.3	48.3	12:40 PM - 12:45 PM	48.3	44.6
07:25 AM - 07:30 AM	53.6	43.9	10:05 AM - 10:10 AM	56.7	48.4	12:45 PM - 12:50 PM	56.9	44.8
07:30 AM - 07:35 AM	44.9	43.6	10:10 AM - 10:15 AM	51.6	47.9	12:50 PM - 12:55 PM	48.3	45.5
07:35 AM - 07:40 AM	66.3	43.6	10:15 AM - 10:20 AM	55.5	49.6	12:55 PM - 01:00 PM	47.4	44.1
07:40 AM - 07:45 AM	52.0	43.9	10:20 AM - 10:25 AM	54.5	50.2	01:00 PM - 01:05 PM	53.5	44.1
07:45 AM - 07:50 AM	48.2	43.9	10:25 AM - 10:30 AM	53.3	49.3	01:05 PM - 01:10 PM	59.9	49.5
07:50 AM - 07:55 AM	46.1	44.2	10:30 AM - 10:35 AM	51.8	49.2	01:10 PM - 01:15 PM	57.6	50.4
07:55 AM - 08:00 AM	46.9	45.2	10:35 AM - 10:40 AM	53.5	49.1	01:15 PM - 01:20 PM	56.3	46.5
08:00 AM - 08:05 AM	46.3	44.7	10:40 AM - 10:45 AM	52.4	49.6	01:20 PM - 01:25 PM	51.9	49.3
08:05 AM - 08:10 AM	45.7	44.4	10:45 AM - 10:50 AM	56.0	49.2	01:25 PM - 01:30 PM	52.1	48.6
08:10 AM - 08:15 AM	49.4	44.3	10:50 AM - 10:55 AM	62.1	49.1	01:30 PM - 01:35 PM	51.5	47.0
08:15 AM - 08:20 AM	45.9	44.0	10:55 AM - 11:00 AM	51.5	48.9	01:35 PM - 01:40 PM	54.2	51.2
08:20 AM - 08:25 AM	45.7	44.0	11:00 AM - 11:05 AM	51.7	48.4	01:40 PM - 01:45 PM	56.6	54.2
08:25 AM - 08:30 AM	47.9	45.0	11:05 AM - 11:10 AM	49.9	48.1	01:45 PM - 01:50 PM	57.4	52.5
08:30 AM - 08:35 AM	53.3	44.8	11:10 AM - 11:15 AM	49.7	47.3	01:50 PM - 01:55 PM	58.4	52.1
08:35 AM - 08:40 AM	49.3	44.5	11:15 AM - 11:20 AM	50.2	47.1	01:55 PM - 02:00 PM	56.4	51.9

Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439598-1 CR

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595681-8
Parameter Noise Level (Leq 5 min)
Location วัดหน้าถ้ำใบนิมะห์ยุไหน่ดีอะโรงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 17 - Oct 18, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 17, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 17, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 17, 2025 Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	49.2	47.2	12:40 PM - 12:45 PM	47.4	45.6	03:20 PM - 03:25 PM	57.4	55.4
10:05 AM - 10:10 AM	48.4	46.8	12:45 PM - 12:50 PM	48.5	46.3	03:25 PM - 03:30 PM	55.3	52.9
10:10 AM - 10:15 AM	50.0	46.4	12:50 PM - 12:55 PM	50.2	47.4	03:30 PM - 03:35 PM	53.0	51.8
10:15 AM - 10:20 AM	51.5	47.6	12:55 PM - 01:00 PM	48.5	47.5	03:35 PM - 03:40 PM	52.6	51.1
10:20 AM - 10:25 AM	47.8	46.1	01:00 PM - 01:05 PM	49.1	46.8	03:40 PM - 03:45 PM	54.0	52.0
10:25 AM - 10:30 AM	47.5	45.9	01:05 PM - 01:10 PM	48.0	46.3	03:45 PM - 03:50 PM	59.2	56.9
10:30 AM - 10:35 AM	48.3	46.0	01:10 PM - 01:15 PM	47.4	45.8	03:50 PM - 03:55 PM	61.6	57.4
10:35 AM - 10:40 AM	50.9	46.6	01:15 PM - 01:20 PM	48.1	46.0	03:55 PM - 04:00 PM	60.2	57.2
10:40 AM - 10:45 AM	51.0	46.8	01:20 PM - 01:25 PM	49.1	46.6	04:00 PM - 04:05 PM	60.1	57.1
10:45 AM - 10:50 AM	50.3	46.5	01:25 PM - 01:30 PM	48.7	46.9	04:05 PM - 04:10 PM	57.8	56.4
10:50 AM - 10:55 AM	50.6	47.1	01:30 PM - 01:35 PM	49.3	47.7	04:10 PM - 04:15 PM	59.7	57.4
10:55 AM - 11:00 AM	49.3	46.7	01:35 PM - 01:40 PM	49.1	47.3	04:15 PM - 04:20 PM	58.2	56.7
11:00 AM - 11:05 AM	48.1	46.4	01:40 PM - 01:44 PM	49.2	47.1	04:20 PM - 04:25 PM	57.4	56.5
11:05 AM - 11:10 AM	50.3	46.7	01:45 PM - 01:50 PM	48.8	47.0	04:25 PM - 04:30 PM	60.2	57.1
11:10 AM - 11:15 AM	49.5	47.4	01:50 PM - 01:55 PM	51.4	47.4	04:30 PM - 04:35 PM	58.6	56.9
11:15 AM - 11:20 AM	51.2	48.4	01:55 PM - 02:00 PM	50.9	47.9	04:35 PM - 04:40 PM	59.0	56.9
11:20 AM - 11:25 AM	48.6	46.9	02:00 PM - 02:05 PM	50.7	47.8	04:40 PM - 04:45 PM	59.3	57.0
11:25 AM - 11:30 AM	49.1	47.0	02:05 PM - 02:10 PM	50.1	46.9	04:45 PM - 04:50 PM	60.0	57.1
11:30 AM - 11:35 AM	48.9	46.9	02:10 PM - 02:15 PM	50.9	47.0	04:50 PM - 04:55 PM	59.9	57.6
11:35 AM - 11:40 AM	50.3	46.9	02:15 PM - 02:20 PM	50.0	47.1	04:55 PM - 05:00 PM	62.0	57.9
11:40 AM - 11:45 AM	49.7	46.9	02:20 PM - 02:25 PM	54.7	48.1	05:00 PM - 05:05 PM	61.4	59.7
11:45 AM - 11:50 AM	50.3	47.7	02:25 PM - 02:30 PM	53.2	47.7	05:05 PM - 05:10 PM	60.5	59.0
11:50 AM - 11:55 AM	52.6	48.5	02:30 PM - 02:35 PM	50.7	47.5	05:10 PM - 05:15 PM	62.2	59.4
11:55 AM - 12:00 PM	50.5	48.5	02:35 PM - 02:40 PM	50.4	47.2	05:15 PM - 05:20 PM	63.4	58.7
12:00 PM - 12:05 PM	50.2	47.8	02:40 PM - 02:45 PM	57.3	52.8	05:20 PM - 05:25 PM	59.6	57.8
12:05 PM - 12:10 PM	50.4	47.5	02:45 PM - 02:50 PM	58.3	55.5	05:25 PM - 05:30 PM	59.5	57.7
12:10 PM - 12:15 PM	50.2	47.1	02:50 PM - 02:55 PM	62.9	54.4	05:30 PM - 05:35 PM	60.4	57.7
12:15 PM - 12:20 PM	48.1	47.0	02:55 PM - 03:00 PM	65.7	62.3	05:35 PM - 05:40 PM	58.6	57.2
12:20 PM - 12:25 PM	48.6	46.7	03:00 PM - 03:05 PM	67.1	61.6	05:40 PM - 05:45 PM	58.8	57.3
12:25 PM - 12:30 PM	50.0	47.0	03:05 PM - 03:10 PM	63.5	58.9	05:45 PM - 05:50 PM	58.1	57.1
12:30 PM - 12:35 PM	50.7	47.4	03:10 PM - 03:15 PM	60.9	58.7	05:50 PM - 05:55 PM	59.2	57.0
12:35 PM - 12:40 PM	50.5	47.2	03:15 PM - 03:20 PM	58.4	56.8	05:55 PM - 06:00 PM	59.8	57.1

Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439598-1 C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595681-8
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 17 - Oct 18, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 17, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 17, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 17 - Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	58.1	56.9	08:40 PM - 08:45 PM	60.3	57.2	11:20 PM - 11:25 PM	62.8	58.4
06:05 PM - 06:10 PM	58.6	57.1	08:45 PM - 08:50 PM	61.4	58.5	11:25 PM - 11:30 PM	62.5	59.2
06:10 PM - 06:15 PM	58.8	57.1	08:50 PM - 08:55 PM	62.8	60.0	11:30 PM - 11:35 PM	64.0	60.0
06:15 PM - 06:20 PM	58.2	56.9	08:55 PM - 09:00 PM	63.3	58.8	11:35 PM - 11:40 PM	61.8	59.2
06:20 PM - 06:25 PM	58.7	56.8	09:00 PM - 09:05 PM	63.2	58.8	11:40 PM - 11:45 PM	61.9	58.3
06:25 PM - 06:30 PM	58.8	56.7	09:05 PM - 09:10 PM	61.8	58.3	11:45 PM - 11:50 PM	59.3	57.2
06:30 PM - 06:35 PM	59.0	56.6	09:10 PM - 09:15 PM	59.1	57.4	11:50 PM - 11:55 PM	58.1	56.6
06:35 PM - 06:40 PM	58.5	57.0	09:15 PM - 09:20 PM	61.3	57.8	11:55 PM - 12:00 AM	61.8	56.9
06:40 PM - 06:45 PM	58.3	57.1	09:20 PM - 09:25 PM	63.7	58.3	12:00 AM - 12:05 AM	63.1	57.9
06:45 PM - 06:50 PM	58.5	57.0	09:25 PM - 09:30 PM	57.8	56.8	12:05 AM - 12:10 AM	63.7	58.9
06:50 PM - 06:55 PM	59.2	57.1	09:30 PM - 09:35 PM	58.9	56.9	12:10 AM - 12:15 AM	60.5	57.4
06:55 PM - 07:00 PM	59.7	57.1	09:35 PM - 09:40 PM	58.7	57.0	12:15 AM - 12:20 AM	60.4	57.1
07:00 PM - 07:05 PM	61.1	58.5	09:40 PM - 09:45 PM	59.7	57.1	12:20 AM - 12:25 AM	57.4	56.5
07:05 PM - 07:10 PM	60.8	58.1	09:45 PM - 09:50 PM	59.7	57.4	12:25 AM - 12:30 AM	57.2	56.5
07:10 PM - 07:15 PM	58.7	57.0	09:50 PM - 09:55 PM	60.8	57.6	12:30 AM - 12:35 AM	57.5	56.7
07:15 PM - 07:20 PM	62.7	57.7	09:55 PM - 10:00 PM	57.9	57.0	12:35 AM - 12:40 AM	57.1	56.3
07:20 PM - 07:25 PM	58.0	56.7	10:00 PM - 10:05 PM	58.8	57.0	12:40 AM - 12:45 AM	57.4	56.8
07:25 PM - 07:30 PM	59.4	57.0	10:05 PM - 10:10 PM	58.3	56.8	12:45 AM - 12:50 AM	57.4	56.8
07:30 PM - 07:35 PM	58.3	56.8	10:10 PM - 10:15 PM	58.2	56.9	12:50 AM - 12:55 AM	57.5	56.6
07:35 PM - 07:40 PM	60.1	57.5	10:15 PM - 10:20 PM	58.3	56.9	12:55 AM - 01:00 AM	57.1	56.4
07:40 PM - 07:45 PM	60.1	57.2	10:20 PM - 10:25 PM	58.1	56.6	01:00 AM - 01:05 AM	57.4	56.4
07:45 PM - 07:50 PM	59.4	57.4	10:25 PM - 10:30 PM	58.1	56.7	01:05 AM - 01:10 AM	57.4	56.7
07:50 PM - 07:55 PM	59.2	57.2	10:30 PM - 10:35 PM	57.7	56.7	01:10 AM - 01:15 AM	57.3	56.6
07:55 PM - 08:00 PM	59.6	57.0	10:35 PM - 10:40 PM	57.4	56.6	01:15 AM - 01:20 AM	57.5	56.6
08:00 PM - 08:05 PM	59.7	57.2	10:40 PM - 10:45 PM	57.5	56.5	01:20 AM - 01:25 AM	57.4	56.8
08:05 PM - 08:10 PM	59.0	56.9	10:45 PM - 10:50 PM	59.1	56.6	01:25 AM - 01:30 AM	57.3	56.6
08:10 PM - 08:15 PM	59.4	57.4	10:50 PM - 10:55 PM	57.1	56.5	01:30 AM - 01:35 AM	57.5	56.8
08:15 PM - 08:20 PM	59.7	57.2	10:55 PM - 11:00 PM	57.7	56.7	01:35 AM - 01:40 AM	57.3	56.7
08:20 PM - 08:25 PM	63.6	56.7	11:00 PM - 11:05 PM	57.4	56.7	01:40 AM - 01:45 AM	57.3	56.6
08:25 PM - 08:30 PM	58.2	57.0	11:05 PM - 11:10 PM	57.6	56.7	01:45 AM - 01:50 AM	57.2	56.6
08:30 PM - 08:35 PM	58.9	57.2	11:10 PM - 11:15 PM	57.4	56.6	01:50 AM - 01:55 AM	58.8	56.8
08:35 PM - 08:40 PM	58.5	57.0	11:15 PM - 11:20 PM	59.8	56.6	01:55 AM - 02:00 AM	57.6	56.4

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439598-1 C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595681-8
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 17 - Oct 18, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	57.9	56.5	04:40 AM - 04:45 AM	57.2	56.3	07:20 AM - 07:25 AM	56.6	56.0
02:05 AM - 02:10 AM	57.5	56.9	04:45 AM - 04:50 AM	58.0	56.5	07:25 AM - 07:30 AM	56.4	55.8
02:10 AM - 02:15 AM	57.4	56.5	04:50 AM - 04:55 AM	57.4	56.6	07:30 AM - 07:35 AM	56.5	55.9
02:15 AM - 02:20 AM	57.3	56.6	04:55 AM - 05:00 AM	57.8	57.0	07:35 AM - 07:40 AM	56.4	55.8
02:20 AM - 02:25 AM	57.3	56.7	05:00 AM - 05:05 AM	57.3	56.6	07:40 AM - 07:45 AM	56.8	55.9
02:25 AM - 02:30 AM	57.3	56.6	05:05 AM - 05:10 AM	57.3	56.6	07:45 AM - 07:50 AM	56.7	56.0
02:30 AM - 02:35 AM	57.6	56.9	05:10 AM - 05:15 AM	57.3	56.6	07:50 AM - 07:55 AM	56.7	55.9
02:35 AM - 02:40 AM	57.5	56.8	05:15 AM - 05:20 AM	57.5	56.5	07:55 AM - 08:00 AM	56.8	56.0
02:40 AM - 02:45 AM	57.6	56.6	05:20 AM - 05:25 AM	56.5	55.9	08:00 AM - 08:05 AM	56.7	55.9
02:45 AM - 02:50 AM	57.4	56.8	05:25 AM - 05:30 AM	57.2	56.0	08:05 AM - 08:10 AM	57.5	56.1
02:50 AM - 02:55 AM	57.5	56.8	05:30 AM - 05:35 AM	56.6	56.0	08:10 AM - 08:15 AM	58.1	56.3
02:55 AM - 03:00 AM	57.5	56.8	05:35 AM - 05:40 AM	56.6	56.0	08:15 AM - 08:20 AM	57.1	56.0
03:00 AM - 03:05 AM	57.5	56.8	05:40 AM - 05:45 AM	56.6	56.0	08:20 AM - 08:25 AM	57.2	56.3
03:05 AM - 03:10 AM	57.4	56.7	05:45 AM - 05:50 AM	57.6	55.8	08:25 AM - 08:30 AM	56.5	55.9
03:10 AM - 03:15 AM	57.6	56.6	05:50 AM - 05:55 AM	56.3	55.6	08:30 AM - 08:35 AM	57.2	56.0
03:15 AM - 03:20 AM	57.6	56.6	05:55 AM - 06:00 AM	56.4	55.8	08:35 AM - 08:40 AM	56.5	56.0
03:20 AM - 03:25 AM	57.2	56.6	06:00 AM - 06:05 AM	57.2	55.9	08:40 AM - 08:45 AM	56.4	55.9
03:25 AM - 03:30 AM	57.6	56.8	06:05 AM - 06:10 AM	56.6	55.8	08:45 AM - 08:50 AM	56.4	55.7
03:30 AM - 03:35 AM	57.4	56.6	06:10 AM - 06:15 AM	56.8	56.1	08:50 AM - 08:55 AM	56.3	55.7
03:35 AM - 03:40 AM	57.1	56.4	06:15 AM - 06:20 AM	57.2	56.1	08:55 AM - 09:00 AM	56.3	55.8
03:40 AM - 03:45 AM	57.0	56.4	06:20 AM - 06:25 AM	56.9	56.2	09:00 AM - 09:05 AM	56.5	55.9
03:45 AM - 03:50 AM	57.2	56.4	06:25 AM - 06:30 AM	56.9	56.2	09:05 AM - 09:10 AM	57.0	56.1
03:50 AM - 03:55 AM	57.2	56.4	06:30 AM - 06:35 AM	56.9	56.3	09:10 AM - 09:15 AM	56.4	55.9
03:55 AM - 04:00 AM	57.0	56.2	06:35 AM - 06:40 AM	56.7	56.1	09:15 AM - 09:20 AM	56.4	55.9
04:00 AM - 04:05 AM	57.3	56.6	06:40 AM - 06:45 AM	58.3	56.4	09:20 AM - 09:25 AM	56.3	55.8
04:05 AM - 04:10 AM	57.3	56.4	06:45 AM - 06:50 AM	56.6	55.9	09:25 AM - 09:30 AM	56.4	55.9
04:10 AM - 04:15 AM	57.1	56.5	06:50 AM - 06:55 AM	56.5	56.0	09:30 AM - 09:35 AM	56.4	55.8
04:15 AM - 04:20 AM	57.6	56.5	06:55 AM - 07:00 AM	56.7	56.0	09:35 AM - 09:40 AM	56.5	55.6
04:20 AM - 04:25 AM	56.9	56.2	07:00 AM - 07:05 AM	56.6	56.0	09:40 AM - 09:45 AM	56.1	55.6
04:25 AM - 04:30 AM	57.6	56.6	07:05 AM - 07:10 AM	56.9	55.9	09:45 AM - 09:50 AM	57.2	55.8
04:30 AM - 04:35 AM	57.3	56.7	07:10 AM - 07:15 AM	56.4	55.7	09:50 AM - 09:55 AM	56.6	55.8
04:35 AM - 04:40 AM	57.2	56.5	07:15 AM - 07:20 AM	56.8	56.0	09:55 AM - 10:00 AM	56.8	56.0

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Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439599-1 C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595681-9
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 18 - Oct 19, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	56.3	55.8	12:40 PM - 12:45 PM	48.5	47.3	03:20 PM - 03:25 PM	47.9	46.5
10:05 AM - 10:10 AM	56.4	55.8	12:45 PM - 12:50 PM	49.1	47.5	03:25 PM - 03:30 PM	47.4	46.1
10:10 AM - 10:15 AM	56.4	55.9	12:50 PM - 12:55 PM	47.8	46.5	03:30 PM - 03:35 PM	47.2	46.0
10:15 AM - 10:20 AM	56.3	55.7	12:55 PM - 01:00 PM	49.9	47.3	03:35 PM - 03:40 PM	48.1	46.2
10:20 AM - 10:25 AM	56.7	56.2	01:00 PM - 01:05 PM	48.8	46.8	03:40 PM - 03:45 PM	50.0	46.3
10:25 AM - 10:30 AM	56.4	55.9	01:05 PM - 01:10 PM	48.5	46.8	03:45 PM - 03:50 PM	49.3	45.8
10:30 AM - 10:35 AM	56.2	55.7	01:10 PM - 01:15 PM	48.3	46.7	03:50 PM - 03:55 PM	47.3	45.9
10:35 AM - 10:40 AM	56.5	55.9	01:15 PM - 01:20 PM	48.8	47.2	03:55 PM - 04:00 PM	47.0	45.6
10:40 AM - 10:45 AM	56.8	56.2	01:20 PM - 01:25 PM	48.9	46.7	04:00 PM - 04:05 PM	49.6	46.3
10:45 AM - 10:50 AM	56.6	56.0	01:25 PM - 01:30 PM	48.1	45.5	04:05 PM - 04:10 PM	48.8	45.9
10:50 AM - 10:55 AM	56.6	56.0	01:30 PM - 01:35 PM	46.8	45.6	04:10 PM - 04:15 PM	48.2	46.2
10:55 AM - 11:00 AM	56.5	56.0	01:35 PM - 01:40 PM	47.9	46.9	04:15 PM - 04:20 PM	56.5	46.8
11:00 AM - 11:05 AM	56.3	55.7	01:40 PM - 01:45 PM	47.5	46.7	04:20 PM - 04:25 PM	50.0	46.0
11:05 AM - 11:10 AM	56.1	55.6	01:45 PM - 01:50 PM	48.4	46.8	04:25 PM - 04:30 PM	50.5	46.4
11:10 AM - 11:15 AM	56.2	55.6	01:50 PM - 01:55 PM	49.1	46.2	04:30 PM - 04:35 PM	49.0	45.3
11:15 AM - 11:20 AM	56.1	55.5	01:55 PM - 02:00 PM	53.2	47.1	04:35 PM - 04:40 PM	49.0	46.3
11:20 AM - 11:25 AM	56.3	55.8	02:00 PM - 02:05 PM	49.5	46.9	04:40 PM - 04:45 PM	48.1	45.6
11:25 AM - 11:30 AM	56.2	55.6	02:05 PM - 02:10 PM	49.0	46.3	04:45 PM - 04:50 PM	48.3	45.9
11:30 AM - 11:35 AM	56.3	55.8	02:10 PM - 02:15 PM	50.3	45.9	04:50 PM - 04:55 PM	47.9	46.0
11:35 AM - 11:40 AM	56.2	55.7	02:15 PM - 02:20 PM	49.4	46.6	04:55 PM - 05:00 PM	48.2	46.0
11:40 AM - 11:45 AM	56.2	55.8	02:20 PM - 02:25 PM	50.1	46.8	05:00 PM - 05:05 PM	49.2	45.7
11:45 AM - 11:50 AM	56.1	55.6	02:25 PM - 02:30 PM	50.6	46.2	05:05 PM - 05:10 PM	47.3	45.6
11:50 AM - 11:55 AM	56.4	55.9	02:30 PM - 02:35 PM	48.9	45.8	05:10 PM - 05:15 PM	49.7	46.0
11:55 AM - 12:00 PM	56.4	55.9	02:35 PM - 02:40 PM	48.7	45.5	05:15 PM - 05:20 PM	50.0	45.3
12:00 PM - 12:05 PM	50.0	47.7	02:40 PM - 02:45 PM	49.1	46.0	05:20 PM - 05:25 PM	47.2	45.1
12:05 PM - 12:10 PM	50.0	48.1	02:45 PM - 02:50 PM	48.6	47.0	05:25 PM - 05:30 PM	46.1	44.9
12:10 PM - 12:15 PM	50.9	47.7	02:50 PM - 02:55 PM	49.1	47.2	05:30 PM - 05:35 PM	46.8	45.2
12:15 PM - 12:20 PM	50.9	47.6	02:55 PM - 03:00 PM	47.4	46.2	05:35 PM - 05:40 PM	47.2	45.3
12:20 PM - 12:25 PM	49.4	48.0	03:00 PM - 03:05 PM	46.7	46.3	05:40 PM - 05:45 PM	48.1	46.0
12:25 PM - 12:30 PM	49.9	47.6	03:05 PM - 03:10 PM	47.2	45.9	05:45 PM - 05:50 PM	50.1	46.8
12:30 PM - 12:35 PM	49.9	48.2	03:10 PM - 03:15 PM	46.9	45.8	05:50 PM - 05:55 PM	52.4	47.4
12:35 PM - 12:40 PM	49.6	47.6	03:15 PM - 03:20 PM	47.1	45.9	05:55 PM - 06:00 PM	51.4	47.6

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Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439599-1 C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595681-9
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 18 - Oct 19, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 18, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 18 - Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	51.1	47.5	08:40 PM - 08:45 PM	50.6	49.1	11:20 PM - 11:25 PM	55.1	52.9
06:05 PM - 06:10 PM	51.0	46.6	08:45 PM - 08:50 PM	50.5	49.1	11:25 PM - 11:30 PM	55.3	53.5
06:10 PM - 06:15 PM	48.0	46.6	08:50 PM - 08:55 PM	52.0	49.8	11:30 PM - 11:35 PM	55.4	54.7
06:15 PM - 06:20 PM	47.8	45.5	08:55 PM - 09:00 PM	50.6	48.6	11:35 PM - 11:40 PM	56.6	53.4
06:20 PM - 06:25 PM	50.6	45.7	09:00 PM - 09:05 PM	51.2	48.9	11:40 PM - 11:45 PM	55.0	52.7
06:25 PM - 06:30 PM	49.5	45.6	09:05 PM - 09:10 PM	52.5	50.1	11:45 PM - 11:50 PM	53.4	52.4
06:30 PM - 06:35 PM	47.9	45.4	09:10 PM - 09:15 PM	55.0	52.9	11:50 PM - 11:55 PM	54.0	52.7
06:35 PM - 06:40 PM	48.9	46.4	09:15 PM - 09:20 PM	54.1	52.2	11:55 PM - 12:00 AM	54.9	52.5
06:40 PM - 06:45 PM	48.3	45.9	09:20 PM - 09:25 PM	56.8	54.6	12:00 AM - 12:05 AM	53.1	51.6
06:45 PM - 06:50 PM	49.9	46.7	09:25 PM - 09:30 PM	58.9	55.1	12:05 AM - 12:10 AM	58.2	54.6
06:50 PM - 06:55 PM	50.8	47.3	09:30 PM - 09:35 PM	57.4	55.4	12:10 AM - 12:15 AM	55.7	54.2
06:55 PM - 07:00 PM	50.8	47.0	09:35 PM - 09:40 PM	58.8	55.6	12:15 AM - 12:20 AM	55.3	52.9
07:00 PM - 07:05 PM	51.1	47.1	09:40 PM - 09:45 PM	57.5	55.0	12:20 AM - 12:25 AM	53.8	52.8
07:05 PM - 07:10 PM	50.4	47.1	09:45 PM - 09:50 PM	65.7	54.7	12:25 AM - 12:30 AM	54.0	52.4
07:10 PM - 07:15 PM	50.8	47.7	09:50 PM - 09:55 PM	55.0	53.4	12:30 AM - 12:35 AM	52.9	52.3
07:15 PM - 07:20 PM	50.6	46.9	09:55 PM - 10:00 PM	62.6	54.3	12:35 AM - 12:40 AM	53.1	52.2
07:20 PM - 07:25 PM	50.9	48.3	10:00 PM - 10:05 PM	64.3	55.9	12:40 AM - 12:45 AM	52.7	52.0
07:25 PM - 07:30 PM	50.8	48.5	10:05 PM - 10:10 PM	55.6	53.4	12:45 AM - 12:50 AM	52.8	52.2
07:30 PM - 07:35 PM	51.5	48.4	10:10 PM - 10:15 PM	57.4	53.4	12:50 AM - 12:55 AM	52.7	51.7
07:35 PM - 07:40 PM	51.6	48.8	10:15 PM - 10:20 PM	58.8	53.9	12:55 AM - 01:00 AM	52.2	51.4
07:40 PM - 07:45 PM	50.8	48.8	10:20 PM - 10:25 PM	63.3	54.7	01:00 AM - 01:05 AM	53.2	52.7
07:45 PM - 07:50 PM	51.6	48.3	10:25 PM - 10:30 PM	59.8	54.7	01:05 AM - 01:10 AM	52.7	51.9
07:50 PM - 07:55 PM	56.6	51.9	10:30 PM - 10:35 PM	57.9	53.7	01:10 AM - 01:15 AM	52.2	51.4
07:55 PM - 08:00 PM	54.6	51.7	10:35 PM - 10:40 PM	63.3	54.2	01:15 AM - 01:20 AM	52.2	51.1
08:00 PM - 08:05 PM	53.6	49.5	10:40 PM - 10:45 PM	55.5	53.9	01:20 AM - 01:25 AM	52.2	51.3
08:05 PM - 08:10 PM	59.4	52.0	10:45 PM - 10:50 PM	64.7	54.4	01:25 AM - 01:30 AM	52.2	51.3
08:10 PM - 08:15 PM	59.7	51.0	10:50 PM - 10:55 PM	56.1	53.9	01:30 AM - 01:35 AM	52.6	51.9
08:15 PM - 08:20 PM	53.6	47.5	10:55 PM - 11:00 PM	60.0	54.2	01:35 AM - 01:40 AM	52.7	52.0
08:20 PM - 08:25 PM	50.0	47.7	11:00 PM - 11:05 PM	59.0	54.7	01:40 AM - 01:45 AM	52.8	51.9
08:25 PM - 08:30 PM	52.7	48.1	11:05 PM - 11:10 PM	56.8	53.7	01:45 AM - 01:50 AM	53.7	53.1
08:30 PM - 08:35 PM	50.8	48.1	11:10 PM - 11:15 PM	55.8	53.8	01:50 AM - 01:55 AM	53.5	52.7
08:35 PM - 08:40 PM	52.0	48.9	11:15 PM - 11:20 PM	57.4	55.3	01:55 AM - 02:00 AM	55.5	55.0

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Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439599-1 C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595681-9
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 18 - Oct 19, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	54.6	51.4	04:40 AM - 04:45 AM	50.2	49.1	07:20 AM - 07:25 AM	56.2	50.1
02:05 AM - 02:10 AM	52.0	51.2	04:45 AM - 04:50 AM	50.3	49.3	07:25 AM - 07:30 AM	52.3	50.1
02:10 AM - 02:15 AM	52.3	51.2	04:50 AM - 04:55 AM	50.2	49.4	07:30 AM - 07:35 AM	53.1	50.6
02:15 AM - 02:20 AM	52.4	51.6	04:55 AM - 05:00 AM	50.9	49.4	07:35 AM - 07:40 AM	52.5	50.4
02:20 AM - 02:25 AM	51.8	50.9	05:00 AM - 05:05 AM	51.4	49.3	07:40 AM - 07:45 AM	53.2	50.3
02:25 AM - 02:30 AM	52.2	51.1	05:05 AM - 05:10 AM	49.8	49.2	07:45 AM - 07:50 AM	52.8	50.8
02:30 AM - 02:35 AM	51.6	50.7	05:10 AM - 05:15 AM	50.8	49.4	07:50 AM - 07:55 AM	53.1	51.0
02:35 AM - 02:40 AM	52.1	51.3	05:15 AM - 05:20 AM	50.5	49.7	07:55 AM - 08:00 AM	53.3	51.3
02:40 AM - 02:45 AM	51.5	50.8	05:20 AM - 05:25 AM	51.2	49.7	08:00 AM - 08:05 AM	52.0	50.9
02:45 AM - 02:50 AM	51.9	51.2	05:25 AM - 05:30 AM	51.4	49.7	08:05 AM - 08:10 AM	52.5	51.0
02:50 AM - 02:55 AM	52.1	50.7	05:30 AM - 05:35 AM	53.3	50.9	08:10 AM - 08:15 AM	52.3	50.9
02:55 AM - 03:00 AM	51.4	50.4	05:35 AM - 05:40 AM	51.8	49.8	08:15 AM - 08:20 AM	52.4	50.9
03:00 AM - 03:05 AM	50.9	50.2	05:40 AM - 05:45 AM	50.1	49.3	08:20 AM - 08:25 AM	52.0	51.0
03:05 AM - 03:10 AM	50.8	50.2	05:45 AM - 05:50 AM	50.9	48.8	08:25 AM - 08:30 AM	52.1	51.0
03:10 AM - 03:15 AM	51.1	50.0	05:50 AM - 05:55 AM	49.8	49.1	08:30 AM - 08:35 AM	52.7	51.5
03:15 AM - 03:20 AM	51.9	50.9	05:55 AM - 06:00 AM	52.8	50.4	08:35 AM - 08:40 AM	52.5	51.3
03:20 AM - 03:25 AM	51.7	50.1	06:00 AM - 06:05 AM	51.7	50.5	08:40 AM - 08:45 AM	52.6	51.4
03:25 AM - 03:30 AM	51.4	50.7	06:05 AM - 06:10 AM	52.5	50.5	08:45 AM - 08:50 AM	52.6	51.4
03:30 AM - 03:35 AM	50.8	50.0	06:10 AM - 06:15 AM	51.5	49.7	08:50 AM - 08:55 AM	52.8	51.3
03:35 AM - 03:40 AM	51.2	50.0	06:15 AM - 06:20 AM	51.5	49.4	08:55 AM - 09:00 AM	52.8	51.4
03:40 AM - 03:45 AM	50.7	50.1	06:20 AM - 06:25 AM	53.6	49.9	09:00 AM - 09:05 AM	53.4	51.8
03:45 AM - 03:50 AM	50.6	50.0	06:25 AM - 06:30 AM	53.2	50.4	09:05 AM - 09:10 AM	52.4	51.3
03:50 AM - 03:55 AM	50.5	49.7	06:30 AM - 06:35 AM	53.0	49.9	09:10 AM - 09:15 AM	54.1	51.2
03:55 AM - 04:00 AM	49.9	49.2	06:35 AM - 06:40 AM	52.7	49.9	09:15 AM - 09:20 AM	52.2	50.5
04:00 AM - 04:05 AM	49.2	48.8	06:40 AM - 06:45 AM	53.0	49.9	09:20 AM - 09:25 AM	51.1	49.9
04:05 AM - 04:10 AM	49.4	48.8	06:45 AM - 06:50 AM	52.2	50.2	09:25 AM - 09:30 AM	53.3	50.2
04:10 AM - 04:15 AM	50.2	49.3	06:50 AM - 06:55 AM	53.1	50.5	09:30 AM - 09:35 AM	52.0	49.5
04:15 AM - 04:20 AM	49.9	49.3	06:55 AM - 07:00 AM	53.3	50.3	09:35 AM - 09:40 AM	51.1	49.6
04:20 AM - 04:25 AM	50.1	49.6	07:00 AM - 07:05 AM	52.3	50.0	09:40 AM - 09:45 AM	51.1	49.4
04:25 AM - 04:30 AM	50.3	49.6	07:05 AM - 07:10 AM	53.1	49.8	09:45 AM - 09:50 AM	51.7	49.3
04:30 AM - 04:35 AM	49.8	49.0	07:10 AM - 07:15 AM	52.9	50.0	09:50 AM - 09:55 AM	52.7	50.1
04:35 AM - 04:40 AM	50.1	49.1	07:15 AM - 07:20 AM	54.2	50.1	09:55 AM - 10:00 AM	52.9	50.1

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439600-1 C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595681-10
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 19 - Oct 20, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	51.1	49.0	12:40 PM - 12:45 PM	46.9	45.4	03:20 PM - 03:25 PM	46.1	44.7
10:05 AM - 10:10 AM	50.0	48.3	12:45 PM - 12:50 PM	47.9	45.8	03:25 PM - 03:30 PM	46.6	44.9
10:10 AM - 10:15 AM	50.2	48.0	12:50 PM - 12:55 PM	48.1	45.8	03:30 PM - 03:35 PM	49.0	45.2
10:15 AM - 10:20 AM	49.8	48.1	12:55 PM - 01:00 PM	49.7	46.0	03:35 PM - 03:40 PM	49.5	45.4
10:20 AM - 10:25 AM	50.2	48.2	01:00 PM - 01:05 PM	48.8	46.2	03:40 PM - 03:45 PM	48.0	44.9
10:25 AM - 10:30 AM	52.3	48.3	01:05 PM - 01:10 PM	48.8	46.3	03:45 PM - 03:50 PM	47.5	45.4
10:30 AM - 10:35 AM	50.8	48.2	01:10 PM - 01:15 PM	48.3	46.0	03:50 PM - 03:55 PM	47.1	44.8
10:35 AM - 10:40 AM	50.7	48.3	01:15 PM - 01:20 PM	48.0	45.7	03:55 PM - 04:00 PM	46.9	44.2
10:40 AM - 10:45 AM	50.4	48.4	01:20 PM - 01:25 PM	48.0	45.4	04:00 PM - 04:05 PM	46.7	44.4
10:45 AM - 10:50 AM	50.5	48.0	01:25 PM - 01:30 PM	46.8	44.7	04:05 PM - 04:10 PM	47.8	43.9
10:50 AM - 10:55 AM	52.2	49.4	01:30 PM - 01:35 PM	47.2	45.9	04:10 PM - 04:15 PM	46.1	44.5
10:55 AM - 11:00 AM	52.4	50.1	01:35 PM - 01:40 PM	48.6	46.7	04:15 PM - 04:20 PM	45.8	44.7
11:00 AM - 11:05 AM	51.3	48.4	01:40 PM - 01:45 PM	47.7	46.1	04:20 PM - 04:25 PM	45.9	44.8
11:05 AM - 11:10 AM	49.3	47.7	01:45 PM - 01:50 PM	46.9	44.9	04:25 PM - 04:30 PM	44.8	43.6
11:10 AM - 11:15 AM	48.8	47.3	01:50 PM - 01:55 PM	46.7	45.4	04:30 PM - 04:35 PM	45.9	44.0
11:15 AM - 11:20 AM	49.0	47.0	01:55 PM - 02:00 PM	48.2	45.9	04:35 PM - 04:40 PM	47.4	44.2
11:20 AM - 11:25 AM	50.1	47.6	02:00 PM - 02:05 PM	49.1	45.8	04:40 PM - 04:45 PM	46.8	44.3
11:25 AM - 11:30 AM	49.2	46.6	02:05 PM - 02:10 PM	46.4	45.2	04:45 PM - 04:50 PM	46.4	44.2
11:30 AM - 11:35 AM	48.5	46.9	02:10 PM - 02:15 PM	46.9	45.6	04:50 PM - 04:55 PM	46.5	44.5
11:35 AM - 11:40 AM	49.8	47.0	02:15 PM - 02:20 PM	47.1	45.5	04:55 PM - 05:00 PM	45.4	43.5
11:40 AM - 11:45 AM	51.0	47.3	02:20 PM - 02:25 PM	46.4	44.7	05:00 PM - 05:05 PM	52.6	44.0
11:45 AM - 11:50 AM	47.2	46.0	02:25 PM - 02:30 PM	48.5	44.6	05:05 PM - 05:10 PM	47.0	44.8
11:50 AM - 11:55 AM	50.6	46.1	02:30 PM - 02:35 PM	46.7	43.9	05:10 PM - 05:15 PM	47.9	45.7
11:55 AM - 12:00 PM	52.7	46.2	02:35 PM - 02:40 PM	46.3	44.2	05:15 PM - 05:20 PM	47.9	45.6
12:00 PM - 12:05 PM	51.9	46.2	02:40 PM - 02:45 PM	58.1	44.5	05:20 PM - 05:25 PM	47.1	45.0
12:05 PM - 12:10 PM	52.6	46.0	02:45 PM - 02:50 PM	47.8	44.6	05:25 PM - 05:30 PM	47.3	44.8
12:10 PM - 12:15 PM	47.0	45.5	02:50 PM - 02:55 PM	47.3	45.7	05:30 PM - 05:35 PM	50.4	45.1
12:15 PM - 12:20 PM	47.9	45.4	02:55 PM - 03:00 PM	48.1	45.0	05:35 PM - 05:40 PM	49.9	45.9
12:20 PM - 12:25 PM	47.4	45.5	03:00 PM - 03:05 PM	48.1	46.0	05:40 PM - 05:45 PM	53.7	46.3
12:25 PM - 12:30 PM	50.5	46.2	03:05 PM - 03:10 PM	49.0	45.7	05:45 PM - 05:50 PM	50.0	46.4
12:30 PM - 12:35 PM	49.1	46.5	03:10 PM - 03:15 PM	46.8	45.1	05:50 PM - 05:55 PM	49.7	46.2
12:35 PM - 12:40 PM	47.3	45.5	03:15 PM - 03:20 PM	47.4	46.1	05:55 PM - 06:00 PM	47.2	44.9

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Sarayuth Jittranont
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439600-1 C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595681-10
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 19 - Oct 20, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 19, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 19 - Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	45.8	44.7	08:40 PM - 08:45 PM	49.8	47.0	11:20 PM - 11:25 PM	58.1	52.4
06:05 PM - 06:10 PM	47.4	45.6	08:45 PM - 08:50 PM	52.3	47.8	11:25 PM - 11:30 PM	57.9	52.3
06:10 PM - 06:15 PM	46.1	43.9	08:50 PM - 08:55 PM	50.1	48.3	11:30 PM - 11:35 PM	52.5	51.8
06:15 PM - 06:20 PM	47.2	44.7	08:55 PM - 09:00 PM	49.9	48.4	11:35 PM - 11:40 PM	52.2	51.6
06:20 PM - 06:25 PM	46.3	44.9	09:00 PM - 09:05 PM	52.4	49.9	11:40 PM - 11:45 PM	52.5	51.8
06:25 PM - 06:30 PM	47.5	45.2	09:05 PM - 09:10 PM	53.5	52.0	11:45 PM - 11:50 PM	52.8	51.9
06:30 PM - 06:35 PM	46.6	45.2	09:10 PM - 09:15 PM	53.3	51.1	11:50 PM - 11:55 PM	52.0	51.4
06:35 PM - 06:40 PM	47.5	45.6	09:15 PM - 09:20 PM	53.6	52.4	11:55 PM - 12:00 AM	53.3	51.3
06:40 PM - 06:45 PM	47.2	45.9	09:20 PM - 09:25 PM	55.5	54.2	12:00 AM - 12:05 AM	52.1	51.3
06:45 PM - 06:50 PM	47.4	44.8	09:25 PM - 09:30 PM	56.8	55.9	12:05 AM - 12:10 AM	53.0	51.6
06:50 PM - 06:55 PM	46.9	44.4	09:30 PM - 09:35 PM	56.9	56.1	12:10 AM - 12:15 AM	52.7	51.8
06:55 PM - 07:00 PM	47.6	44.8	09:35 PM - 09:40 PM	57.3	55.2	12:15 AM - 12:20 AM	52.8	52.1
07:00 PM - 07:05 PM	46.9	44.0	09:40 PM - 09:45 PM	55.1	54.0	12:20 AM - 12:25 AM	52.5	51.7
07:05 PM - 07:10 PM	46.4	44.4	09:45 PM - 09:50 PM	55.8	54.1	12:25 AM - 12:30 AM	52.7	52.0
07:10 PM - 07:15 PM	47.0	45.3	09:50 PM - 09:55 PM	55.0	53.8	12:30 AM - 12:35 AM	53.0	52.0
07:15 PM - 07:20 PM	47.8	45.3	09:55 PM - 10:00 PM	56.7	54.1	12:35 AM - 12:40 AM	53.0	52.1
07:20 PM - 07:25 PM	48.1	46.1	10:00 PM - 10:05 PM	62.2	52.6	12:40 AM - 12:45 AM	56.2	52.5
07:25 PM - 07:30 PM	47.2	45.0	10:05 PM - 10:10 PM	53.4	51.7	12:45 AM - 12:50 AM	53.6	52.4
07:30 PM - 07:35 PM	47.8	44.0	10:10 PM - 10:15 PM	54.9	51.6	12:50 AM - 12:55 AM	53.9	52.4
07:35 PM - 07:40 PM	45.3	43.9	10:15 PM - 10:20 PM	58.4	52.5	12:55 AM - 01:00 AM	54.7	53.7
07:40 PM - 07:45 PM	47.7	44.9	10:20 PM - 10:25 PM	53.6	52.0	01:00 AM - 01:05 AM	54.1	52.9
07:45 PM - 07:50 PM	50.3	46.2	10:25 PM - 10:30 PM	53.9	52.5	01:05 AM - 01:10 AM	53.9	52.6
07:50 PM - 07:55 PM	48.8	45.8	10:30 PM - 10:35 PM	54.8	52.8	01:10 AM - 01:15 AM	53.8	52.8
07:55 PM - 08:00 PM	48.4	45.8	10:35 PM - 10:40 PM	53.6	52.2	01:15 AM - 01:20 AM	53.3	52.3
08:00 PM - 08:05 PM	48.0	45.4	10:40 PM - 10:45 PM	53.6	51.9	01:20 AM - 01:25 AM	53.5	52.1
08:05 PM - 08:10 PM	51.4	47.9	10:45 PM - 10:50 PM	56.0	52.6	01:25 AM - 01:30 AM	53.5	52.1
08:10 PM - 08:15 PM	53.7	49.3	10:50 PM - 10:55 PM	58.2	53.2	01:30 AM - 01:35 AM	53.8	52.2
08:15 PM - 08:20 PM	53.4	49.0	10:55 PM - 11:00 PM	56.9	52.6	01:35 AM - 01:40 AM	52.8	50.9
08:20 PM - 08:25 PM	51.3	48.6	11:00 PM - 11:05 PM	58.0	52.6	01:40 AM - 01:45 AM	51.2	50.4
08:25 PM - 08:30 PM	48.5	47.4	11:05 PM - 11:10 PM	57.1	52.0	01:45 AM - 01:50 AM	51.6	50.2
08:30 PM - 08:35 PM	49.0	47.4	11:10 PM - 11:15 PM	59.4	52.1	01:50 AM - 01:55 AM	52.2	50.1
08:35 PM - 08:40 PM	49.6	47.9	11:15 PM - 11:20 PM	53.0	52.2	01:55 AM - 02:00 AM	51.7	49.8

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Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439600-1 C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample Number 2595681-10
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 19 - Oct 20, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	52.7	50.2	04:40 AM - 04:45 AM	49.7	48.8	07:20 AM - 07:25 AM	49.7	48.6
02:05 AM - 02:10 AM	54.1	52.2	04:45 AM - 04:50 AM	49.5	48.6	07:25 AM - 07:30 AM	50.2	49.2
02:10 AM - 02:15 AM	54.0	52.1	04:50 AM - 04:55 AM	49.1	48.3	07:30 AM - 07:35 AM	50.3	49.4
02:15 AM - 02:20 AM	53.6	50.3	04:55 AM - 05:00 AM	49.3	48.3	07:35 AM - 07:40 AM	50.5	49.5
02:20 AM - 02:25 AM	52.6	50.3	05:00 AM - 05:05 AM	49.3	48.5	07:40 AM - 07:45 AM	50.4	49.6
02:25 AM - 02:30 AM	52.5	50.3	05:05 AM - 05:10 AM	49.1	48.5	07:45 AM - 07:50 AM	50.1	49.4
02:30 AM - 02:35 AM	53.1	50.2	05:10 AM - 05:15 AM	49.0	48.4	07:50 AM - 07:55 AM	50.2	49.4
02:35 AM - 02:40 AM	52.4	50.1	05:15 AM - 05:20 AM	49.3	48.5	07:55 AM - 08:00 AM	50.6	49.4
02:40 AM - 02:45 AM	52.1	50.0	05:20 AM - 05:25 AM	49.2	48.1	08:00 AM - 08:05 AM	51.3	49.8
02:45 AM - 02:50 AM	51.9	49.9	05:25 AM - 05:30 AM	48.7	47.8	08:05 AM - 08:10 AM	50.4	49.5
02:50 AM - 02:55 AM	51.9	50.0	05:30 AM - 05:35 AM	48.8	48.1	08:10 AM - 08:15 AM	50.6	49.5
02:55 AM - 03:00 AM	52.0	49.9	05:35 AM - 05:40 AM	48.9	48.0	08:15 AM - 08:20 AM	51.2	49.9
03:00 AM - 03:05 AM	51.5	49.4	05:40 AM - 05:45 AM	49.3	48.6	08:20 AM - 08:25 AM	51.9	50.1
03:05 AM - 03:10 AM	51.3	49.2	05:45 AM - 05:50 AM	49.4	48.7	08:25 AM - 08:30 AM	51.4	50.3
03:10 AM - 03:15 AM	50.8	48.9	05:50 AM - 05:55 AM	49.9	49.2	08:30 AM - 08:35 AM	51.4	50.0
03:15 AM - 03:20 AM	52.0	49.6	05:55 AM - 06:00 AM	50.2	49.4	08:35 AM - 08:40 AM	51.9	50.5
03:20 AM - 03:25 AM	51.5	49.1	06:00 AM - 06:05 AM	50.1	49.3	08:40 AM - 08:45 AM	54.4	50.8
03:25 AM - 03:30 AM	51.4	48.9	06:05 AM - 06:10 AM	50.1	49.3	08:45 AM - 08:50 AM	53.9	51.5
03:30 AM - 03:35 AM	51.9	49.2	06:10 AM - 06:15 AM	50.2	49.5	08:50 AM - 08:55 AM	53.4	52.2
03:35 AM - 03:40 AM	52.0	49.4	06:15 AM - 06:20 AM	50.1	49.3	08:55 AM - 09:00 AM	53.3	51.4
03:40 AM - 03:45 AM	51.7	49.4	06:20 AM - 06:25 AM	49.6	49.1	09:00 AM - 09:05 AM	52.6	51.5
03:45 AM - 03:50 AM	51.7	49.4	06:25 AM - 06:30 AM	49.6	49.1	09:05 AM - 09:10 AM	53.2	51.4
03:50 AM - 03:55 AM	51.6	49.1	06:30 AM - 06:35 AM	49.7	49.2	09:10 AM - 09:15 AM	53.2	51.0
03:55 AM - 04:00 AM	49.8	48.6	06:35 AM - 06:40 AM	49.8	49.1	09:15 AM - 09:20 AM	53.8	51.5
04:00 AM - 04:05 AM	49.3	48.3	06:40 AM - 06:45 AM	50.1	49.4	09:20 AM - 09:25 AM	53.8	51.5
04:05 AM - 04:10 AM	50.6	48.7	06:45 AM - 06:50 AM	50.1	49.4	09:25 AM - 09:30 AM	54.0	51.6
04:10 AM - 04:15 AM	50.0	48.6	06:50 AM - 06:55 AM	50.1	49.2	09:30 AM - 09:35 AM	55.5	52.4
04:15 AM - 04:20 AM	49.8	48.2	06:55 AM - 07:00 AM	50.0	49.1	09:35 AM - 09:40 AM	54.8	52.0
04:20 AM - 04:25 AM	50.0	48.3	07:00 AM - 07:05 AM	49.6	48.6	09:40 AM - 09:45 AM	55.3	52.1
04:25 AM - 04:30 AM	50.4	48.8	07:05 AM - 07:10 AM	50.2	49.1	09:45 AM - 09:50 AM	55.6	52.2
04:30 AM - 04:35 AM	50.2	48.6	07:10 AM - 07:15 AM	50.4	49.2	09:50 AM - 09:55 AM	56.1	52.3
04:35 AM - 04:40 AM	49.9	49.0	07:15 AM - 07:20 AM	50.4	49.2	09:55 AM - 10:00 AM	57.9	52.4

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Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439601-1 C8

Sample Number 2595681-11
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 20 - Oct 21, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	55.3	52.0	12:40 PM - 12:45 PM	48.5	47.1	03:20 PM - 03:25 PM	47.9	45.9
10:05 AM - 10:10 AM	54.9	51.7	12:45 PM - 12:50 PM	49.3	46.5	03:25 PM - 03:30 PM	47.9	46.3
10:10 AM - 10:15 AM	54.5	51.8	12:50 PM - 12:55 PM	48.3	46.8	03:30 PM - 03:35 PM	48.9	46.2
10:15 AM - 10:20 AM	54.5	51.8	12:55 PM - 01:00 PM	47.5	46.0	03:35 PM - 03:40 PM	47.7	46.1
10:20 AM - 10:25 AM	55.7	52.3	01:00 PM - 01:05 PM	48.7	46.2	03:40 PM - 03:45 PM	52.2	46.3
10:25 AM - 10:30 AM	57.1	51.6	01:05 PM - 01:10 PM	47.7	45.9	03:45 PM - 03:50 PM	49.0	47.1
10:30 AM - 10:35 AM	55.4	51.8	01:10 PM - 01:15 PM	47.1	45.1	03:50 PM - 03:55 PM	50.9	47.1
10:35 AM - 10:40 AM	53.9	51.2	01:15 PM - 01:20 PM	49.1	46.4	03:55 PM - 04:00 PM	50.6	47.2
10:40 AM - 10:45 AM	53.7	50.6	01:20 PM - 01:25 PM	49.0	47.0	04:00 PM - 04:05 PM	48.3	46.2
10:45 AM - 10:50 AM	52.0	49.7	01:25 PM - 01:30 PM	47.4	46.0	04:05 PM - 04:10 PM	47.5	45.9
10:50 AM - 10:55 AM	52.8	50.2	01:30 PM - 01:35 PM	48.1	45.6	04:10 PM - 04:15 PM	48.8	46.7
10:55 AM - 11:00 AM	56.7	50.5	01:35 PM - 01:40 PM	48.3	46.1	04:15 PM - 04:20 PM	50.3	47.6
11:00 AM - 11:05 AM	57.5	49.6	01:40 PM - 01:45 PM	48.0	46.1	04:20 PM - 04:25 PM	48.9	47.1
11:05 AM - 11:10 AM	50.3	49.0	01:45 PM - 01:50 PM	47.5	45.5	04:25 PM - 04:30 PM	48.7	46.3
11:10 AM - 11:15 AM	52.4	49.5	01:50 PM - 01:55 PM	47.8	46.2	04:30 PM - 04:35 PM	47.2	46.0
11:15 AM - 11:20 AM	50.0	48.6	01:55 PM - 02:00 PM	47.4	46.0	04:35 PM - 04:40 PM	47.2	45.8
11:20 AM - 11:25 AM	51.5	49.0	02:00 PM - 02:05 PM	47.6	46.3	04:40 PM - 04:45 PM	48.5	45.9
11:25 AM - 11:30 AM	50.9	49.0	02:05 PM - 02:10 PM	47.8	46.1	04:45 PM - 04:50 PM	47.5	46.1
11:30 AM - 11:35 AM	50.3	48.7	02:10 PM - 02:15 PM	53.4	47.4	04:50 PM - 04:55 PM	48.1	46.4
11:35 AM - 11:40 AM	53.4	50.5	02:15 PM - 02:20 PM	54.0	47.1	04:55 PM - 05:00 PM	49.2	47.0
11:40 AM - 11:45 AM	50.1	48.5	02:20 PM - 02:25 PM	49.3	47.2	05:00 PM - 05:05 PM	51.3	47.6
11:45 AM - 11:50 AM	50.6	48.6	02:25 PM - 02:30 PM	49.8	47.5	05:05 PM - 05:10 PM	49.9	47.6
11:50 AM - 11:55 AM	50.1	48.3	02:30 PM - 02:35 PM	47.6	46.5	05:10 PM - 05:15 PM	48.9	46.8
11:55 AM - 12:00 PM	49.6	48.3	02:35 PM - 02:40 PM	48.5	46.3	05:15 PM - 05:20 PM	47.8	46.0
12:00 PM - 12:05 PM	50.0	47.9	02:40 PM - 02:45 PM	48.3	47.0	05:20 PM - 05:25 PM	49.1	46.9
12:05 PM - 12:10 PM	50.4	48.1	02:45 PM - 02:50 PM	47.9	46.2	05:25 PM - 05:30 PM	48.8	46.7
12:10 PM - 12:15 PM	49.8	47.4	02:50 PM - 02:55 PM	48.7	47.4	05:30 PM - 05:35 PM	50.1	47.0
12:15 PM - 12:20 PM	49.0	47.4	02:55 PM - 03:00 PM	49.6	46.4	05:35 PM - 05:40 PM	51.7	48.0
12:20 PM - 12:25 PM	50.8	47.6	03:00 PM - 03:05 PM	48.7	46.1	05:40 PM - 05:45 PM	50.1	47.9
12:25 PM - 12:30 PM	50.2	47.6	03:05 PM - 03:10 PM	49.8	46.6	05:45 PM - 05:50 PM	50.7	48.1
12:30 PM - 12:35 PM	50.2	47.5	03:10 PM - 03:15 PM	47.7	46.0	05:50 PM - 05:55 PM	49.4	47.6
12:35 PM - 12:40 PM	50.2	47.5	03:15 PM - 03:20 PM	49.3	47.0	05:55 PM - 06:00 PM	52.9	48.0

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439601-1 C8

Sample Number 2595681-11
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 20 - Oct 21, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 20, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 20 - Oct 21, 2025 Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	52.4	49.3	08:40 PM - 08:45 PM	50.8	49.6	11:20 PM - 11:25 PM	63.1	54.1
06:05 PM - 06:10 PM	53.4	51.2	08:45 PM - 08:50 PM	51.8	50.1	11:25 PM - 11:30 PM	54.3	53.0
06:10 PM - 06:15 PM	52.4	50.6	08:50 PM - 08:55 PM	51.7	50.1	11:30 PM - 11:35 PM	53.8	52.3
06:15 PM - 06:20 PM	56.8	50.5	08:55 PM - 09:00 PM	52.1	50.5	11:35 PM - 11:40 PM	54.1	52.4
06:20 PM - 06:25 PM	54.2	51.3	09:00 PM - 09:05 PM	51.5	49.6	11:40 PM - 11:45 PM	58.9	53.3
06:25 PM - 06:30 PM	53.0	51.1	09:05 PM - 09:10 PM	53.3	50.2	11:45 PM - 11:50 PM	53.9	52.8
06:30 PM - 06:35 PM	53.1	51.2	09:10 PM - 09:15 PM	52.3	50.4	11:50 PM - 11:55 PM	54.4	53.0
06:35 PM - 06:40 PM	54.7	51.7	09:15 PM - 09:20 PM	55.7	52.9	11:55 PM - 12:00 AM	55.8	53.5
06:40 PM - 06:45 PM	52.3	50.9	09:20 PM - 09:25 PM	55.1	53.9	12:00 AM - 12:05 AM	53.7	52.3
06:45 PM - 06:50 PM	53.3	50.6	09:25 PM - 09:30 PM	56.1	55.3	12:05 AM - 12:10 AM	57.1	53.1
06:50 PM - 06:55 PM	52.3	51.2	09:30 PM - 09:35 PM	56.7	55.5	12:10 AM - 12:15 AM	57.2	54.5
06:55 PM - 07:00 PM	51.4	49.9	09:35 PM - 09:40 PM	56.3	55.3	12:15 AM - 12:20 AM	54.0	52.6
07:00 PM - 07:05 PM	52.1	50.7	09:40 PM - 09:45 PM	55.7	54.8	12:20 AM - 12:25 AM	53.1	51.8
07:05 PM - 07:10 PM	54.0	51.5	09:45 PM - 09:50 PM	55.8	54.3	12:25 AM - 12:30 AM	52.6	51.6
07:10 PM - 07:15 PM	53.2	51.4	09:50 PM - 09:55 PM	56.7	54.8	12:30 AM - 12:35 AM	52.8	51.7
07:15 PM - 07:20 PM	54.4	51.5	09:55 PM - 10:00 PM	57.3	54.2	12:35 AM - 12:40 AM	53.1	52.0
07:20 PM - 07:25 PM	56.9	51.5	10:00 PM - 10:05 PM	57.8	54.5	12:40 AM - 12:45 AM	53.4	52.3
07:25 PM - 07:30 PM	55.6	51.6	10:05 PM - 10:10 PM	57.1	53.3	12:45 AM - 12:50 AM	53.9	52.4
07:30 PM - 07:35 PM	54.7	51.1	10:10 PM - 10:15 PM	57.1	54.0	12:50 AM - 12:55 AM	52.8	51.8
07:35 PM - 07:40 PM	54.5	50.9	10:15 PM - 10:20 PM	54.7	53.4	12:55 AM - 01:00 AM	52.5	51.5
07:40 PM - 07:45 PM	52.3	50.3	10:20 PM - 10:25 PM	55.4	53.4	01:00 AM - 01:05 AM	53.1	51.5
07:45 PM - 07:50 PM	51.7	50.2	10:25 PM - 10:30 PM	54.7	53.1	01:05 AM - 01:10 AM	53.3	51.7
07:50 PM - 07:55 PM	54.9	50.1	10:30 PM - 10:35 PM	55.4	53.6	01:10 AM - 01:15 AM	53.3	51.7
07:55 PM - 08:00 PM	54.4	52.4	10:35 PM - 10:40 PM	55.3	53.5	01:15 AM - 01:20 AM	52.2	51.1
08:00 PM - 08:05 PM	54.5	51.9	10:40 PM - 10:45 PM	55.1	53.7	01:20 AM - 01:25 AM	52.7	51.1
08:05 PM - 08:10 PM	57.0	50.4	10:45 PM - 10:50 PM	56.4	55.2	01:25 AM - 01:30 AM	53.1	51.5
08:10 PM - 08:15 PM	57.6	52.2	10:50 PM - 10:55 PM	55.4	53.4	01:30 AM - 01:35 AM	53.3	51.7
08:15 PM - 08:20 PM	55.3	50.3	10:55 PM - 11:00 PM	56.5	54.1	01:35 AM - 01:40 AM	52.1	50.4
08:20 PM - 08:25 PM	51.5	48.8	11:00 PM - 11:05 PM	58.1	53.8	01:40 AM - 01:45 AM	52.0	50.5
08:25 PM - 08:30 PM	53.4	50.6	11:05 PM - 11:10 PM	55.2	53.6	01:45 AM - 01:50 AM	52.0	50.7
08:30 PM - 08:35 PM	52.1	50.0	11:10 PM - 11:15 PM	55.0	54.1	01:50 AM - 01:55 AM	50.9	50.3
08:35 PM - 08:40 PM	51.7	49.5	11:15 PM - 11:20 PM	59.0	54.1	01:55 AM - 02:00 AM	51.3	50.5

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439601-1 C8

Sample Number 2595681-11
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 20 - Oct 21, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 21, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 21, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 21, 2025 Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	51.0	50.4	04:40 AM - 04:45 AM	51.4	50.6	07:20 AM - 07:25 AM	50.6	49.0
02:05 AM - 02:10 AM	51.6	50.7	04:45 AM - 04:50 AM	51.4	50.6	07:25 AM - 07:30 AM	50.0	49.1
02:10 AM - 02:15 AM	51.9	50.6	04:50 AM - 04:55 AM	51.1	50.5	07:30 AM - 07:35 AM	50.2	49.3
02:15 AM - 02:20 AM	57.9	50.5	04:55 AM - 05:00 AM	51.5	50.7	07:35 AM - 07:40 AM	50.5	49.3
02:20 AM - 02:25 AM	51.3	50.5	05:00 AM - 05:05 AM	51.1	50.5	07:40 AM - 07:45 AM	49.8	48.7
02:25 AM - 02:30 AM	51.8	50.6	05:05 AM - 05:10 AM	50.7	50.1	07:45 AM - 07:50 AM	50.1	49.0
02:30 AM - 02:35 AM	52.0	50.7	05:10 AM - 05:15 AM	50.4	49.9	07:50 AM - 07:55 AM	50.6	48.9
02:35 AM - 02:40 AM	52.6	51.1	05:15 AM - 05:20 AM	50.2	49.6	07:55 AM - 08:00 AM	50.7	49.4
02:40 AM - 02:45 AM	52.2	51.3	05:20 AM - 05:25 AM	50.3	49.6	08:00 AM - 08:05 AM	50.5	49.2
02:45 AM - 02:50 AM	52.5	51.4	05:25 AM - 05:30 AM	50.0	49.4	08:05 AM - 08:10 AM	50.7	49.3
02:50 AM - 02:55 AM	51.9	50.8	05:30 AM - 05:35 AM	49.7	49.2	08:10 AM - 08:15 AM	50.6	49.1
02:55 AM - 03:00 AM	51.9	50.9	05:35 AM - 05:40 AM	50.2	49.5	08:15 AM - 08:20 AM	51.6	49.7
03:00 AM - 03:05 AM	51.6	50.7	05:40 AM - 05:45 AM	49.9	49.3	08:20 AM - 08:25 AM	52.6	50.4
03:05 AM - 03:10 AM	52.2	51.2	05:45 AM - 05:50 AM	50.5	49.7	08:25 AM - 08:30 AM	51.7	50.5
03:10 AM - 03:15 AM	52.2	50.9	05:50 AM - 05:55 AM	51.1	50.4	08:30 AM - 08:35 AM	52.5	51.2
03:15 AM - 03:20 AM	52.4	51.3	05:55 AM - 06:00 AM	51.0	50.2	08:35 AM - 08:40 AM	53.3	51.3
03:20 AM - 03:25 AM	52.5	51.0	06:00 AM - 06:05 AM	51.1	50.3	08:40 AM - 08:45 AM	54.3	51.9
03:25 AM - 03:30 AM	60.2	52.3	06:05 AM - 06:10 AM	50.3	49.4	08:45 AM - 08:50 AM	52.9	51.7
03:30 AM - 03:35 AM	56.9	52.8	06:10 AM - 06:15 AM	49.6	49.9	08:50 AM - 08:55 AM	53.2	51.7
03:35 AM - 03:40 AM	62.3	52.9	06:15 AM - 06:20 AM	51.0	50.3	08:55 AM - 09:00 AM	53.4	51.8
03:40 AM - 03:45 AM	58.2	52.5	06:20 AM - 06:25 AM	51.7	50.7	09:00 AM - 09:05 AM	53.6	51.9
03:45 AM - 03:50 AM	53.0	52.2	06:25 AM - 06:30 AM	51.4	50.2	09:05 AM - 09:10 AM	53.4	52.1
03:50 AM - 03:55 AM	53.0	51.9	06:30 AM - 06:35 AM	50.9	49.7	09:10 AM - 09:15 AM	54.0	52.2
03:55 AM - 04:00 AM	54.6	52.3	06:35 AM - 06:40 AM	51.3	50.2	09:15 AM - 09:20 AM	54.3	52.0
04:00 AM - 04:05 AM	61.8	52.8	06:40 AM - 06:45 AM	51.1	50.2	09:20 AM - 09:25 AM	54.6	52.2
04:05 AM - 04:10 AM	58.0	51.8	06:45 AM - 06:50 AM	50.0	49.2	09:25 AM - 09:30 AM	53.8	51.8
04:10 AM - 04:15 AM	51.9	51.1	06:50 AM - 06:55 AM	50.4	49.9	09:30 AM - 09:35 AM	54.6	52.3
04:15 AM - 04:20 AM	51.9	51.1	06:55 AM - 07:00 AM	51.3	50.3	09:35 AM - 09:40 AM	55.0	51.8
04:20 AM - 04:25 AM	52.8	51.5	07:00 AM - 07:05 AM	54.4	50.0	09:40 AM - 09:45 AM	53.7	51.5
04:25 AM - 04:30 AM	52.3	51.6	07:05 AM - 07:10 AM	49.5	48.9	09:45 AM - 09:50 AM	55.2	52.3
04:30 AM - 04:35 AM	51.4	50.5	07:10 AM - 07:15 AM	49.6	48.8	09:50 AM - 09:55 AM	55.3	52.3
04:35 AM - 04:40 AM	51.5	50.5	07:15 AM - 07:20 AM	49.9	49.0	09:55 AM - 10:00 AM	56.2	52.9

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Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439602-1 C8

Sample Number 2595681-12
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 21 - Oct 22, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 21, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 21, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 21, 2025 Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	56.5	52.5	12:40 PM - 12:45 PM	47.4	45.6	03:20 PM - 03:25 PM	52.3	47.2
10:05 AM - 10:10 AM	56.2	52.6	12:45 PM - 12:50 PM	50.0	46.0	03:25 PM - 03:30 PM	49.9	47.8
10:10 AM - 10:15 AM	56.5	53.3	12:50 PM - 12:55 PM	49.2	46.2	03:30 PM - 03:35 PM	49.2	48.0
10:15 AM - 10:20 AM	54.8	52.8	12:55 PM - 01:00 PM	49.7	47.2	03:35 PM - 03:40 PM	48.0	46.8
10:20 AM - 10:25 AM	55.7	52.4	01:00 PM - 01:05 PM	47.5	46.4	03:40 PM - 03:45 PM	48.2	46.5
10:25 AM - 10:30 AM	55.6	52.5	01:05 PM - 01:10 PM	47.6	46.2	03:45 PM - 03:50 PM	48.1	46.9
10:30 AM - 10:35 AM	57.6	52.4	01:10 PM - 01:15 PM	48.5	46.4	03:50 PM - 03:55 PM	48.9	47.5
10:35 AM - 10:40 AM	55.0	51.8	01:15 PM - 01:20 PM	49.9	47.4	03:55 PM - 04:00 PM	49.1	47.9
10:40 AM - 10:45 AM	54.6	51.9	01:20 PM - 01:25 PM	49.5	47.4	04:00 PM - 04:05 PM	48.8	47.3
10:45 AM - 10:50 AM	53.0	50.6	01:25 PM - 01:30 PM	48.9	47.7	04:05 PM - 04:10 PM	48.8	47.3
10:50 AM - 10:55 AM	52.2	49.8	01:30 PM - 01:35 PM	50.6	47.7	04:10 PM - 04:15 PM	50.3	47.7
10:55 AM - 11:00 AM	53.1	50.1	01:35 PM - 01:40 PM	49.8	48.2	04:15 PM - 04:20 PM	49.0	47.5
11:00 AM - 11:05 AM	54.3	51.4	01:40 PM - 01:45 PM	49.1	47.7	04:20 PM - 04:25 PM	50.3	47.9
11:05 AM - 11:10 AM	52.3	50.3	01:45 PM - 01:50 PM	49.6	48.6	04:25 PM - 04:30 PM	50.1	48.6
11:10 AM - 11:15 AM	51.9	49.9	01:50 PM - 01:55 PM	49.4	48.1	04:30 PM - 04:35 PM	49.6	48.2
11:15 AM - 11:20 AM	50.7	49.2	01:55 PM - 02:00 PM	49.1	47.9	04:35 PM - 04:40 PM	51.7	47.7
11:20 AM - 11:25 AM	50.5	49.0	02:00 PM - 02:05 PM	48.9	47.6	04:40 PM - 04:45 PM	51.3	49.2
11:25 AM - 11:30 AM	51.9	50.0	02:05 PM - 02:10 PM	49.4	47.7	04:45 PM - 04:50 PM	52.3	48.9
11:30 AM - 11:35 AM	51.1	49.2	02:10 PM - 02:15 PM	49.1	48.2	04:50 PM - 04:55 PM	52.0	48.9
11:35 AM - 11:40 AM	50.9	49.1	02:15 PM - 02:20 PM	48.7	46.9	04:55 PM - 05:00 PM	54.0	48.8
11:40 AM - 11:45 AM	51.3	48.6	02:20 PM - 02:25 PM	49.2	47.7	05:00 PM - 05:05 PM	49.6	48.2
11:45 AM - 11:50 AM	49.1	47.9	02:25 PM - 02:30 PM	49.2	47.9	05:05 PM - 05:10 PM	51.5	48.9
11:50 AM - 11:55 AM	50.2	47.9	02:30 PM - 02:35 PM	48.8	47.7	05:10 PM - 05:15 PM	50.1	48.6
11:55 AM - 12:00 PM	48.9	47.4	02:35 PM - 02:40 PM	49.2	47.7	05:15 PM - 05:20 PM	52.6	48.9
12:00 PM - 12:05 PM	48.3	47.3	02:40 PM - 02:45 PM	49.3	47.5	05:20 PM - 05:25 PM	50.6	48.7
12:05 PM - 12:10 PM	48.5	47.4	02:45 PM - 02:50 PM	48.7	47.5	05:25 PM - 05:30 PM	51.2	49.4
12:10 PM - 12:15 PM	48.5	47.5	02:50 PM - 02:55 PM	48.9	47.2	05:30 PM - 05:35 PM	50.4	49.3
12:15 PM - 12:20 PM	48.8	47.3	02:55 PM - 03:00 PM	48.6	47.1	05:35 PM - 05:40 PM	50.3	48.9
12:20 PM - 12:25 PM	48.7	47.1	03:00 PM - 03:05 PM	48.1	46.5	05:40 PM - 05:45 PM	51.2	49.1
12:25 PM - 12:30 PM	49.4	46.9	03:05 PM - 03:10 PM	49.9	47.7	05:45 PM - 05:50 PM	50.4	49.0
12:30 PM - 12:35 PM	49.1	46.7	03:10 PM - 03:15 PM	48.3	47.1	05:50 PM - 05:55 PM	51.9	49.2
12:35 PM - 12:40 PM	48.5	46.7	03:15 PM - 03:20 PM	47.9	46.8	05:55 PM - 06:00 PM	51.5	49.4

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Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439602-1 C8

Sample Number 2595681-12
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 21 - Oct 22, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 21, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 21, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 21 - Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	50.0	48.7	08:40 PM - 08:45 PM	51.1	49.4	11:20 PM - 11:25 PM	57.7	53.8
06:05 PM - 06:10 PM	51.7	49.1	08:45 PM - 08:50 PM	50.4	49.1	11:25 PM - 11:30 PM	62.3	54.4
06:10 PM - 06:15 PM	50.4	49.0	08:50 PM - 08:55 PM	50.3	49.1	11:30 PM - 11:35 PM	59.2	54.2
06:15 PM - 06:20 PM	49.9	48.6	08:55 PM - 09:00 PM	53.1	50.6	11:35 PM - 11:40 PM	57.4	54.6
06:20 PM - 06:25 PM	50.3	48.8	09:00 PM - 09:05 PM	52.3	50.3	11:40 PM - 11:45 PM	58.3	54.2
06:25 PM - 06:30 PM	51.1	49.3	09:05 PM - 09:10 PM	52.5	50.4	11:45 PM - 11:50 PM	56.2	54.1
06:30 PM - 06:35 PM	50.3	48.9	09:10 PM - 09:15 PM	51.8	50.7	11:50 PM - 11:55 PM	60.1	55.3
06:35 PM - 06:40 PM	52.7	49.0	09:15 PM - 09:20 PM	54.5	52.9	11:55 PM - 12:00 AM	58.4	55.9
06:40 PM - 06:45 PM	50.8	48.9	09:20 PM - 09:25 PM	54.6	53.7	12:00 AM - 12:05 AM	61.4	55.9
06:45 PM - 06:50 PM	52.4	49.2	09:25 PM - 09:30 PM	55.2	54.5	12:05 AM - 12:10 AM	57.1	54.2
06:50 PM - 06:55 PM	53.2	49.5	09:30 PM - 09:35 PM	55.8	54.7	12:10 AM - 12:15 AM	59.4	56.2
06:55 PM - 07:00 PM	50.9	49.1	09:35 PM - 09:40 PM	55.1	54.1	12:15 AM - 12:20 AM	62.1	56.4
07:00 PM - 07:05 PM	54.0	49.7	09:40 PM - 09:45 PM	54.7	53.9	12:20 AM - 12:25 AM	57.0	55.1
07:05 PM - 07:10 PM	51.7	49.4	09:45 PM - 09:50 PM	56.6	54.4	12:25 AM - 12:30 AM	55.4	54.0
07:10 PM - 07:15 PM	52.4	49.3	09:50 PM - 09:55 PM	57.9	54.2	12:30 AM - 12:35 AM	54.4	53.1
07:15 PM - 07:20 PM	50.9	49.2	09:55 PM - 10:00 PM	55.2	54.2	12:35 AM - 12:40 AM	54.4	53.1
07:20 PM - 07:25 PM	51.4	49.4	10:00 PM - 10:05 PM	55.9	54.1	12:40 AM - 12:45 AM	54.6	53.1
07:25 PM - 07:30 PM	52.1	50.3	10:05 PM - 10:10 PM	58.3	54.1	12:45 AM - 12:50 AM	60.8	53.9
07:30 PM - 07:35 PM	52.3	49.8	10:10 PM - 10:15 PM	59.2	54.4	12:50 AM - 12:55 AM	56.3	53.0
07:35 PM - 07:40 PM	53.5	49.9	10:15 PM - 10:20 PM	55.1	53.8	12:55 AM - 01:00 AM	53.5	52.5
07:40 PM - 07:45 PM	50.8	49.2	10:20 PM - 10:25 PM	54.9	53.5	01:00 AM - 01:05 AM	53.0	52.3
07:45 PM - 07:50 PM	51.3	48.8	10:25 PM - 10:30 PM	55.2	54.2	01:05 AM - 01:10 AM	53.0	52.4
07:50 PM - 07:55 PM	52.5	49.5	10:30 PM - 10:35 PM	57.8	54.3	01:10 AM - 01:15 AM	53.5	52.8
07:55 PM - 08:00 PM	55.0	52.1	10:35 PM - 10:40 PM	56.8	53.7	01:15 AM - 01:20 AM	53.1	52.3
08:00 PM - 08:05 PM	53.6	51.0	10:40 PM - 10:45 PM	54.8	53.8	01:20 AM - 01:25 AM	53.2	52.5
08:05 PM - 08:10 PM	56.6	50.6	10:45 PM - 10:50 PM	55.1	53.8	01:25 AM - 01:30 AM	53.3	52.6
08:10 PM - 08:15 PM	56.3	52.0	10:50 PM - 10:55 PM	56.0	54.0	01:30 AM - 01:35 AM	53.4	52.8
08:15 PM - 08:20 PM	54.6	49.6	10:55 PM - 11:00 PM	60.3	55.1	01:35 AM - 01:40 AM	53.1	52.7
08:20 PM - 08:25 PM	50.8	49.4	11:00 PM - 11:05 PM	55.9	54.5	01:40 AM - 01:45 AM	53.3	52.7
08:25 PM - 08:30 PM	52.9	49.7	11:05 PM - 11:10 PM	60.9	54.4	01:45 AM - 01:50 AM	53.0	52.2
08:30 PM - 08:35 PM	53.2	50.0	11:10 PM - 11:15 PM	56.0	54.0	01:50 AM - 01:55 AM	53.3	52.5
08:35 PM - 08:40 PM	51.2	49.3	11:15 PM - 11:20 PM	57.7	53.8	01:55 AM - 02:00 AM	53.2	52.5

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439602-1 C8

Sample Number 2595681-12
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 21 - Oct 22, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	53.4	52.8	04:40 AM - 04:45 AM	52.2	51.6	07:20 AM - 07:25 AM	50.2	49.5
02:05 AM - 02:10 AM	53.4	52.8	04:45 AM - 04:50 AM	52.5	51.6	07:25 AM - 07:30 AM	50.6	49.8
02:10 AM - 02:15 AM	53.8	52.3	04:50 AM - 04:55 AM	52.3	51.4	07:30 AM - 07:35 AM	50.7	50.0
02:15 AM - 02:20 AM	52.8	52.1	04:55 AM - 05:00 AM	52.1	51.1	07:35 AM - 07:40 AM	50.3	49.4
02:20 AM - 02:25 AM	52.5	51.6	05:00 AM - 05:05 AM	51.1	50.6	07:40 AM - 07:45 AM	50.0	49.2
02:25 AM - 02:30 AM	52.7	51.8	05:05 AM - 05:10 AM	50.9	50.4	07:45 AM - 07:50 AM	50.4	49.5
02:30 AM - 02:35 AM	54.3	52.9	05:10 AM - 05:15 AM	51.0	50.5	07:50 AM - 07:55 AM	50.6	49.7
02:35 AM - 02:40 AM	53.7	52.7	05:15 AM - 05:20 AM	51.0	50.5	07:55 AM - 08:00 AM	51.1	49.9
02:40 AM - 02:45 AM	53.3	52.4	05:20 AM - 05:25 AM	51.0	50.5	08:00 AM - 08:05 AM	51.3	50.4
02:45 AM - 02:50 AM	53.1	52.1	05:25 AM - 05:30 AM	50.9	50.4	08:05 AM - 08:10 AM	51.3	50.3
02:50 AM - 02:55 AM	53.3	52.4	05:30 AM - 05:35 AM	51.0	50.5	08:10 AM - 08:15 AM	51.0	50.0
02:55 AM - 03:00 AM	53.2	52.3	05:35 AM - 05:40 AM	50.7	50.3	08:15 AM - 08:20 AM	50.8	49.7
03:00 AM - 03:05 AM	53.3	52.4	05:40 AM - 05:45 AM	50.6	50.1	08:20 AM - 08:25 AM	52.8	50.1
03:05 AM - 03:10 AM	53.3	52.4	05:45 AM - 05:50 AM	50.4	49.9	08:25 AM - 08:30 AM	52.5	50.3
03:10 AM - 03:15 AM	52.6	51.7	05:50 AM - 05:55 AM	50.1	49.6	08:30 AM - 08:35 AM	52.0	50.7
03:15 AM - 03:20 AM	52.5	51.8	05:55 AM - 06:00 AM	50.2	49.6	08:35 AM - 08:40 AM	52.2	51.0
03:20 AM - 03:25 AM	52.7	52.0	06:00 AM - 06:05 AM	50.5	49.7	08:40 AM - 08:45 AM	53.6	51.2
03:25 AM - 03:30 AM	52.6	51.9	06:05 AM - 06:10 AM	50.5	49.7	08:45 AM - 08:50 AM	52.4	51.3
03:30 AM - 03:35 AM	52.5	51.7	06:10 AM - 06:15 AM	50.5	49.8	08:50 AM - 08:55 AM	52.7	51.7
03:35 AM - 03:40 AM	52.3	51.7	06:15 AM - 06:20 AM	50.3	49.5	08:55 AM - 09:00 AM	53.6	52.1
03:40 AM - 03:45 AM	52.1	51.6	06:20 AM - 06:25 AM	50.3	49.4	09:00 AM - 09:05 AM	52.7	51.7
03:45 AM - 03:50 AM	51.9	51.4	06:25 AM - 06:30 AM	51.3	50.0	09:05 AM - 09:10 AM	52.6	51.5
03:50 AM - 03:55 AM	51.9	51.4	06:30 AM - 06:35 AM	50.8	49.8	09:10 AM - 09:15 AM	54.2	52.2
03:55 AM - 04:00 AM	51.9	51.5	06:35 AM - 06:40 AM	50.6	49.6	09:15 AM - 09:20 AM	53.6	51.9
04:00 AM - 04:05 AM	52.1	51.6	06:40 AM - 06:45 AM	49.9	49.5	09:20 AM - 09:25 AM	52.8	51.5
04:05 AM - 04:10 AM	51.7	51.3	06:45 AM - 06:50 AM	50.1	49.5	09:25 AM - 09:30 AM	53.5	51.6
04:10 AM - 04:15 AM	52.3	51.7	06:50 AM - 06:55 AM	49.9	49.4	09:30 AM - 09:35 AM	54.1	51.6
04:15 AM - 04:20 AM	52.2	51.6	06:55 AM - 07:00 AM	50.2	49.6	09:35 AM - 09:40 AM	54.7	51.4
04:20 AM - 04:25 AM	52.1	51.6	07:00 AM - 07:05 AM	50.1	49.5	09:40 AM - 09:45 AM	54.0	51.5
04:25 AM - 04:30 AM	51.9	51.3	07:05 AM - 07:10 AM	49.9	49.4	09:45 AM - 09:50 AM	55.0	51.9
04:30 AM - 04:35 AM	52.1	51.5	07:10 AM - 07:15 AM	50.2	49.5	09:50 AM - 09:55 AM	55.6	52.0
04:35 AM - 04:40 AM	52.4	51.6	07:15 AM - 07:20 AM	50.1	49.3	09:55 AM - 10:00 AM	55.8	52.6

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Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439603-1 C8

Sample Number 2595681-13
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 22 - Oct 23, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	57.6	53.7	12:40 PM - 12:45 PM	51.7	49.1	03:20 PM - 03:25 PM	50.6	49.3
10:05 AM - 10:10 AM	56.9	52.7	12:45 PM - 12:50 PM	51.1	49.4	03:25 PM - 03:30 PM	49.9	48.6
10:10 AM - 10:15 AM	57.2	52.3	12:50 PM - 12:55 PM	51.1	49.3	03:30 PM - 03:35 PM	50.4	49.3
10:15 AM - 10:20 AM	55.1	52.3	12:55 PM - 01:00 PM	51.1	49.3	03:35 PM - 03:40 PM	50.1	49.0
10:20 AM - 10:25 AM	55.4	52.6	01:00 PM - 01:05 PM	51.4	48.8	03:40 PM - 03:45 PM	49.7	48.5
10:25 AM - 10:30 AM	55.3	52.3	01:05 PM - 01:10 PM	50.8	48.7	03:45 PM - 03:50 PM	50.5	48.9
10:30 AM - 10:35 AM	56.4	52.7	01:10 PM - 01:15 PM	50.1	48.7	03:50 PM - 03:55 PM	49.5	48.4
10:35 AM - 10:40 AM	55.7	52.2	01:15 PM - 01:20 PM	50.1	48.6	03:55 PM - 04:00 PM	49.9	48.6
10:40 AM - 10:45 AM	54.3	51.8	01:20 PM - 01:25 PM	50.2	48.6	04:00 PM - 04:05 PM	51.0	49.1
10:45 AM - 10:50 AM	53.4	50.6	01:25 PM - 01:30 PM	50.3	48.3	04:05 PM - 04:10 PM	51.2	48.9
10:50 AM - 10:55 AM	52.1	49.4	01:30 PM - 01:35 PM	49.8	48.3	04:10 PM - 04:15 PM	50.8	49.1
10:55 AM - 11:00 AM	53.2	51.0	01:35 PM - 01:40 PM	49.8	48.6	04:15 PM - 04:20 PM	50.2	48.8
11:00 AM - 11:05 AM	54.2	51.3	01:40 PM - 01:45 PM	50.1	48.2	04:20 PM - 04:25 PM	50.3	49.3
11:05 AM - 11:10 AM	52.1	50.3	01:45 PM - 01:50 PM	51.0	49.1	04:25 PM - 04:30 PM	50.7	49.0
11:10 AM - 11:15 AM	51.3	49.4	01:50 PM - 01:55 PM	50.5	48.9	04:30 PM - 04:35 PM	50.4	49.1
11:15 AM - 11:20 AM	51.2	49.1	01:55 PM - 02:00 PM	50.3	48.9	04:35 PM - 04:40 PM	50.8	49.3
11:20 AM - 11:25 AM	50.6	49.0	02:00 PM - 02:05 PM	50.7	48.7	04:40 PM - 04:45 PM	50.7	48.8
11:25 AM - 11:30 AM	50.9	49.3	02:05 PM - 02:10 PM	49.3	48.2	04:45 PM - 04:50 PM	51.2	49.0
11:30 AM - 11:35 AM	50.3	48.9	02:10 PM - 02:15 PM	50.2	48.8	04:50 PM - 04:55 PM	50.4	48.8
11:35 AM - 11:40 AM	50.0	48.4	02:15 PM - 02:20 PM	50.1	48.8	04:55 PM - 05:00 PM	50.3	48.6
11:40 AM - 11:45 AM	57.6	48.9	02:20 PM - 02:25 PM	50.4	49.0	05:00 PM - 05:05 PM	50.3	48.9
11:45 AM - 11:50 AM	58.9	49.0	02:25 PM - 02:30 PM	54.3	49.1	05:05 PM - 05:10 PM	50.6	49.0
11:50 AM - 11:55 AM	56.2	49.1	02:30 PM - 02:35 PM	51.5	48.9	05:10 PM - 05:15 PM	50.0	48.7
11:55 AM - 12:00 PM	51.3	48.5	02:35 PM - 02:40 PM	49.5	48.4	05:15 PM - 05:20 PM	49.7	48.4
12:00 PM - 12:05 PM	51.7	49.0	02:40 PM - 02:45 PM	50.0	48.8	05:20 PM - 05:25 PM	51.1	49.1
12:05 PM - 12:10 PM	51.5	49.0	02:45 PM - 02:50 PM	51.2	49.1	05:25 PM - 05:30 PM	49.6	48.0
12:10 PM - 12:15 PM	51.0	49.4	02:50 PM - 02:55 PM	51.7	49.2	05:30 PM - 05:35 PM	49.3	48.0
12:15 PM - 12:20 PM	50.3	48.8	02:55 PM - 03:00 PM	51.3	49.3	05:35 PM - 05:40 PM	52.3	48.9
12:20 PM - 12:25 PM	51.4	49.4	03:00 PM - 03:05 PM	50.0	48.4	05:40 PM - 05:45 PM	50.2	48.6
12:25 PM - 12:30 PM	52.2	49.3	03:05 PM - 03:10 PM	53.4	48.7	05:45 PM - 05:50 PM	51.3	49.2
12:30 PM - 12:35 PM	50.3	48.8	03:10 PM - 03:15 PM	53.1	48.5	05:50 PM - 05:55 PM	50.9	49.0
12:35 PM - 12:40 PM	51.3	49.2	03:15 PM - 03:20 PM	50.3	48.9	05:55 PM - 06:00 PM	50.7	48.8

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439603-1 C8

Sample Number 2595681-13
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 22 - Oct 23, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 22, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 22 - Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	50.6	49.2	08:40 PM - 08:45 PM	52.8	51.2	11:20 PM - 11:25 PM	57.2	53.7
06:05 PM - 06:10 PM	50.4	49.3	08:45 PM - 08:50 PM	55.0	52.4	11:25 PM - 11:30 PM	59.0	53.9
06:10 PM - 06:15 PM	50.7	49.0	08:50 PM - 08:55 PM	54.4	52.8	11:30 PM - 11:35 PM	55.0	53.6
06:15 PM - 06:20 PM	50.9	49.2	08:55 PM - 09:00 PM	54.9	53.2	11:35 PM - 11:40 PM	54.5	53.1
06:20 PM - 06:25 PM	50.5	49.0	09:00 PM - 09:05 PM	55.9	53.8	11:40 PM - 11:45 PM	55.3	53.4
06:25 PM - 06:30 PM	52.1	49.7	09:05 PM - 09:10 PM	54.7	52.8	11:45 PM - 11:50 PM	54.3	53.1
06:30 PM - 06:35 PM	50.9	49.4	09:10 PM - 09:15 PM	54.6	52.8	11:50 PM - 11:55 PM	55.0	53.6
06:35 PM - 06:40 PM	51.9	49.6	09:15 PM - 09:20 PM	56.0	53.9	11:55 PM - 12:00 AM	57.1	54.5
06:40 PM - 06:45 PM	50.3	49.1	09:20 PM - 09:25 PM	56.9	55.1	12:00 AM - 12:05 AM	63.2	58.4
06:45 PM - 06:50 PM	51.8	49.4	09:25 PM - 09:30 PM	58.9	56.3	12:05 AM - 12:10 AM	58.6	54.6
06:50 PM - 06:55 PM	51.1	49.6	09:30 PM - 09:35 PM	57.9	55.8	12:10 AM - 12:15 AM	58.7	54.6
06:55 PM - 07:00 PM	52.3	50.4	09:35 PM - 09:40 PM	56.6	55.4	12:15 AM - 12:20 AM	56.8	54.4
07:00 PM - 07:05 PM	51.2	49.6	09:40 PM - 09:45 PM	57.1	55.0	12:20 AM - 12:25 AM	55.2	53.7
07:05 PM - 07:10 PM	51.4	49.7	09:45 PM - 09:50 PM	58.1	55.1	12:25 AM - 12:30 AM	54.9	53.6
07:10 PM - 07:15 PM	51.8	49.8	09:50 PM - 09:55 PM	57.1	55.1	12:30 AM - 12:35 AM	54.9	53.0
07:15 PM - 07:20 PM	51.7	49.5	09:55 PM - 10:00 PM	57.7	55.0	12:35 AM - 12:40 AM	54.6	53.3
07:20 PM - 07:25 PM	52.1	49.9	10:00 PM - 10:05 PM	57.2	54.4	12:40 AM - 12:45 AM	54.4	53.4
07:25 PM - 07:30 PM	52.9	50.5	10:05 PM - 10:10 PM	56.4	53.8	12:45 AM - 12:50 AM	55.0	53.5
07:30 PM - 07:35 PM	52.4	50.5	10:10 PM - 10:15 PM	59.2	55.0	12:50 AM - 12:55 AM	54.2	52.8
07:35 PM - 07:40 PM	53.5	50.6	10:15 PM - 10:20 PM	60.5	55.0	12:55 AM - 01:00 AM	54.0	52.6
07:40 PM - 07:45 PM	54.8	50.8	10:20 PM - 10:25 PM	62.1	56.1	01:00 AM - 01:05 AM	54.8	53.1
07:45 PM - 07:50 PM	53.2	49.5	10:25 PM - 10:30 PM	58.2	55.3	01:05 AM - 01:10 AM	54.2	52.4
07:50 PM - 07:55 PM	52.8	49.1	10:30 PM - 10:35 PM	56.0	54.8	01:10 AM - 01:15 AM	52.9	52.1
07:55 PM - 08:00 PM	55.6	51.7	10:35 PM - 10:40 PM	59.2	54.9	01:15 AM - 01:20 AM	52.0	51.2
08:00 PM - 08:05 PM	54.8	52.4	10:40 PM - 10:45 PM	56.3	52.9	01:20 AM - 01:25 AM	52.1	51.3
08:05 PM - 08:10 PM	54.3	51.8	10:45 PM - 10:50 PM	54.5	52.9	01:25 AM - 01:30 AM	52.0	51.2
08:10 PM - 08:15 PM	57.2	51.7	10:50 PM - 10:55 PM	54.1	52.8	01:30 AM - 01:35 AM	52.4	51.3
08:15 PM - 08:20 PM	57.2	53.5	10:55 PM - 11:00 PM	57.5	53.6	01:35 AM - 01:40 AM	52.3	51.3
08:20 PM - 08:25 PM	53.7	51.7	11:00 PM - 11:05 PM	60.5	54.7	01:40 AM - 01:45 AM	52.0	51.3
08:25 PM - 08:30 PM	53.2	51.6	11:05 PM - 11:10 PM	58.7	55.3	01:45 AM - 01:50 AM	51.8	51.1
08:30 PM - 08:35 PM	53.0	51.3	11:10 PM - 11:15 PM	56.6	53.4	01:50 AM - 01:55 AM	51.6	51.0
08:35 PM - 08:40 PM	55.4	51.2	11:15 PM - 11:20 PM	55.3	52.9	01:55 AM - 02:00 AM	51.9	51.3

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439603-1 C8

Sample Number 2595681-13
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 22 - Oct 23, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	51.9	51.4	04:40 AM - 04:45 AM	51.0	50.2	07:20 AM - 07:25 AM	50.5	49.4
02:05 AM - 02:10 AM	52.1	51.6	04:45 AM - 04:50 AM	50.8	50.2	07:25 AM - 07:30 AM	49.7	48.7
02:10 AM - 02:15 AM	52.2	51.6	04:50 AM - 04:55 AM	51.1	50.2	07:30 AM - 07:35 AM	49.6	48.6
02:15 AM - 02:20 AM	53.7	51.8	04:55 AM - 05:00 AM	50.8	50.2	07:35 AM - 07:40 AM	49.6	48.5
02:20 AM - 02:25 AM	52.0	51.5	05:00 AM - 05:05 AM	50.9	50.1	07:40 AM - 07:45 AM	49.7	48.5
02:25 AM - 02:30 AM	52.2	51.6	05:05 AM - 05:10 AM	51.2	50.4	07:45 AM - 07:50 AM	50.3	48.8
02:30 AM - 02:35 AM	51.9	51.3	05:10 AM - 05:15 AM	51.1	50.3	07:50 AM - 07:55 AM	50.2	49.1
02:35 AM - 02:40 AM	52.0	51.4	05:15 AM - 05:20 AM	51.0	50.3	07:55 AM - 08:00 AM	50.7	49.4
02:40 AM - 02:45 AM	51.9	51.5	05:20 AM - 05:25 AM	51.0	50.2	08:00 AM - 08:05 AM	51.1	49.8
02:45 AM - 02:50 AM	51.8	51.2	05:25 AM - 05:30 AM	51.1	50.2	08:05 AM - 08:10 AM	50.3	49.6
02:50 AM - 02:55 AM	52.0	51.3	05:30 AM - 05:35 AM	50.8	49.9	08:10 AM - 08:15 AM	50.2	49.3
02:55 AM - 03:00 AM	52.2	51.3	05:35 AM - 05:40 AM	50.2	49.2	08:15 AM - 08:20 AM	51.5	49.3
03:00 AM - 03:05 AM	51.8	51.2	05:40 AM - 05:45 AM	49.8	49.1	08:20 AM - 08:25 AM	50.4	49.5
03:05 AM - 03:10 AM	52.0	51.5	05:45 AM - 05:50 AM	49.7	48.9	08:25 AM - 08:30 AM	50.6	49.5
03:10 AM - 03:15 AM	52.3	51.1	05:50 AM - 05:55 AM	49.6	49.0	08:30 AM - 08:35 AM	51.9	49.7
03:15 AM - 03:20 AM	51.9	51.2	05:55 AM - 06:00 AM	50.2	49.0	08:35 AM - 08:40 AM	51.7	49.9
03:20 AM - 03:25 AM	51.6	51.0	06:00 AM - 06:05 AM	49.7	48.9	08:40 AM - 08:45 AM	51.5	50.4
03:25 AM - 03:30 AM	51.3	50.7	06:05 AM - 06:10 AM	49.8	49.0	08:45 AM - 08:50 AM	52.0	50.8
03:30 AM - 03:35 AM	51.5	50.8	06:10 AM - 06:15 AM	49.2	48.6	08:50 AM - 08:55 AM	51.8	50.7
03:35 AM - 03:40 AM	51.6	50.8	06:15 AM - 06:20 AM	49.2	48.7	08:55 AM - 09:00 AM	52.9	51.0
03:40 AM - 03:45 AM	51.6	50.7	06:20 AM - 06:25 AM	49.0	48.5	09:00 AM - 09:05 AM	54.3	52.1
03:45 AM - 03:50 AM	51.7	50.8	06:25 AM - 06:30 AM	49.0	48.5	09:05 AM - 09:10 AM	53.7	52.0
03:50 AM - 03:55 AM	51.7	50.7	06:30 AM - 06:35 AM	49.3	48.7	09:10 AM - 09:15 AM	53.0	51.6
03:55 AM - 04:00 AM	51.1	50.5	06:35 AM - 06:40 AM	49.7	49.2	09:15 AM - 09:20 AM	54.9	51.7
04:00 AM - 04:05 AM	52.8	50.4	06:40 AM - 06:45 AM	49.6	49.0	09:20 AM - 09:25 AM	52.6	51.2
04:05 AM - 04:10 AM	51.4	50.1	06:45 AM - 06:50 AM	49.9	48.9	09:25 AM - 09:30 AM	52.1	50.3
04:10 AM - 04:15 AM	51.2	50.5	06:50 AM - 06:55 AM	50.5	49.1	09:30 AM - 09:35 AM	52.2	50.3
04:15 AM - 04:20 AM	51.3	50.5	06:55 AM - 07:00 AM	50.5	49.4	09:35 AM - 09:40 AM	53.4	51.1
04:20 AM - 04:25 AM	51.3	50.3	07:00 AM - 07:05 AM	51.2	49.7	09:40 AM - 09:45 AM	53.4	50.9
04:25 AM - 04:30 AM	51.1	50.2	07:05 AM - 07:10 AM	50.8	49.4	09:45 AM - 09:50 AM	54.4	51.3
04:30 AM - 04:35 AM	51.1	50.2	07:10 AM - 07:15 AM	50.1	49.2	09:50 AM - 09:55 AM	56.7	52.6
04:35 AM - 04:40 AM	50.9	50.2	07:15 AM - 07:20 AM	50.7	49.7	09:55 AM - 10:00 AM	56.3	53.3

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Approved by
Sarayuth Jittranont
Assistant General Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439604-1 C8

Sample Number 2595681-14
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 23 - Oct 24, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)
10:00 AM - 10:05 AM	57.5	53.6	12:40 PM - 12:45 PM	49.6	47.8	03:20 PM - 03:25 PM	50.2	48.5
10:05 AM - 10:10 AM	59.7	55.8	12:45 PM - 12:50 PM	50.9	47.9	03:25 PM - 03:30 PM	50.0	48.8
10:10 AM - 10:15 AM	57.6	51.8	12:50 PM - 12:55 PM	50.0	48.1	03:30 PM - 03:35 PM	50.3	48.9
10:15 AM - 10:20 AM	53.2	50.8	12:55 PM - 01:00 PM	49.8	47.9	03:35 PM - 03:40 PM	49.8	48.3
10:20 AM - 10:25 AM	54.0	51.7	01:00 PM - 01:05 PM	51.0	48.2	03:40 PM - 03:45 PM	52.5	48.8
10:25 AM - 10:30 AM	55.4	51.8	01:05 PM - 01:10 PM	50.0	48.3	03:45 PM - 03:50 PM	51.0	48.8
10:30 AM - 10:35 AM	54.4	51.1	01:10 PM - 01:15 PM	48.8	47.8	03:50 PM - 03:55 PM	50.4	48.6
10:35 AM - 10:40 AM	54.3	51.0	01:15 PM - 01:20 PM	48.9	47.6	03:55 PM - 04:00 PM	50.9	48.7
10:40 AM - 10:45 AM	53.4	51.3	01:20 PM - 01:25 PM	49.1	48.0	04:00 PM - 04:05 PM	50.4	48.0
10:45 AM - 10:50 AM	57.2	51.7	01:25 PM - 01:30 PM	48.8	47.7	04:05 PM - 04:10 PM	49.6	48.2
10:50 AM - 10:55 AM	59.9	55.1	01:30 PM - 01:35 PM	49.6	48.4	04:10 PM - 04:15 PM	49.6	48.3
10:55 AM - 11:00 AM	64.6	58.9	01:35 PM - 01:40 PM	48.8	47.7	04:15 PM - 04:20 PM	50.9	48.6
11:00 AM - 11:05 AM	66.7	58.6	01:40 PM - 01:45 PM	48.8	47.8	04:20 PM - 04:25 PM	49.4	48.1
11:05 AM - 11:10 AM	64.8	59.2	01:45 PM - 01:50 PM	49.5	48.3	04:25 PM - 04:30 PM	49.7	48.3
11:10 AM - 11:15 AM	63.3	57.6	01:50 PM - 01:55 PM	49.9	48.7	04:30 PM - 04:35 PM	49.4	48.2
11:15 AM - 11:20 AM	58.5	51.9	01:55 PM - 02:00 PM	49.8	48.4	04:35 PM - 04:40 PM	50.5	48.2
11:20 AM - 11:25 AM	60.9	54.5	02:00 PM - 02:05 PM	52.9	48.2	04:40 PM - 04:45 PM	49.1	48.0
11:25 AM - 11:30 AM	55.2	48.8	02:05 PM - 02:10 PM	49.2	47.8	04:45 PM - 04:50 PM	49.2	47.7
11:30 AM - 11:35 AM	49.6	48.5	02:10 PM - 02:15 PM	50.2	48.8	04:50 PM - 04:55 PM	49.6	47.8
11:35 AM - 11:40 AM	49.7	48.7	02:15 PM - 02:20 PM	50.4	48.6	04:55 PM - 05:00 PM	51.0	48.1
11:40 AM - 11:45 AM	49.7	48.3	02:20 PM - 02:25 PM	49.7	48.3	05:00 PM - 05:05 PM	57.1	48.2
11:45 AM - 11:50 AM	50.2	48.6	02:25 PM - 02:30 PM	51.0	49.1	05:05 PM - 05:10 PM	51.3	48.1
11:50 AM - 11:55 AM	50.1	48.5	02:30 PM - 02:35 PM	49.2	48.1	05:10 PM - 05:15 PM	51.2	48.9
11:55 AM - 12:00 PM	50.1	48.5	02:35 PM - 02:40 PM	49.6	48.2	05:15 PM - 05:20 PM	50.9	48.8
12:00 PM - 12:05 PM	50.1	48.9	02:40 PM - 02:45 PM	49.6	48.0	05:20 PM - 05:25 PM	50.6	48.5
12:05 PM - 12:10 PM	50.6	48.8	02:45 PM - 02:50 PM	50.4	48.3	05:25 PM - 05:30 PM	50.3	48.5
12:10 PM - 12:15 PM	49.9	48.1	02:50 PM - 02:55 PM	50.4	48.3	05:30 PM - 05:35 PM	52.1	48.8
12:15 PM - 12:20 PM	49.6	48.3	02:55 PM - 03:00 PM	50.7	49.1	05:35 PM - 05:40 PM	50.9	48.2
12:20 PM - 12:25 PM	48.5	47.4	03:00 PM - 03:05 PM	51.6	48.9	05:40 PM - 05:45 PM	56.4	48.8
12:25 PM - 12:30 PM	49.6	48.0	03:05 PM - 03:10 PM	50.1	48.7	05:45 PM - 05:50 PM	51.9	48.4
12:30 PM - 12:35 PM	50.6	48.0	03:10 PM - 03:15 PM	50.8	49.5	05:50 PM - 05:55 PM	51.3	48.8
12:35 PM - 12:40 PM	49.3	48.2	03:15 PM - 03:20 PM	49.9	48.6	05:55 PM - 06:00 PM	52.3	48.9

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Sarayuth Jittranont
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439604-1 C8

Sample Number 2595681-14
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 23 - Oct 24, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 23, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 23 - Oct 24, 2025 Time	Leq dB(A)	L90 dB(A)
06:00 PM - 06:05 PM	50.8	48.6	08:40 PM - 08:45 PM	50.2	48.3	11:20 PM - 11:25 PM	53.3	51.8
06:05 PM - 06:10 PM	51.6	48.8	08:45 PM - 08:50 PM	49.2	48.1	11:25 PM - 11:30 PM	53.0	51.9
06:10 PM - 06:15 PM	51.2	48.1	08:50 PM - 08:55 PM	50.2	48.2	11:30 PM - 11:35 PM	53.3	52.0
06:15 PM - 06:20 PM	50.9	48.4	08:55 PM - 09:00 PM	52.1	48.9	11:35 PM - 11:40 PM	53.5	52.5
06:20 PM - 06:25 PM	50.9	48.3	09:00 PM - 09:05 PM	52.8	50.1	11:40 PM - 11:45 PM	53.0	51.8
06:25 PM - 06:30 PM	51.8	48.3	09:05 PM - 09:10 PM	52.9	50.4	11:45 PM - 11:50 PM	53.5	52.1
06:30 PM - 06:35 PM	50.8	48.4	09:10 PM - 09:15 PM	52.5	49.8	11:50 PM - 11:55 PM	53.3	52.0
06:35 PM - 06:40 PM	50.5	48.7	09:15 PM - 09:20 PM	54.9	53.6	11:55 PM - 12:00 AM	54.2	52.2
06:40 PM - 06:45 PM	50.9	48.4	09:20 PM - 09:25 PM	56.2	54.5	12:00 AM - 12:05 AM	55.7	54.1
06:45 PM - 06:50 PM	51.9	48.7	09:25 PM - 09:30 PM	55.8	53.3	12:05 AM - 12:10 AM	53.9	52.7
06:50 PM - 06:55 PM	50.4	48.2	09:30 PM - 09:35 PM	53.8	53.1	12:10 AM - 12:15 AM	58.1	53.4
06:55 PM - 07:00 PM	52.7	49.0	09:35 PM - 09:40 PM	53.9	52.9	12:15 AM - 12:20 AM	56.8	54.8
07:00 PM - 07:05 PM	52.7	49.2	09:40 PM - 09:45 PM	54.3	53.4	12:20 AM - 12:25 AM	55.3	53.3
07:05 PM - 07:10 PM	57.1	48.7	09:45 PM - 09:50 PM	53.9	52.9	12:25 AM - 12:30 AM	55.7	52.5
07:10 PM - 07:15 PM	51.3	48.5	09:50 PM - 09:55 PM	53.8	53.0	12:30 AM - 12:35 AM	53.2	52.1
07:15 PM - 07:20 PM	51.8	49.5	09:55 PM - 10:00 PM	54.8	54.0	12:35 AM - 12:40 AM	53.7	52.2
07:20 PM - 07:25 PM	50.6	48.5	10:00 PM - 10:05 PM	56.9	54.1	12:40 AM - 12:45 AM	54.2	52.9
07:25 PM - 07:30 PM	52.7	49.2	10:05 PM - 10:10 PM	55.4	54.0	12:45 AM - 12:50 AM	53.8	52.0
07:30 PM - 07:35 PM	51.4	49.1	10:10 PM - 10:15 PM	55.6	54.2	12:50 AM - 12:55 AM	54.2	52.8
07:35 PM - 07:40 PM	51.3	48.2	10:15 PM - 10:20 PM	55.4	53.6	12:55 AM - 01:00 AM	53.9	52.4
07:40 PM - 07:45 PM	51.3	48.2	10:20 PM - 10:25 PM	59.2	52.7	01:00 AM - 01:05 AM	53.7	52.2
07:45 PM - 07:50 PM	52.9	48.9	10:25 PM - 10:30 PM	57.3	53.7	01:05 AM - 01:10 AM	56.3	52.0
07:50 PM - 07:55 PM	50.0	48.6	10:30 PM - 10:35 PM	56.8	53.8	01:10 AM - 01:15 AM	55.2	51.8
07:55 PM - 08:00 PM	54.8	50.7	10:35 PM - 10:40 PM	55.3	52.7	01:15 AM - 01:20 AM	55.2	51.4
08:00 PM - 08:05 PM	55.1	52.2	10:40 PM - 10:45 PM	58.0	53.8	01:20 AM - 01:25 AM	53.0	51.6
08:05 PM - 08:10 PM	53.2	50.3	10:45 PM - 10:50 PM	57.1	53.3	01:25 AM - 01:30 AM	52.8	51.5
08:10 PM - 08:15 PM	57.6	49.9	10:50 PM - 10:55 PM	54.2	52.8	01:30 AM - 01:35 AM	52.7	51.4
08:15 PM - 08:20 PM	56.0	50.4	10:55 PM - 11:00 PM	56.3	53.9	01:35 AM - 01:40 AM	52.3	51.2
08:20 PM - 08:25 PM	53.2	48.9	11:00 PM - 11:05 PM	55.0	53.4	01:40 AM - 01:45 AM	52.1	51.2
08:25 PM - 08:30 PM	52.3	48.7	11:05 PM - 11:10 PM	55.1	52.7	01:45 AM - 01:50 AM	52.4	51.3
08:30 PM - 08:35 PM	50.7	48.9	11:10 PM - 11:15 PM	53.5	52.1	01:50 AM - 01:55 AM	53.0	51.7
08:35 PM - 08:40 PM	51.7	48.8	11:15 PM - 11:20 PM	53.3	51.7	01:55 AM - 02:00 AM	52.6	51.5

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Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595681
Date Received :Oct 28, 2025
Date Reported :Nov 04, 2025
Report Number :3439604-1 C8

Sample Number 2595681-14
Parameter Noise Level (Leq 5 min)
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (GPS 47P 0672338, 1576199)
Measurement Date Oct 23 - Oct 24, 2025
Measurement by Keerati Taweerat
Sound Level meter Serial No. 00858527

Oct 24, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 24, 2025 Time	Leq dB(A)	L90 dB(A)	Oct 24, 2025 Time	Leq dB(A)	L90 dB(A)
02:00 AM - 02:05 AM	53.1	51.6	04:40 AM - 04:45 AM	50.8	48.2	07:20 AM - 07:25 AM	48.2	46.9
02:05 AM - 02:10 AM	54.1	51.7	04:45 AM - 04:50 AM	49.7	47.7	07:25 AM - 07:30 AM	48.8	47.8
02:10 AM - 02:15 AM	52.7	51.6	04:50 AM - 04:55 AM	51.4	48.3	07:30 AM - 07:35 AM	59.0	48.3
02:15 AM - 02:20 AM	52.4	51.5	04:55 AM - 05:00 AM	50.2	48.0	07:35 AM - 07:40 AM	47.7	46.1
02:20 AM - 02:25 AM	51.6	50.7	05:00 AM - 05:05 AM	49.6	47.8	07:40 AM - 07:45 AM	45.9	45.3
02:25 AM - 02:30 AM	51.7	50.7	05:05 AM - 05:10 AM	49.4	47.4	07:45 AM - 07:50 AM	47.2	46.1
02:30 AM - 02:35 AM	52.1	51.0	05:10 AM - 05:15 AM	53.4	47.8	07:50 AM - 07:55 AM	46.9	45.9
02:35 AM - 02:40 AM	51.9	50.8	05:15 AM - 05:20 AM	53.6	48.1	07:55 AM - 08:00 AM	49.7	46.5
02:40 AM - 02:45 AM	52.2	51.0	05:20 AM - 05:25 AM	48.2	47.0	08:00 AM - 08:05 AM	47.8	46.7
02:45 AM - 02:50 AM	52.3	51.1	05:25 AM - 05:30 AM	48.4	46.5	08:05 AM - 08:10 AM	47.3	46.6
02:50 AM - 02:55 AM	51.8	50.9	05:30 AM - 05:35 AM	51.0	46.4	08:10 AM - 08:15 AM	46.9	46.1
02:55 AM - 03:00 AM	51.6	50.7	05:35 AM - 05:40 AM	52.9	48.5	08:15 AM - 08:20 AM	48.8	47.1
03:00 AM - 03:05 AM	51.8	50.8	05:40 AM - 05:45 AM	47.9	47.1	08:20 AM - 08:25 AM	48.8	47.6
03:05 AM - 03:10 AM	51.6	50.4	05:45 AM - 05:50 AM	48.0	46.7	08:25 AM - 08:30 AM	52.9	47.1
03:10 AM - 03:15 AM	52.3	50.8	05:50 AM - 05:55 AM	50.0	47.8	08:30 AM - 08:35 AM	48.5	46.8
03:15 AM - 03:20 AM	52.7	51.1	05:55 AM - 06:00 AM	48.1	47.1	08:35 AM - 08:40 AM	47.0	46.4
03:20 AM - 03:25 AM	52.4	50.5	06:00 AM - 06:05 AM	47.9	47.1	08:40 AM - 08:45 AM	48.4	47.2
03:25 AM - 03:30 AM	52.4	50.8	06:05 AM - 06:10 AM	49.8	48.3	08:45 AM - 08:50 AM	47.3	45.5
03:30 AM - 03:35 AM	52.2	50.8	06:10 AM - 06:15 AM	48.3	46.3	08:50 AM - 08:55 AM	47.6	46.6
03:35 AM - 03:40 AM	52.2	50.6	06:15 AM - 06:20 AM	47.1	46.0	08:55 AM - 09:00 AM	47.7	46.8
03:40 AM - 03:45 AM	51.8	50.4	06:20 AM - 06:25 AM	47.7	46.9	09:00 AM - 09:05 AM	47.8	47.0
03:45 AM - 03:50 AM	52.7	50.6	06:25 AM - 06:30 AM	47.6	47.1	09:05 AM - 09:10 AM	48.5	47.5
03:50 AM - 03:55 AM	52.4	50.6	06:30 AM - 06:35 AM	48.4	47.0	09:10 AM - 09:15 AM	47.7	46.8
03:55 AM - 04:00 AM	51.9	50.6	06:35 AM - 06:40 AM	48.9	47.1	09:15 AM - 09:20 AM	48.2	47.1
04:00 AM - 04:05 AM	51.7	50.4	06:40 AM - 06:45 AM	47.2	46.4	09:20 AM - 09:25 AM	48.3	47.3
04:05 AM - 04:10 AM	50.0	47.7	06:45 AM - 06:50 AM	47.3	46.7	09:25 AM - 09:30 AM	48.1	47.0
04:10 AM - 04:15 AM	47.9	47.1	06:50 AM - 06:55 AM	48.9	47.3	09:30 AM - 09:35 AM	47.8	46.9
04:15 AM - 04:20 AM	48.1	47.4	06:55 AM - 07:00 AM	48.9	47.5	09:35 AM - 09:40 AM	51.9	47.0
04:20 AM - 04:25 AM	48.2	47.2	07:00 AM - 07:05 AM	48.6	47.2	09:40 AM - 09:45 AM	48.1	47.6
04:25 AM - 04:30 AM	48.9	47.4	07:05 AM - 07:10 AM	48.6	46.5	09:45 AM - 09:50 AM	49.1	47.7
04:30 AM - 04:35 AM	49.9	47.6	07:10 AM - 07:15 AM	47.2	46.0	09:50 AM - 09:55 AM	48.7	47.5
04:35 AM - 04:40 AM	50.3	48.0	07:15 AM - 07:20 AM	46.8	45.9	09:55 AM - 10:00 AM	50.2	47.5

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Approved by
Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442474-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-1
Parameter เสียงรบกวน
Location จุดบริเวณที่ตั้งโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 17 - 18, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

เวลา	ระดับเสียง (dB(A)) เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน กลางวัน	เสียงขณะมีการรบกวน กลางคืน	เสียงพื้นฐาน	ค่าระดับการรบกวน
01:00 PM - 02:00 PM	63.0	61.8	56.8	-	58.5	-1.7
02:00 PM - 03:00 PM	60.1	60.7	n/a	-	57.8	-
03:00 PM - 04:00 PM	64.9	62.8	60.7	-	60.5	0.2
04:00 PM - 05:00 PM	65.0	62.8	61.0	-	59.6	1.4
05:00 PM - 06:00 PM	58.2	57.3	50.9	-	56.7	-5.8
06:00 PM - 07:00 PM	59.1	57.8	53.2	-	57.1	-3.9
07:00 PM - 08:00 PM	59.4	58.0	53.8	-	57.1	-3.3
08:00 PM - 09:00 PM	59.3	55.5	57.0	-	54.8	2.2
09:00 PM - 10:00 PM	58.2	54.8	55.5	-	54.2	1.3
10:00 PM - 10:05 PM	58.0	54.1	-	58.7	53.6	5.1
10:05 PM - 10:10 PM	59.0	54.7	-	60.0	54.2	5.8
10:10 PM - 10:15 PM	58.5	56.7	-	56.8	54.3	2.5
10:15 PM - 10:20 PM	56.6	53.1	-	57.0	52.6	4.4
10:20 PM - 10:25 PM	56.9	53.6	-	57.2	52.9	4.3
10:25 PM - 10:30 PM	56.4	53.8	-	55.9	53.2	2.7
10:30 PM - 10:35 PM	55.8	53.2	-	55.3	52.7	2.6
10:35 PM - 10:40 PM	56.3	53.0	-	56.6	52.7	3.9
10:40 PM - 10:45 PM	55.3	54.2	-	51.8	52.6	-0.8
10:45 PM - 10:50 PM	55.3	52.7	-	54.8	52.3	2.5
10:50 PM - 10:55 PM	55.2	52.7	-	54.6	52.3	2.3
10:55 PM - 11:00 PM	55.3	52.6	-	55.0	52.2	2.8
11:00 PM - 11:05 PM	55.2	52.6	-	54.7	52.1	2.6
11:05 PM - 11:10 PM	55.2	52.5	-	54.9	52.7	2.7
11:10 PM - 11:15 PM	55.3	52.6	-	55.0	52.3	2.7
11:15 PM - 11:20 PM	55.4	52.5	-	55.3	52.1	3.2
11:20 PM - 11:25 PM	55.4	52.5	-	55.3	52.1	3.2
11:25 PM - 11:30 PM	55.6	52.6	-	55.6	52.2	3.4
11:30 PM - 11:35 PM	55.9	52.6	-	56.2	52.2	4.0
11:35 PM - 11:40 PM	55.5	53.2	-	54.6	52.3	2.3
11:40 PM - 11:45 PM	55.2	52.3	-	55.1	51.9	3.2
11:45 PM - 11:50 PM	55.5	52.2	-	55.8	51.8	4.0
11:50 PM - 11:55 PM	55.5	52.4	-	55.6	51.9	3.7
11:55 PM - 12:00 AM	55.2	52.5	-	54.9	52.0	2.9
12:00 AM - 12:05 AM	55.0	52.5	-	54.4	52.0	2.4
12:05 AM - 12:10 AM	54.8	52.2	-	54.3	51.8	2.5
12:10 AM - 12:15 AM	54.8	52.1	-	54.5	51.7	2.8
12:15 AM - 12:20 AM	54.7	52.0	-	54.4	51.7	2.7
12:20 AM - 12:25 AM	54.7	52.2	-	54.1	51.7	2.4
12:25 AM - 12:30 AM	54.7	52.2	-	54.1	51.7	2.4
12:30 AM - 12:35 AM	54.6	52.1	-	54.0	51.7	2.3

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442474-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-1
Parameter เสียงรบกวน
Location จุดบริเวณที่ตั้งโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 17 - 18, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

เวลา	ระดับเสียง (dB(A)) เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน กลางวัน	เสียงขณะมีการรบกวน กลางคืน	เสียงพื้นฐาน	ค่าระดับการรบกวน
12:35 AM - 12:40 AM	55.0	52.2	-	54.8	51.8	3.0
12:40 AM - 12:45 AM	54.8	52.7	-	53.6	52.0	1.6
12:45 AM - 12:50 AM	54.8	52.4	-	54.1	51.9	2.2
12:50 AM - 12:55 AM	54.7	52.4	-	53.8	51.9	1.9
12:55 AM - 01:00 AM	54.6	52.3	-	53.7	51.8	1.9
01:00 AM - 01:05 AM	54.6	52.1	-	54.0	51.7	2.3
01:05 AM - 01:10 AM	54.7	52.3	-	54.0	51.9	2.1
01:10 AM - 01:15 AM	55.0	52.8	-	54.0	52.1	1.9
01:15 AM - 01:20 AM	54.7	52.5	-	53.7	52.0	1.7
01:20 AM - 01:25 AM	54.8	52.3	-	54.2	51.9	2.3
01:25 AM - 01:30 AM	54.8	52.5	-	53.9	52.1	1.8
01:30 AM - 01:35 AM	54.7	52.4	-	53.8	52.0	1.8
01:35 AM - 01:40 AM	55.0	52.6	-	54.3	52.1	2.2
01:40 AM - 01:45 AM	55.2	52.6	-	54.7	52.1	2.6
01:45 AM - 01:50 AM	55.1	52.7	-	54.4	52.1	2.3
01:50 AM - 01:55 AM	54.7	52.8	-	53.2	52.2	1.0
01:55 AM - 02:00 AM	55.1	52.8	-	54.2	52.1	2.1
02:00 AM - 02:05 AM	54.9	52.7	-	53.9	52.1	1.8
02:05 AM - 02:10 AM	55.2	52.7	-	54.6	52.2	2.4
02:10 AM - 02:15 AM	55.4	53.0	-	54.7	52.4	2.3
02:15 AM - 02:20 AM	55.3	53.4	-	53.8	52.5	1.3
02:20 AM - 02:25 AM	55.6	53.2	-	54.9	52.6	2.3
02:25 AM - 02:30 AM	55.2	53.5	-	53.3	52.6	0.7
02:30 AM - 02:35 AM	55.5	53.1	-	54.8	52.6	2.2
02:35 AM - 02:40 AM	55.5	53.1	-	54.8	52.7	2.1
02:40 AM - 02:45 AM	56.0	53.3	-	55.7	52.9	2.8
02:45 AM - 02:50 AM	55.7	54.2	-	53.4	53.0	0.4
02:50 AM - 02:55 AM	55.7	53.8	-	54.2	53.1	1.1
02:55 AM - 03:00 AM	55.9	53.9	-	54.6	53.2	1.4
03:00 AM - 03:05 AM	56.6	54.0	-	56.1	53.5	2.6
03:05 AM - 03:10 AM	55.9	55.2	-	50.6	53.5	-2.9
03:10 AM - 03:15 AM	55.7	54.0	-	53.8	53.2	0.6
03:15 AM - 03:20 AM	55.5	54.3	-	52.3	53.3	-1.0
03:20 AM - 03:25 AM	55.9	54.7	-	52.7	53.3	-0.6
03:25 AM - 03:30 AM	55.9	57.0	-	n/a	53.6	-
03:30 AM - 03:35 AM	56.1	57.0	-	n/a	54.2	-
03:35 AM - 03:40 AM	56.9	58.6	-	n/a	54.3	-
03:40 AM - 03:45 AM	56.3	58.1	-	n/a	54.8	-
03:45 AM - 03:50 AM	56.3	58.9	-	n/a	55.1	-
03:50 AM - 03:55 AM	56.6	60.1	-	n/a	56.6	-

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Approved by
Kanokkorn Anek
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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442474-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-1
Parameter เสียงรบกวน
Location จุดบริเวณที่ตั้งโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 17 - 18, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

เวลา	ระดับเสียง (dB(A)) เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน กลางวัน	เสียงขณะมีการรบกวน กลางคืน	เสียงพื้นฐาน	ค่าระดับการรบกวน
03:55 AM - 04:00 AM	57.9	60.8	-	n/a	57.6	-
04:00 AM - 04:05 AM	58.2	62.0	-	n/a	58.9	-
04:05 AM - 04:10 AM	59.3	62.8	-	n/a	59.6	-
04:10 AM - 04:15 AM	59.8	64.0	-	n/a	61.5	-
04:15 AM - 04:20 AM	59.7	64.3	-	n/a	62.3	-
04:20 AM - 04:25 AM	61.9	63.7	-	n/a	61.7	-
04:25 AM - 04:30 AM	64.5	65.0	-	n/a	63.1	-
04:30 AM - 04:35 AM	66.6	67.1	-	n/a	65.2	-
04:35 AM - 04:40 AM	65.3	68.1	-	n/a	66.7	-
04:40 AM - 04:45 AM	60.0	66.1	-	n/a	62.9	-
04:45 AM - 04:50 AM	57.9	61.4	-	n/a	57.7	-
04:50 AM - 04:55 AM	56.6	56.7	-	n/a	53.7	-
04:55 AM - 05:00 AM	56.0	54.7	-	53.1	53.0	0.1
05:00 AM - 05:05 AM	57.9	55.2	-	57.6	53.1	4.5
05:05 AM - 05:10 AM	59.2	57.4	-	57.5	54.2	3.3
05:10 AM - 05:15 AM	59.0	57.4	-	56.9	54.6	2.3
05:15 AM - 05:20 AM	57.8	59.0	-	n/a	54.8	-
05:20 AM - 05:25 AM	59.8	57.7	-	58.6	54.7	3.9
05:25 AM - 05:30 AM	60.0	61.2	-	n/a	55.8	-
05:30 AM - 05:35 AM	62.5	61.0	-	60.2	55.6	4.6
05:35 AM - 05:40 AM	60.6	62.7	-	n/a	56.5	-
05:40 AM - 05:45 AM	60.5	60.5	-	n/a	56.8	-
05:45 AM - 05:50 AM	60.2	58.9	-	57.3	55.5	1.8
05:50 AM - 05:55 AM	60.7	58.8	-	59.2	55.7	3.5
05:55 AM - 06:00 AM	58.4	58.9	-	n/a	55.1	-
06:00 AM - 07:00 AM	57.9	57.8	41.5	-	56.1	-14.6
07:00 AM - 08:00 AM	59.9	59.0	52.6	-	58.0	-5.4
08:00 AM - 09:00 AM	57.7	57.6	41.3	-	56.9	-15.6
09:00 AM - 10:00 AM	58.0	57.8	44.5	-	57.0	-12.5
10:00 AM - 11:00 AM	57.3	56.4	50.0	-	55.6	-5.6
11:00 AM - 12:00 PM	57.5	57.3	44.0	-	56.5	-12.5
12:00 PM - 01:00 PM	57.6	57.4	44.1	-	56.7	-12.6

ตามมาตรฐาน	≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดมาตรฐานแห่งเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 17-18 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2598902-1 วันที่ตรวจวัด 17-18 ตุลาคม 2568)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442475-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-2
Parameter เสียงรบกวน
Location จุดบริเวณที่ตั้งโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 18 - 19, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

เวลา	ระดับเสียง (dB(A)) เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน กลางวัน	เสียงขณะมีการรบกวน กลางคืน	เสียงพื้นฐาน	ค่าระดับการรบกวน
01:00 PM - 02:00 PM	59.5	61.3	n/a	-	57.8	-
02:00 PM - 03:00 PM	59.0	57.8	52.8	-	55.4	-2.6
03:00 PM - 04:00 PM	62.4	59.6	59.2	-	57.0	2.2
04:00 PM - 05:00 PM	64.1	60.5	61.6	-	57.8	3.8
05:00 PM - 06:00 PM	59.7	57.4	55.8	-	56.8	-1.0
06:00 PM - 07:00 PM	58.9	56.9	54.6	-	56.0	-1.4
07:00 PM - 08:00 PM	59.0	57.9	52.5	-	57.0	-4.5
08:00 PM - 09:00 PM	55.8	53.7	51.6	-	53.2	-1.6
09:00 PM - 10:00 PM	58.5	54.3	56.4	-	53.6	2.8
10:00 PM - 10:05 PM	57.5	52.8	-	58.7	52.2	6.5
10:05 PM - 10:10 PM	59.4	54.2	-	60.8	53.4	7.4
10:10 PM - 10:15 PM	60.1	54.6	-	61.7	54.0	7.7
10:15 PM - 10:20 PM	58.6	54.9	-	59.2	54.1	5.1
10:20 PM - 10:25 PM	56.8	53.8	-	56.8	53.2	3.6
10:25 PM - 10:30 PM	56.2	53.3	-	56.1	52.9	3.2
10:30 PM - 10:35 PM	56.7	53.2	-	57.1	52.8	4.3
10:35 PM - 10:40 PM	59.2	54.3	-	60.5	53.1	7.4
10:40 PM - 10:45 PM	59.6	55.0	-	60.8	54.6	6.2
10:45 PM - 10:50 PM	58.9	54.9	-	59.7	54.5	5.2
10:50 PM - 10:55 PM	58.8	54.8	-	59.6	53.9	5.7
10:55 PM - 11:00 PM	58.5	54.1	-	59.5	53.7	5.8
11:00 PM - 11:05 PM	58.2	53.9	-	59.2	53.6	5.6
11:05 PM - 11:10 PM	57.9	53.9	-	58.7	53.6	5.1
11:10 PM - 11:15 PM	57.1	53.7	-	57.4	53.1	4.3
11:15 PM - 11:20 PM	56.4	53.1	-	56.7	52.8	3.9
11:20 PM - 11:25 PM	55.5	52.8	-	55.2	52.4	2.8
11:25 PM - 11:30 PM	55.5	52.6	-	55.4	52.2	3.2
11:30 PM - 11:35 PM	56.2	52.8	-	56.5	52.5	4.0
11:35 PM - 11:40 PM	56.7	53.0	-	57.3	52.6	4.7
11:40 PM - 11:45 PM	56.6	53.1	-	57.0	52.7	4.3
11:45 PM - 11:50 PM	56.7	53.3	-	56.1	52.9	3.2
11:50 PM - 11:55 PM	55.7	52.9	-	55.5	52.5	3.0
11:55 PM - 12:00 AM	55.2	52.9	-	54.3	52.4	1.9
12:00 AM - 12:05 AM	55.3	53.0	-	54.3	52.5	1.8
12:05 AM - 12:10 AM	55.8	52.7	-	55.9	52.3	3.6
12:10 AM - 12:15 AM	57.2	53.2	-	58.0	52.7	5.3
12:15 AM - 12:20 AM	58.2	53.7	-	59.3	53.3	6.0
12:20 AM - 12:25 AM	58.9	54.0	-	60.2	53.5	6.7
12:25 AM - 12:30 AM	59.2	54.2	-	60.5	53.8	6.7
12:30 AM - 12:35 AM	59.4	54.8	-	60.6	54.3	6.3

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442475-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-2
Parameter เสียงรบกวน
Location จุดวัดด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 18 - 19, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:35 AM - 12:40 AM	59.6	54.9	-	60.8	54.2	6.6
12:40 AM - 12:45 AM	58.5	54.6	-	59.2	54.0	5.2
12:45 AM - 12:50 AM	58.7	54.2	-	59.8	53.6	6.2
12:50 AM - 12:55 AM	59.7	55.1	-	60.9	54.4	6.5
12:55 AM - 01:00 AM	59.3	54.9	-	60.3	54.4	5.9
01:00 AM - 01:05 AM	59.1	54.9	-	60.0	54.5	5.5
01:05 AM - 01:10 AM	59.5	54.8	-	60.7	54.4	6.3
01:10 AM - 01:15 AM	59.6	54.9	-	60.8	54.5	6.3
01:15 AM - 01:20 AM	59.5	55.0	-	60.6	54.5	6.1
01:20 AM - 01:25 AM	59.1	54.8	-	60.1	54.5	5.6
01:25 AM - 01:30 AM	59.5	54.8	-	60.7	54.3	6.4
01:30 AM - 01:35 AM	59.5	55.0	-	60.6	54.6	6.0
01:35 AM - 01:40 AM	58.5	54.8	-	59.1	54.4	4.7
01:40 AM - 01:45 AM	57.8	54.2	-	58.2	53.8	4.4
01:45 AM - 01:50 AM	57.7	54.1	-	58.2	53.6	4.6
01:50 AM - 01:55 AM	57.9	54.2	-	58.5	53.7	4.8
01:55 AM - 02:00 AM	58.6	54.4	-	59.5	53.8	5.7
02:00 AM - 02:05 AM	58.4	54.5	-	59.1	53.9	5.2
02:05 AM - 02:10 AM	57.8	54.5	-	58.1	53.9	4.2
02:10 AM - 02:15 AM	57.9	54.8	-	58.0	53.9	4.1
02:15 AM - 02:20 AM	57.2	54.2	-	57.2	53.8	3.4
02:20 AM - 02:25 AM	57.3	54.3	-	57.3	53.8	3.5
02:25 AM - 02:30 AM	57.2	54.5	-	56.9	53.7	3.2
02:30 AM - 02:35 AM	57.6	54.2	-	57.9	53.8	4.1
02:35 AM - 02:40 AM	57.7	54.7	-	57.7	54.1	3.6
02:40 AM - 02:45 AM	57.0	54.6	-	56.3	54.1	2.2
02:45 AM - 02:50 AM	57.4	55.0	-	56.7	54.2	2.5
02:50 AM - 02:55 AM	57.2	54.5	-	56.9	54.1	2.8
02:55 AM - 03:00 AM	57.1	54.4	-	56.8	54.0	2.8
03:00 AM - 03:05 AM	57.3	54.6	-	57.0	54.0	3.0
03:05 AM - 03:10 AM	57.9	54.9	-	57.9	54.1	3.8
03:10 AM - 03:15 AM	57.4	55.3	-	56.2	54.3	1.9
03:15 AM - 03:20 AM	57.4	54.8	-	56.9	54.2	2.7
03:20 AM - 03:25 AM	57.6	55.2	-	56.9	54.2	2.7
03:25 AM - 03:30 AM	57.6	55.3	-	56.7	54.5	2.2
03:30 AM - 03:35 AM	57.6	57.3	-	48.8	54.6	-5.8
03:35 AM - 03:40 AM	57.8	58.1	-	n/a	55.3	-
03:40 AM - 03:45 AM	58.0	58.9	-	n/a	55.8	-
03:45 AM - 03:50 AM	57.9	58.9	-	n/a	56.0	-
03:50 AM - 03:55 AM	57.9	59.0	-	n/a	56.9	-

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442475-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-2
Parameter เสียงรบกวน
Location จุดวัดด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 18 - 19, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:55 AM - 04:00 AM	57.9	60.1	-	n/a	56.5	-
04:00 AM - 04:05 AM	58.1	62.0	-	n/a	58.9	-
04:05 AM - 04:10 AM	59.2	62.0	-	n/a	58.6	-
04:10 AM - 04:15 AM	59.1	64.0	-	n/a	61.3	-
04:15 AM - 04:20 AM	59.7	63.8	-	n/a	61.6	-
04:20 AM - 04:25 AM	61.7	64.2	-	n/a	62.4	-
04:25 AM - 04:30 AM	62.9	65.5	-	n/a	63.6	-
04:30 AM - 04:35 AM	63.5	67.1	-	n/a	65.3	-
04:35 AM - 04:40 AM	61.3	68.0	-	n/a	66.1	-
04:40 AM - 04:45 AM	58.6	65.0	-	n/a	62.3	-
04:45 AM - 04:50 AM	56.7	60.4	-	n/a	56.2	-
04:50 AM - 04:55 AM	57.1	57.0	-	43.7	54.2	-10.5
04:55 AM - 05:00 AM	56.6	54.9	-	54.7	53.4	1.3
05:00 AM - 05:05 AM	57.9	54.4	-	58.3	53.3	5.0
05:05 AM - 05:10 AM	57.5	55.5	-	56.2	53.5	2.7
05:10 AM - 05:15 AM	55.7	54.5	-	52.5	53.2	-0.7
05:15 AM - 05:20 AM	56.8	54.5	-	55.9	53.2	2.7
05:20 AM - 05:25 AM	55.6	54.8	-	50.9	53.1	-2.2
05:25 AM - 05:30 AM	55.4	53.6	-	53.7	52.8	0.9
05:30 AM - 05:35 AM	55.9	54.6	-	53.0	52.9	0.1
05:35 AM - 05:40 AM	55.6	54.6	-	51.7	53.0	-1.3
05:40 AM - 05:45 AM	57.9	54.1	-	58.6	52.9	5.7
05:45 AM - 05:50 AM	55.3	53.8	-	53.0	52.9	0.1
05:50 AM - 05:55 AM	55.3	54.2	-	51.8	52.7	-0.9
05:55 AM - 06:00 AM	55.1	53.5	-	53.0	52.8	0.2
06:00 AM - 07:00 AM	55.8	53.6	49.4	-	52.5	-3.1
07:00 AM - 08:00 AM	54.4	53.4	47.5	-	52.0	-4.5
08:00 AM - 09:00 AM	54.2	52.8	48.6	-	51.4	-2.8
09:00 AM - 10:00 AM	53.8	52.2	48.7	-	51.0	-2.3
10:00 AM - 11:00 AM	53.5	51.7	48.8	-	50.8	-2.0
11:00 AM - 12:00 PM	53.3	51.6	48.4	-	50.6	-2.2
12:00 PM - 01:00 PM	53.4	51.9	48.1	-	51.1	-3.0
ค่ามาตรฐาน						≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงคงเดี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงอุตสาหกรรมสุข เรื่อง กำหนดค่ามาตรฐานผลลัพธ์ทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 18-19 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2598902-2 วันที่ตรวจวัด 18-19 ตุลาคม 2568)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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Assistant General Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company
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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442476-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-3
Parameter เสียงรบกวน
Location จุดวัดด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 19 - 20, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
01:00 PM - 02:00 PM	53.6	52.1	48.3	-	51.2	-2.9
02:00 PM - 03:00 PM	54.4	53.7	46.1	-	51.4	-5.3
03:00 PM - 04:00 PM	56.1	53.6	52.5	-	52.2	0.3
04:00 PM - 05:00 PM	62.9	61.1	58.2	-	57.0	1.2
05:00 PM - 06:00 PM	54.6	53.0	49.5	-	52.3	-2.8
06:00 PM - 07:00 PM	55.2	53.2	50.9	-	52.5	-1.6
07:00 PM - 08:00 PM	55.4	53.0	51.7	-	52.4	-0.7
08:00 PM - 09:00 PM	56.2	53.4	53.0	-	52.8	0.2
09:00 PM - 10:00 PM	55.5	52.3	52.7	-	51.4	1.3
10:00 PM - 10:05 PM	54.2	51.4	-	54.0	50.9	3.1
10:05 PM - 10:10 PM	54.5	51.1	-	54.8	50.8	4.0
10:10 PM - 10:15 PM	54.1	51.5	-	53.6	50.6	3.0
10:15 PM - 10:20 PM	54.1	51.1	-	54.1	50.7	3.4
10:20 PM - 10:25 PM	54.2	51.1	-	54.3	50.7	3.6
10:25 PM - 10:30 PM	54.2	51.1	-	54.3	50.8	3.5
10:30 PM - 10:35 PM	54.1	51.0	-	54.2	50.7	3.5
10:35 PM - 10:40 PM	54.1	51.3	-	53.9	50.9	3.0
10:40 PM - 10:45 PM	54.0	51.1	-	53.9	50.7	3.2
10:45 PM - 10:50 PM	54.0	51.0	-	54.0	50.5	3.5
10:50 PM - 10:55 PM	54.4	51.0	-	54.7	50.5	4.2
10:55 PM - 11:00 PM	54.4	51.0	-	54.7	50.6	4.1
11:00 PM - 11:05 PM	54.3	51.2	-	54.4	50.7	3.7
11:05 PM - 11:10 PM	54.1	51.2	-	54.0	50.8	3.2
11:10 PM - 11:15 PM	54.0	51.1	-	53.9	50.7	3.2
11:15 PM - 11:20 PM	54.3	51.8	-	53.7	50.9	2.8
11:20 PM - 11:25 PM	54.0	51.1	-	53.9	50.7	3.2
11:25 PM - 11:30 PM	54.0	51.1	-	53.9	50.7	3.2
11:30 PM - 11:35 PM	54.0	51.0	-	54.0	50.6	3.4
11:35 PM - 11:40 PM	54.0	51.0	-	54.0	50.7	3.3
11:40 PM - 11:45 PM	54.0	51.0	-	54.0	50.6	3.4
11:45 PM - 11:50 PM	53.9	51.0	-	53.8	50.7	3.1
11:50 PM - 11:55 PM	53.9	50.9	-	53.9	50.6	3.3
11:55 PM - 12:00 AM	53.8	51.0	-	53.6	50.6	3.0
12:00 AM - 12:05 AM	53.8	51.0	-	53.6	50.6	3.0
12:05 AM - 12:10 AM	53.8	50.9	-	53.7	50.6	3.1
12:10 AM - 12:15 AM	53.7	50.9	-	53.5	50.6	2.9
12:15 AM - 12:20 AM	53.8	50.9	-	53.7	50.6	3.1
12:20 AM - 12:25 AM	53.8	51.0	-	53.6	50.7	2.9
12:25 AM - 12:30 AM	53.7	50.8	-	53.6	50.5	3.1

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Approved by
Kanokkorn Anek
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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442476-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-3
Parameter เสียงรบกวน
Location จุดวัดด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 19 - 20, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:35 AM - 12:40 AM	53.8	51.1	-	53.5	50.7	2.8
12:40 AM - 12:45 AM	53.8	51.0	-	53.6	50.6	3.0
12:45 AM - 12:50 AM	53.8	50.9	-	53.7	50.6	3.1
12:50 AM - 12:55 AM	53.8	51.1	-	53.5	50.7	2.8
12:55 AM - 01:00 AM	53.9	51.1	-	53.7	50.8	2.9
01:00 AM - 01:05 AM	53.7	50.9	-	53.5	50.6	2.9
01:05 AM - 01:10 AM	53.8	50.9	-	53.7	50.6	3.1
01:10 AM - 01:15 AM	53.9	51.0	-	53.8	50.6	3.2
01:15 AM - 01:20 AM	54.0	51.0	-	54.0	50.6	3.4
01:20 AM - 01:25 AM	53.9	51.1	-	53.7	50.6	3.1
01:25 AM - 01:30 AM	53.9	51.1	-	53.7	50.6	3.1
01:30 AM - 01:35 AM	53.9	51.0	-	53.8	50.6	3.2
01:35 AM - 01:40 AM	54.0	51.1	-	53.9	50.7	3.2
01:40 AM - 01:45 AM	54.0	51.2	-	53.8	50.8	3.0
01:45 AM - 01:50 AM	54.3	51.7	-	53.8	50.9	2.9
01:50 AM - 01:55 AM	54.1	51.2	-	54.0	50.9	3.1
01:55 AM - 02:00 AM	54.2	51.4	-	54.0	51.0	3.0
02:00 AM - 02:05 AM	54.2	51.5	-	53.9	51.1	2.8
02:05 AM - 02:10 AM	54.3	51.5	-	54.1	51.2	2.9
02:10 AM - 02:15 AM	54.6	51.8	-	54.4	51.3	3.1
02:15 AM - 02:20 AM	54.8	52.7	-	53.6	51.7	1.9
02:20 AM - 02:25 AM	54.8	52.2	-	54.3	51.7	2.6
02:25 AM - 02:30 AM	55.0	53.0	-	53.7	51.9	1.8
02:30 AM - 02:35 AM	54.8	52.8	-	53.5	51.9	1.6
02:35 AM - 02:40 AM	55.0	52.5	-	54.4	52.0	2.4
02:40 AM - 02:45 AM	55.3	53.4	-	53.8	52.4	1.4
02:45 AM - 02:50 AM	55.1	52.9	-	54.1	52.3	1.8
02:50 AM - 02:55 AM	55.2	53.2	-	53.9	52.4	1.5
02:55 AM - 03:00 AM	55.0	53.7	-	52.1	52.6	-0.5
03:00 AM - 03:05 AM	55.6	53.8	-	53.9	52.6	1.3
03:05 AM - 03:10 AM	55.4	55.0	-	47.8	52.8	-5.0
03:10 AM - 03:15 AM	55.4	57.3	-	n/a	53.1	-
03:15 AM - 03:20 AM	55.6	56.8	-	n/a	53.0	-
03:20 AM - 03:25 AM	55.5	57.8	-	n/a	53.7	-
03:25 AM - 03:30 AM	55.8	56.6	-	n/a	53.3	-
03:30 AM - 03:35 AM	55.7	58.4	-	n/a	53.8	-
03:35 AM - 03:40 AM	55.6	57.8	-	n/a	54.4	-
03:40 AM - 03:45 AM	55.9	58.1	-	n/a	54.5	-
03:45 AM - 03:50 AM	56.6	60.1	-	n/a	56.7	-
03:50 AM - 03:55 AM	56.5	61.1	-	n/a	57.6	-

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442476-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-3
Parameter เสียงรบกวน
Location จุดวัดด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 19 - 20, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:55 AM - 04:00 AM	57.0	60.5	-	n/a	57.4	-
04:00 AM - 04:05 AM	58.6	62.5	-	n/a	59.3	-
04:05 AM - 04:10 AM	58.9	63.1	-	n/a	60.3	-
04:10 AM - 04:15 AM	59.1	63.4	-	n/a	61.0	-
04:15 AM - 04:20 AM	58.9	63.3	-	n/a	61.3	-
04:20 AM - 04:25 AM	60.6	63.1	-	n/a	61.0	-
04:25 AM - 04:30 AM	63.3	64.2	-	n/a	62.3	-
04:30 AM - 04:35 AM	64.6	66.0	-	n/a	63.7	-
04:35 AM - 04:40 AM	63.0	66.9	-	n/a	64.6	-
04:40 AM - 04:45 AM	60.4	65.4	-	n/a	61.9	-
04:45 AM - 04:50 AM	57.2	61.6	-	n/a	57.8	-
04:50 AM - 04:55 AM	56.8	56.6	-	46.3	52.9	-6.6
04:55 AM - 05:00 AM	55.9	55.5	-	48.3	52.1	-3.8
05:00 AM - 05:05 AM	56.5	54.7	-	54.8	52.2	2.6
05:05 AM - 05:10 AM	57.2	55.5	-	55.3	53.2	2.1
05:10 AM - 05:15 AM	57.9	56.6	-	55.0	53.5	1.5
05:15 AM - 05:20 AM	57.9	58.2	-	n/a	54.2	-
05:20 AM - 05:25 AM	59.6	57.8	-	57.9	54.3	3.6
05:25 AM - 05:30 AM	58.7	59.3	-	n/a	54.4	-
05:30 AM - 05:35 AM	60.4	60.1	-	51.6	55.1	-3.5
05:35 AM - 05:40 AM	59.3	61.7	-	n/a	55.4	-
05:40 AM - 05:45 AM	59.0	60.7	-	n/a	54.3	-
05:45 AM - 05:50 AM	58.4	59.4	-	n/a	54.3	-
05:50 AM - 05:55 AM	57.1	58.2	-	n/a	53.4	-
05:55 AM - 06:00 AM	57.2	57.2	-	n/a	54.2	-
06:00 AM - 07:00 AM	58.2	58.0	44.7	-	56.1	-11.4
07:00 AM - 08:00 AM	59.0	58.2	51.3	-	55.9	-4.6
08:00 AM - 09:00 AM	60.3	58.9	54.7	-	56.1	-1.4
09:00 AM - 10:00 AM	63.9	60.8	61.0	-	55.1	5.9
10:00 AM - 11:00 AM	57.8	56.8	50.9	-	55.6	-4.7
11:00 AM - 12:00 PM	59.3	60.1	n/a	-	57.0	-
12:00 PM - 01:00 PM	57.9	59.1	n/a	-	57.4	-
มาตรฐาน						≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 19-20 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2598902-3 วันที่ตรวจวัด 19-20 ตุลาคม 2568)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442477-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-4
Parameter เสียงรบกวน
Location จุดวัดด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 20 - 21, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
01:00 PM - 02:00 PM	59.9	59.2	51.6	-	51.2	0.4
02:00 PM - 03:00 PM	59.5	59.1	48.9	-	57.6	-8.7
03:00 PM - 04:00 PM	60.7	62.5	n/a	-	60.4	-
04:00 PM - 05:00 PM	63.5	66.3	n/a	-	64.8	-
05:00 PM - 06:00 PM	58.5	57.5	51.6	-	56.8	5.2
06:00 PM - 07:00 PM	58.9	57.7	52.7	-	56.9	-4.2
07:00 PM - 08:00 PM	60.1	58.1	55.8	-	57.0	-1.2
08:00 PM - 09:00 PM	60.0	55.4	58.2	-	54.9	3.3
09:00 PM - 10:00 PM	59.2	55.0	57.1	-	54.4	2.7
10:00 PM - 10:05 PM	59.2	55.5	-	59.8	54.1	5.7
10:05 PM - 10:10 PM	59.7	54.9	-	61.0	54.4	6.6
10:10 PM - 10:15 PM	60.3	56.4	-	61.0	54.6	6.4
10:15 PM - 10:20 PM	59.1	55.7	-	59.4	53.3	6.1
10:20 PM - 10:25 PM	60.6	54.6	-	62.3	53.9	8.4
10:25 PM - 10:30 PM	60.4	54.4	-	62.1	53.8	8.3
10:30 PM - 10:35 PM	60.2	54.4	-	61.9	54.0	7.9
10:35 PM - 10:40 PM	60.2	54.5	-	61.8	54.1	7.7
10:40 PM - 10:45 PM	60.3	54.6	-	61.9	53.9	8.0
10:45 PM - 10:50 PM	60.0	54.0	-	61.7	53.6	8.1
10:50 PM - 10:55 PM	60.0	54.1	-	61.7	53.7	8.0
10:55 PM - 11:00 PM	59.9	54.1	-	61.6	53.6	8.0
11:00 PM - 11:05 PM	58.9	53.7	-	60.3	53.1	7.2
11:05 PM - 11:10 PM	57.6	53.0	-	58.8	52.5	6.3
11:10 PM - 11:15 PM	57.1	52.8	-	58.1	52.3	5.8
11:15 PM - 11:20 PM	56.6	52.6	-	57.4	52.2	5.2
11:20 PM - 11:25 PM	56.1	52.5	-	56.6	52.1	4.5
11:25 PM - 11:30 PM	56.1	52.6	-	56.5	52.2	4.3
11:30 PM - 11:35 PM	55.7	52.6	-	55.8	52.0	3.8
11:35 PM - 11:40 PM	56.0	53.0	-	56.0	51.9	4.1
11:40 PM - 11:45 PM	55.7	52.5	-	55.9	51.9	4.0
11:45 PM - 11:50 PM	55.9	52.9	-	55.9	52.0	3.9
11:50 PM - 11:55 PM	56.1	53.0	-	56.2	52.3	3.9
11:55 PM - 12:00 AM	57.4	54.2	-	57.1	52.7	4.4
12:00 AM - 12:05 AM	56.5	53.7	-	56.3	52.1	4.2
12:05 AM - 12:10 AM	56.0	52.9	-	56.1	51.9	4.2
12:10 AM - 12:15 AM	56.6	53.5	-	56.7	52.0	4.7
12:15 AM - 12:20 AM	56.3	53.4	-	56.2	51.8	4.4
12:20 AM - 12:25 AM	56.1	53.0	-	56.2	51.9	4.3
12:25 AM - 12:30 AM	55.9	52.6	-	56.2	51.8	4.4
12:30 AM - 12:35 AM	55.9	53.0	-	56.0	51.9	4.0

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Assistant General Manager

Analysis / Test Report

TESTING
No.0009

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Date Received : Oct 28, 2025
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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-4
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Location จุดวัดด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 20 - 21, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:35 AM - 12:40 AM	55.9	53.2	-	55.6	52.0	3.6
12:40 AM - 12:45 AM	56.4	53.5	-	56.3	51.9	4.4
12:45 AM - 12:50 AM	57.0	56.6	-	49.4	52.5	-3.1
12:50 AM - 12:55 AM	55.9	53.2	-	55.6	52.0	3.6
12:55 AM - 01:00 AM	56.1	53.8	-	55.2	52.1	3.1
01:00 AM - 01:05 AM	55.6	52.9	-	55.3	51.9	3.4
01:05 AM - 01:10 AM	56.0	53.2	-	55.8	52.0	3.8
01:10 AM - 01:15 AM	55.6	52.3	-	55.9	51.7	4.2
01:15 AM - 01:20 AM	55.8	53.0	-	55.6	51.7	3.9
01:20 AM - 01:25 AM	55.4	52.1	-	55.7	51.5	4.2
01:25 AM - 01:30 AM	55.7	52.2	-	56.1	51.6	4.5
01:30 AM - 01:35 AM	55.7	52.4	-	56.0	51.8	4.2
01:35 AM - 01:40 AM	55.7	52.3	-	56.0	51.9	4.1
01:40 AM - 01:45 AM	55.8	52.5	-	56.1	52.0	4.1
01:45 AM - 01:50 AM	56.3	53.3	-	56.3	52.1	4.2
01:50 AM - 01:55 AM	55.7	52.3	-	56.0	51.9	4.1
01:55 AM - 02:00 AM	55.7	52.4	-	56.0	51.9	4.1
02:00 AM - 02:05 AM	55.7	52.4	-	56.0	52.0	4.0
02:05 AM - 02:10 AM	55.8	52.7	-	55.9	52.1	3.8
02:10 AM - 02:15 AM	55.6	52.6	-	55.6	52.1	3.5
02:15 AM - 02:20 AM	56.0	53.3	-	55.7	52.2	3.5
02:20 AM - 02:25 AM	56.3	53.5	-	56.1	52.3	3.8
02:25 AM - 02:30 AM	56.1	52.9	-	56.3	52.4	3.9
02:30 AM - 02:35 AM	56.0	53.1	-	55.9	52.6	3.3
02:35 AM - 02:40 AM	56.3	53.8	-	55.7	52.5	3.2
02:40 AM - 02:45 AM	55.7	53.0	-	55.4	52.5	2.9
02:45 AM - 02:50 AM	55.5	52.9	-	55.0	52.4	2.6
02:50 AM - 02:55 AM	55.3	52.7	-	54.8	52.2	2.6
02:55 AM - 03:00 AM	55.4	52.8	-	54.9	52.3	2.6
03:00 AM - 03:05 AM	55.9	53.3	-	55.4	52.4	3.0
03:05 AM - 03:10 AM	55.9	53.5	-	55.2	52.4	2.8
03:10 AM - 03:15 AM	55.7	53.3	-	55.0	52.7	2.3
03:15 AM - 03:20 AM	55.8	53.6	-	54.8	52.5	2.3
03:20 AM - 03:25 AM	55.3	53.0	-	54.4	52.4	2.0
03:25 AM - 03:30 AM	55.3	53.1	-	54.3	52.6	1.7
03:30 AM - 03:35 AM	55.7	54.1	-	53.6	52.8	0.8
03:35 AM - 03:40 AM	55.6	54.1	-	53.3	52.9	0.4
03:40 AM - 03:45 AM	55.9	55.9	-	n/a	53.5	-
03:45 AM - 03:50 AM	55.6	57.3	-	n/a	53.7	-
03:50 AM - 03:55 AM	55.9	57.7	-	n/a	53.6	-

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442477-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-4
Parameter เสียงรบกวน
Location จุดวัดด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 20 - 21, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:55 AM - 04:00 AM	56.1	58.5	-	n/a	54.8	-
04:00 AM - 04:05 AM	56.8	61.2	-	n/a	57.7	-
04:05 AM - 04:10 AM	58.1	61.7	-	n/a	58.4	-
04:10 AM - 04:15 AM	59.1	63.2	-	n/a	60.2	-
04:15 AM - 04:20 AM	58.3	61.8	-	n/a	55.4	-
04:20 AM - 04:25 AM	58.6	61.4	-	n/a	58.5	-
04:25 AM - 04:30 AM	61.0	63.2	-	n/a	60.6	-
04:30 AM - 04:35 AM	63.0	65.3	-	n/a	62.7	-
04:35 AM - 04:40 AM	64.7	68.4	-	n/a	66.5	-
04:40 AM - 04:45 AM	64.6	66.6	-	n/a	64.4	-
04:45 AM - 04:50 AM	62.2	63.4	-	n/a	60.4	-
04:50 AM - 04:55 AM	59.3	59.4	-	n/a	54.2	-
04:55 AM - 05:00 AM	57.7	57.6	-	44.3	53.0	-8.7
05:00 AM - 05:05 AM	56.7	57.0	-	n/a	53.0	-
05:05 AM - 05:10 AM	57.4	57.7	-	n/a	54.2	-
05:10 AM - 05:15 AM	57.9	58.6	-	n/a	54.8	-
05:15 AM - 05:20 AM	57.5	58.3	-	n/a	54.7	-
05:20 AM - 05:25 AM	58.9	59.4	-	n/a	54.9	-
05:25 AM - 05:30 AM	59.9	60.1	-	n/a	55.8	-
05:30 AM - 05:35 AM	60.9	61.8	-	n/a	56.0	-
05:35 AM - 05:40 AM	59.8	60.7	-	n/a	55.9	-
05:40 AM - 05:45 AM	59.5	60.4	-	n/a	55.4	-
05:45 AM - 05:50 AM	59.3	60.5	-	n/a	56.0	-
05:50 AM - 05:55 AM	58.6	58.4	-	48.1	56.0	-7.9
05:55 AM - 06:00 AM	59.6	59.5	-	46.2	55.8	-9.6
06:00 AM - 07:00 AM	58.7	58.5	45.2	-	56.3	-11.1
07:00 AM - 08:00 AM	59.3	58.7	50.4	-	57.6	-7.2
08:00 AM - 09:00 AM	57.6	57.6	n/a	-	56.8	-
09:00 AM - 10:00 AM	58.0	57.8	44.5	-	56.9	-12.4
10:00 AM - 11:00 AM	57.0	56.3	48.7	-	55.5	-6.8
11:00 AM - 12:00 PM	57.3	57.3	n/a	-	56.4	-
12:00 PM - 01:00 PM	57.3	57.2	40.9	-	56.5	-15.6
มาตรฐาน						≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 20-21 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2598902-4 วันที่ตรวจวัด 20-21 ตุลาคม 2568)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442478-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-5
Parameter เสียงรบกวน
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 21 - 22, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
01:00 PM - 02:00 PM	58.3	57.8	48.7	-	57.0	-8.3
02:00 PM - 03:00 PM	58.9	58.4	49.3	-	57.2	-7.9
03:00 PM - 04:00 PM	60.8	60.0	53.1	-	57.8	-4.7
04:00 PM - 05:00 PM	64.1	61.2	61.0	-	57.5	3.5
05:00 PM - 06:00 PM	58.0	57.2	50.3	-	56.6	-6.3
06:00 PM - 07:00 PM	57.4	57.1	45.6	-	56.2	-10.6
07:00 PM - 08:00 PM	57.6	57.8	n/a	-	56.6	-
08:00 PM - 09:00 PM	55.8	53.9	51.3	-	53.4	2.1
09:00 PM - 10:00 PM	56.1	53.7	52.4	-	53.0	-0.6
10:00 PM - 10:05 PM	56.3	53.2	-	56.4	52.6	3.8
10:05 PM - 10:10 PM	57.1	53.5	-	57.6	53.1	4.5
10:10 PM - 10:15 PM	59.3	55.8	-	59.7	53.7	6.0
10:15 PM - 10:20 PM	56.5	52.5	-	57.3	51.7	5.6
10:20 PM - 10:25 PM	56.3	52.7	-	56.8	52.2	4.6
10:25 PM - 10:30 PM	56.1	53.0	-	56.2	52.0	4.2
10:30 PM - 10:35 PM	55.1	52.4	-	54.8	51.7	3.1
10:35 PM - 10:40 PM	55.1	52.4	-	54.8	51.7	3.1
10:40 PM - 10:45 PM	54.7	51.9	-	54.5	51.5	3.0
10:45 PM - 10:50 PM	54.8	52.0	-	54.6	51.5	3.1
10:50 PM - 10:55 PM	54.6	51.7	-	54.5	51.3	3.2
10:55 PM - 11:00 PM	54.7	52.1	-	54.2	51.4	2.8
11:00 PM - 11:05 PM	54.4	51.7	-	54.1	51.3	2.8
11:05 PM - 11:10 PM	54.4	51.8	-	53.9	51.2	2.7
11:10 PM - 11:15 PM	54.4	51.9	-	53.8	51.2	2.6
11:15 PM - 11:20 PM	54.3	51.7	-	53.8	51.1	2.7
11:20 PM - 11:25 PM	54.2	51.6	-	53.7	51.2	2.5
11:25 PM - 11:30 PM	54.2	51.6	-	53.7	51.2	2.5
11:30 PM - 11:35 PM	54.2	51.7	-	53.6	51.2	2.4
11:35 PM - 11:40 PM	54.4	52.0	-	53.7	51.1	2.6
11:40 PM - 11:45 PM	54.4	52.1	-	53.5	51.3	2.2
11:45 PM - 11:50 PM	54.8	52.5	-	53.9	51.2	2.7
11:50 PM - 11:55 PM	55.1	52.9	-	54.1	51.5	2.6
11:55 PM - 12:00 AM	55.4	52.9	-	54.8	51.5	3.3
12:00 AM - 12:05 AM	55.7	52.8	-	55.6	51.5	4.1
12:05 AM - 12:10 AM	54.9	52.3	-	54.4	51.4	3.0
12:10 AM - 12:15 AM	54.6	52.1	-	54.0	51.3	2.7
12:15 AM - 12:20 AM	54.7	52.4	-	53.8	51.5	2.3
12:20 AM - 12:25 AM	54.5	52.2	-	53.6	51.3	2.3
12:25 AM - 12:30 AM	54.8	52.2	-	54.3	51.5	2.8
12:30 AM - 12:35 AM	54.9	53.1	-	54.2	51.6	2.6

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442478-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-5
Parameter เสียงรบกวน
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 21 - 22, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:35 AM - 12:40 AM	55.2	53.1	-	54.0	51.6	2.4
12:40 AM - 12:45 AM	54.4	52.2	-	53.4	51.4	2.0
12:45 AM - 12:50 AM	54.5	52.5	-	53.2	51.5	1.7
12:50 AM - 12:55 AM	54.4	53.0	-	53.7	51.3	2.4
12:55 AM - 01:00 AM	54.4	52.4	-	53.1	51.2	1.9
01:00 AM - 01:05 AM	54.6	52.3	-	53.7	51.4	2.3
01:05 AM - 01:10 AM	54.4	52.1	-	53.5	51.4	2.1
01:10 AM - 01:15 AM	54.2	51.9	-	53.3	51.4	1.9
01:15 AM - 01:20 AM	54.2	51.8	-	53.5	51.4	2.1
01:20 AM - 01:25 AM	54.3	51.9	-	53.6	51.4	2.2
01:25 AM - 01:30 AM	54.2	51.9	-	53.3	51.4	1.9
01:30 AM - 01:35 AM	54.3	51.9	-	53.6	51.5	2.1
01:35 AM - 01:40 AM	54.4	52.0	-	53.7	51.6	2.1
01:40 AM - 01:45 AM	54.4	52.0	-	53.7	51.6	2.1
01:45 AM - 01:50 AM	54.5	52.0	-	53.9	51.6	2.3
01:50 AM - 01:55 AM	54.7	52.4	-	53.8	51.8	2.0
01:55 AM - 02:00 AM	54.4	52.0	-	53.7	51.7	2.0
02:00 AM - 02:05 AM	54.8	52.2	-	54.3	51.8	2.5
02:05 AM - 02:10 AM	54.8	52.4	-	54.1	52.0	2.1
02:10 AM - 02:15 AM	55.2	52.9	-	54.3	51.9	2.4
02:15 AM - 02:20 AM	54.9	52.5	-	54.2	52.0	2.2
02:20 AM - 02:25 AM	55.3	53.0	-	54.4	52.1	2.3
02:25 AM - 02:30 AM	55.2	53.4	-	53.5	51.9	1.6
02:30 AM - 02:35 AM	55.1	52.5	-	54.6	52.1	2.5
02:35 AM - 02:40 AM	55.2	52.9	-	54.3	52.0	2.3
02:40 AM - 02:45 AM	55.2	53.0	-	54.2	52.1	2.1
02:45 AM - 02:50 AM	55.0	52.5	-	54.4	52.1	2.3
02:50 AM - 02:55 AM	55.3	52.8	-	54.6	52.1	2.5
02:55 AM - 03:00 AM	55.2	52.9	-	54.3	52.1	2.0
03:00 AM - 03:05 AM	55.4	53.4	-	54.1	52.5	1.6
03:05 AM - 03:10 AM	55.9	53.8	-	54.7	52.8	1.9
03:10 AM - 03:15 AM	55.4	53.5	-	53.9	52.8	1.1
03:15 AM - 03:20 AM	55.7	55.3	-	48.1	52.9	-4.8
03:20 AM - 03:25 AM	55.4	55.6	-	n/a	53.0	-
03:25 AM - 03:30 AM	56.7	56.4	-	47.9	53.6	-5.7
03:30 AM - 03:35 AM	56.0	57.0	-	n/a	53.7	-
03:35 AM - 03:40 AM	55.7	58.6	-	n/a	54.2	-
03:40 AM - 03:45 AM	55.9	58.3	-	n/a	54.6	-
03:45 AM - 03:50 AM	55.8	59.5	-	n/a	55.2	-
03:50 AM - 03:55 AM	56.2	60.2	-	n/a	56.9	-

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Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442478-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-5
Parameter เสียงรบกวน
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 21 - 22, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:55 AM - 04:00 AM	56.7	60.9	-	n/a	57.3	-
04:00 AM - 04:05 AM	58.4	62.7	-	n/a	59.2	-
04:05 AM - 04:10 AM	60.0	64.0	-	n/a	60.7	-
04:10 AM - 04:15 AM	61.8	65.1	-	n/a	62.3	-
04:15 AM - 04:20 AM	60.9	65.0	-	n/a	62.1	-
04:20 AM - 04:25 AM	61.0	65.8	-	n/a	63.5	-
04:25 AM - 04:30 AM	62.1	66.8	-	n/a	64.4	-
04:30 AM - 04:35 AM	64.5	65.1	-	n/a	61.1	-
04:35 AM - 04:40 AM	65.7	68.7	-	n/a	66.9	-
04:40 AM - 04:45 AM	64.5	67.5	-	n/a	65.6	-
04:45 AM - 04:50 AM	61.5	63.2	-	n/a	59.3	-
04:50 AM - 04:55 AM	57.6	58.7	-	n/a	53.9	-
04:55 AM - 05:00 AM	58.0	57.4	-	52.1	53.6	-1.5
05:00 AM - 05:05 AM	57.6	57.0	-	51.7	53.8	-2.1
05:05 AM - 05:10 AM	57.9	57.8	-	44.5	55.1	-10.6
05:10 AM - 05:15 AM	57.6	58.0	-	n/a	55.0	-
05:15 AM - 05:20 AM	57.7	57.2	-	51.1	54.9	-3.8
05:20 AM - 05:25 AM	57.2	57.5	-	n/a	54.9	-
05:25 AM - 05:30 AM	60.8	61.9	-	n/a	55.7	-
05:30 AM - 05:35 AM	58.5	59.0	-	n/a	53.9	-
05:35 AM - 05:40 AM	59.7	60.9	-	n/a	54.6	-
05:40 AM - 05:45 AM	59.9	60.8	-	n/a	56.0	-
05:45 AM - 05:50 AM	58.4	57.8	-	52.5	54.6	-2.1
05:50 AM - 05:55 AM	57.9	58.2	-	n/a	55.0	-
05:55 AM - 06:00 AM	58.3	59.2	-	n/a	55.4	-
06:00 AM - 07:00 AM	57.8	57.9	n/a	-	56.2	-
07:00 AM - 08:00 AM	59.3	58.5	51.6	-	57.5	-5.9
08:00 AM - 09:00 AM	57.5	57.4	41.1	-	56.6	-15.5
09:00 AM - 10:00 AM	58.0	57.6	47.4	-	56.6	-9.2
10:00 AM - 11:00 AM	57.2	56.3	49.9	-	55.5	-5.6
11:00 AM - 12:00 PM	58.0	57.4	49.1	-	56.5	-7.4
12:00 PM - 01:00 PM	58.6	58.8	n/a	-	57.0	-

ค่ามาตรฐาน ≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 21-22 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2598902-5 วันที่ตรวจวัด 21-22 ตุลาคม 2568)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442479-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-6
Parameter เสียงรบกวน
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 22 - 23, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
01:00 PM - 02:00 PM	58.2	58.4	n/a	-	57.0	-
02:00 PM - 03:00 PM	58.1	58.0	41.7	-	57.0	-15.3
03:00 PM - 04:00 PM	60.5	60.1	49.9	-	58.7	-8.8
04:00 PM - 05:00 PM	65.0	66.8	n/a	-	65.0	-
05:00 PM - 06:00 PM	58.1	57.2	50.8	-	56.5	-5.7
06:00 PM - 07:00 PM	57.9	57.0	50.6	-	56.1	-5.5
07:00 PM - 08:00 PM	57.8	57.4	47.2	-	56.4	-9.2
08:00 PM - 09:00 PM	56.3	53.9	52.6	-	53.2	-0.6
09:00 PM - 10:00 PM	58.0	54.1	55.7	-	53.3	2.4
10:00 PM - 10:05 PM	57.2	53.5	-	57.8	52.7	5.1
10:05 PM - 10:10 PM	57.5	53.0	-	58.6	52.4	6.2
10:10 PM - 10:15 PM	59.4	54.2	-	61.8	53.1	7.7
10:15 PM - 10:20 PM	58.9	54.3	-	60.1	52.0	8.1
10:20 PM - 10:25 PM	58.5	52.6	-	60.2	52.1	8.1
10:25 PM - 10:30 PM	58.5	52.7	-	60.2	52.2	8.0
10:30 PM - 10:35 PM	58.4	52.5	-	60.1	51.8	8.3
10:35 PM - 10:40 PM	58.5	52.8	-	60.1	52.0	8.1
10:40 PM - 10:45 PM	58.6	52.4	-	60.4	51.8	8.6
10:45 PM - 10:50 PM	58.2	54.1	-	59.1	51.9	7.2
10:50 PM - 10:55 PM	56.1	51.7	-	57.1	51.2	5.9
10:55 PM - 11:00 PM	55.9	51.9	-	56.7	51.2	5.5
11:00 PM - 11:05 PM	55.3	52.5	-	55.1	51.5	3.6
11:05 PM - 11:10 PM	54.7	52.1	-	54.2	51.2	3.0
11:10 PM - 11:15 PM	54.4	51.4	-	54.4	50.9	3.5
11:15 PM - 11:20 PM	54.3	51.5	-	54.1	50.9	3.2
11:20 PM - 11:25 PM	54.2	51.4	-	54.0	50.9	3.1
11:25 PM - 11:30 PM	54.0	51.4	-	53.5	50.9	2.6
11:30 PM - 11:35 PM	53.9	51.4	-	53.3	50.8	2.5
11:35 PM - 11:40 PM	54.3	51.5	-	54.1	50.9	3.2
11:40 PM - 11:45 PM	55.8	53.0	-	55.6	51.4	4.2
11:45 PM - 11:50 PM	55.8	53.4	-	55.1	51.9	3.2
11:50 PM - 11:55 PM	54.9	52.6	-	54.0	51.4	2.6
11:55 PM - 12:00 AM	54.5	52.4	-	53.3	51.1	2.2
12:00 AM - 12:05 AM	54.6	52.4	-	53.6	50.9	2.7
12:05 AM - 12:10 AM	54.9	52.6	-	54.0	51.1	2.9
12:10 AM - 12:15 AM	54.2	52.0	-	53.2	51.2	2.0
12:15 AM - 12:20 AM	54.1	51.6	-	53.5	51.0	2.5
12:20 AM - 12:25 AM	54.5	52.0	-	53.9	50.9	3.0
12:25 AM - 12:30 AM	54.2	52.0	-	53.2	51.2	2.0
12:30 AM - 12:35 AM	54.1	51.8	-	53.2	50.9	2.3

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Approved by
Kanokkorn Anek
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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442479-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-6
Parameter เสียงรบกวน
Location จิรกิ่วด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 22 - 23, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:35 AM - 12:40 AM	54.7	52.7	-	53.4	50.7	2.7
12:40 AM - 12:45 AM	54.3	52.1	-	53.3	51.1	2.2
12:45 AM - 12:50 AM	55.3	53.2	-	54.1	50.9	3.2
12:50 AM - 12:55 AM	54.7	53.0	-	52.8	51.0	1.8
12:55 AM - 01:00 AM	55.0	52.3	-	54.7	50.9	3.8
01:00 AM - 01:05 AM	55.1	52.5	-	54.6	51.2	3.4
01:05 AM - 01:10 AM	55.3	53.4	-	53.8	51.1	2.7
01:10 AM - 01:15 AM	54.5	52.0	-	53.9	51.1	2.8
01:15 AM - 01:20 AM	54.8	52.2	-	54.3	50.8	3.5
01:20 AM - 01:25 AM	54.2	51.4	-	54.0	50.8	3.2
01:25 AM - 01:30 AM	53.9	51.5	-	53.2	50.9	2.3
01:30 AM - 01:35 AM	54.1	51.5	-	53.6	50.9	2.7
01:35 AM - 01:40 AM	54.1	51.6	-	53.5	50.9	2.6
01:40 AM - 01:45 AM	54.0	51.6	-	53.3	51.0	2.3
01:45 AM - 01:50 AM	54.1	51.4	-	53.8	51.0	2.8
01:50 AM - 01:55 AM	54.2	51.8	-	53.5	51.2	2.3
01:55 AM - 02:00 AM	54.4	52.0	-	53.7	51.1	2.6
02:00 AM - 02:05 AM	54.3	51.5	-	54.1	51.0	3.1
02:05 AM - 02:10 AM	54.2	51.7	-	53.6	51.1	2.5
02:10 AM - 02:15 AM	54.3	51.6	-	54.0	51.2	2.8
02:15 AM - 02:20 AM	55.1	53.0	-	53.9	51.4	2.5
02:20 AM - 02:25 AM	54.5	52.1	-	53.8	51.6	2.2
02:25 AM - 02:30 AM	55.0	52.4	-	54.5	51.4	3.1
02:30 AM - 02:35 AM	54.8	52.2	-	54.3	51.6	2.7
02:35 AM - 02:40 AM	54.9	52.3	-	54.4	51.8	2.6
02:40 AM - 02:45 AM	54.9	52.7	-	53.9	51.9	2.0
02:45 AM - 02:50 AM	55.1	52.6	-	54.5	52.1	2.4
02:50 AM - 02:55 AM	54.9	52.7	-	53.9	52.2	1.7
02:55 AM - 03:00 AM	54.7	52.4	-	53.8	51.9	1.9
03:00 AM - 03:05 AM	54.9	52.2	-	54.6	51.8	2.8
03:05 AM - 03:10 AM	55.5	53.5	-	54.2	52.1	2.1
03:10 AM - 03:15 AM	55.0	52.7	-	54.1	52.1	2.0
03:15 AM - 03:20 AM	55.0	53.3	-	53.1	52.1	1.0
03:20 AM - 03:25 AM	56.3	54.7	-	54.2	52.2	2.0
03:25 AM - 03:30 AM	57.7	56.6	-	54.2	53.3	0.9
03:30 AM - 03:35 AM	56.9	55.0	-	55.4	52.7	2.7
03:35 AM - 03:40 AM	57.2	56.1	-	53.7	53.4	0.3
03:40 AM - 03:45 AM	58.0	58.1	-	n/a	54.7	-
03:45 AM - 03:50 AM	59.1	59.0	-	45.7	55.6	-9.9
03:50 AM - 03:55 AM	60.6	60.4	-	50.1	57.2	-7.1

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442479-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-6
Parameter เสียงรบกวน
Location จิรกิ่วด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 22 - 23, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:55 AM - 04:00 AM	61.3	60.2	-	57.8	57.9	-0.1
04:00 AM - 04:05 AM	61.5	61.1	-	53.9	59.2	-5.3
04:05 AM - 04:10 AM	61.2	60.0	-	58.0	57.2	0.8
04:10 AM - 04:15 AM	62.0	62.8	-	n/a	60.1	-
04:15 AM - 04:20 AM	61.2	61.3	-	n/a	58.6	-
04:20 AM - 04:25 AM	61.6	61.3	-	52.8	58.9	-6.1
04:25 AM - 04:30 AM	63.5	63.0	-	56.9	61.0	-4.1
04:30 AM - 04:35 AM	66.3	64.5	-	64.6	62.7	1.9
04:35 AM - 04:40 AM	66.7	67.0	-	n/a	65.1	-
04:40 AM - 04:45 AM	63.9	65.5	-	n/a	63.1	-
04:45 AM - 04:50 AM	61.4	61.0	-	53.8	57.0	-3.2
04:50 AM - 04:55 AM	57.2	57.0	-	46.7	52.9	-6.2
04:55 AM - 05:00 AM	55.9	55.4	-	49.3	52.3	-3.0
05:00 AM - 05:05 AM	56.8	55.4	-	54.2	52.2	2.0
05:05 AM - 05:10 AM	56.1	54.6	-	53.8	53.3	0.5
05:10 AM - 05:15 AM	57.1	56.2	-	52.8	53.7	-0.9
05:15 AM - 05:20 AM	56.7	56.2	-	50.1	54.2	-4.1
05:20 AM - 05:25 AM	59.5	59.1	-	51.9	54.7	-2.8
05:25 AM - 05:30 AM	58.2	58.0	-	47.7	54.4	-6.7
05:30 AM - 05:35 AM	60.1	61.0	-	n/a	55.2	-
05:35 AM - 05:40 AM	60.5	60.3	-	50.0	54.6	-4.6
05:40 AM - 05:45 AM	59.4	60.4	-	n/a	55.2	-
05:45 AM - 05:50 AM	57.5	57.5	-	n/a	54.8	-
05:50 AM - 05:55 AM	58.0	58.2	-	n/a	55.0	-
05:55 AM - 06:00 AM	57.9	57.8	-	n/a	54.9	-
06:00 AM - 07:00 AM	57.5	57.5	n/a	-	55.6	-
07:00 AM - 08:00 AM	59.1	57.8	53.2	-	57.0	-3.8
08:00 AM - 09:00 AM	57.3	56.9	46.7	-	56.2	-9.5
09:00 AM - 10:00 AM	57.8	57.6	44.3	-	56.5	-12.2
10:00 AM - 11:00 AM	57.4	56.7	49.1	-	55.7	-6.6
11:00 AM - 12:00 PM	57.8	57.5	46.0	-	56.5	-10.5
12:00 PM - 01:00 PM	57.6	57.4	44.1	-	56.5	-12.4
ค่ามาตรฐาน						≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงลงเมื่อ 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงที่เหมาะสมเพื่อการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 22-23 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2598902-6 วันที่ตรวจวัด 22-23 ตุลาคม 2568)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442480-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-7
Parameter เสียงรบกวน
Location จิรกิ่วด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 23 - 24, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
01:00 PM - 02:00 PM	57.8	57.5	46.0	-	57.0	-11.0
02:00 PM - 03:00 PM	57.8	57.4	47.2	-	57.0	-9.8
03:00 PM - 04:00 PM	61.6	61.7	n/a	-	58.7	-
04:00 PM - 05:00 PM	63.7	64.8	n/a	-	65.0	-
05:00 PM - 06:00 PM	56.4	55.9	46.8	-	56.5	-9.7
06:00 PM - 07:00 PM	56.5	56.3	43.0	-	56.1	-13.1
07:00 PM - 08:00 PM	57.3	56.9	46.7	-	56.4	-9.7
08:00 PM - 09:00 PM	56.0	53.8	52.0	-	53.2	-1.2
09:00 PM - 10:00 PM	55.5	53.3	51.5	-	53.3	-1.8
10:00 PM - 10:05 PM	55.2	52.7	-	54.6	52.7	1.9
10:05 PM - 10:10 PM	55.9	52.5	-	56.2	52.4	3.8
10:10 PM - 10:15 PM	59.1	54.3	-	60.4	53.1	7.3
10:15 PM - 10:20 PM	56.2	54.1	-	55.0	52.0	3.0
10:20 PM - 10:25 PM	55.4	51.5	-	56.1	52.1	4.0
10:25 PM - 10:30 PM	55.0	51.3	-	55.6	52.2	3.4
10:30 PM - 10:35 PM	54.6	51.2	-	54.9	51.8	3.1
10:35 PM - 10:40 PM	54.4	50.9	-	54.8	52.0	2.8
10:40 PM - 10:45 PM	55.4	52.6	-	55.2	51.8	3.4
10:45 PM - 10:50 PM	54.3	50.8	-	54.7	51.9	2.8
10:50 PM - 10:55 PM	54.2	50.7	-	54.6	51.2	3.4
10:55 PM - 11:00 PM	54.3	50.9	-	54.6	51.2	3.4
11:00 PM - 11:05 PM	54.2	51.7	-	53.6	51.5	2.1
11:05 PM - 11:10 PM	54.0	51.9	-	52.8	51.2	1.6
11:10 PM - 11:15 PM	53.9	51.7	-	52.9	50.9	2.0
11:15 PM - 11:20 PM	54.0	51.0	-	54.0	50.9	3.1
11:20 PM - 11:25 PM	54.0	50.9	-	54.1	50.9	3.2
11:25 PM - 11:30 PM	53.6	50.6	-	53.6	50.9	2.7
11:30 PM - 11:35 PM	53.6	50.5	-	53.7	50.8	2.9
11:35 PM - 11:40 PM	53.6	50.6	-	53.6	50.9	2.7
11:40 PM - 11:45 PM	53.8	50.7	-	53.9	51.4	2.5
11:45 PM - 11:50 PM	53.8	50.7	-	53.9	51.9	2.0
11:50 PM - 11:55 PM	54.1	50.9	-	54.3	51.4	2.9
11:55 PM - 12:00 AM	53.8	50.7	-	53.9	51.1	2.8
12:00 AM - 12:05 AM	53.9	50.7	-	54.1	50.9	3.2
12:05 AM - 12:10 AM	53.9	50.8	-	54.0	51.1	2.9
12:10 AM - 12:15 AM	53.9	50.8	-	54.0	51.2	2.8
12:15 AM - 12:20 AM	53.7	50.6	-	53.8	51.0	2.8
12:20 AM - 12:25 AM	53.5	50.5	-	53.5	50.9	2.6
12:25 AM - 12:30 AM	53.6	50.5	-	53.7	51.2	2.5
12:30 AM - 12:35 AM	53.6	50.6	-	53.6	50.9	2.7

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442480-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-7
Parameter เสียงรบกวน
Location จิรกิ่วด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 23 - 24, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:35 AM - 12:40 AM	53.6	50.7	-	53.5	50.7	2.8
12:40 AM - 12:45 AM	53.6	50.6	-	53.6	51.1	2.5
12:45 AM - 12:50 AM	53.5	50.5	-	53.5	50.9	2.6
12:50 AM - 12:55 AM	54.6	51.7	-	54.5	51.0	3.5
12:55 AM - 01:00 AM	53.8	50.9	-	53.7	50.9	2.8
01:00 AM - 01:05 AM	53.8	50.7	-	53.9	51.2	2.7
01:05 AM - 01:10 AM	53.8	50.9	-	53.7	51.1	2.6
01:10 AM - 01:15 AM	53.7	50.7	-	53.7	51.1	2.6
01:15 AM - 01:20 AM	53.6	50.6	-	53.6	50.8	2.8
01:20 AM - 01:25 AM	53.6	50.7	-	53.5	50.8	2.7
01:25 AM - 01:30 AM	53.7	50.7	-	53.7	50.9	2.8
01:30 AM - 01:35 AM	53.7	50.7	-	53.7	50.9	2.8
01:35 AM - 01:40 AM	53.6	50.7	-	53.5	50.9	2.6
01:40 AM - 01:45 AM	53.7	50.8	-	53.6	51.0	2.6
01:45 AM - 01:50 AM	53.8	50.8	-	53.8	51.0	2.8
01:50 AM - 01:55 AM	54.1	51.3	-	53.9	51.2	2.7
01:55 AM - 02:00 AM	53.7	51.2	-	53.1	51.1	2.0
02:00 AM - 02:05 AM	53.9	51.0	-	53.8	51.0	2.8
02:05 AM - 02:10 AM	53.9	51.1	-	53.7	51.1	2.6
02:10 AM - 02:15 AM	53.9	51.1	-	53.7	51.2	2.5
02:15 AM - 02:20 AM	54.5	52.1	-	53.8	51.4	2.4
02:20 AM - 02:25 AM	54.5	51.3	-	54.7	51.6	3.1
02:25 AM - 02:30 AM	54.2	51.8	-	53.5	51.4	2.1
02:30 AM - 02:35 AM	54.2	51.4	-	54.0	51.6	2.4
02:35 AM - 02:40 AM	54.8	51.6	-	55.0	51.8	3.2
02:40 AM - 02:45 AM	54.6	52.9	-	52.7	51.9	0.8
02:45 AM - 02:50 AM	54.3	51.6	-	54.0	52.1	1.9
02:50 AM - 02:55 AM	54.4	51.7	-	54.1	52.2	1.9
02:55 AM - 03:00 AM	54.3	51.6	-	54.0	51.9	2.1
03:00 AM - 03:05 AM	55.7	52.5	-	55.9	51.8	4.1
03:05 AM - 03:10 AM	54.6	52.5	-	53.4	52.1	1.3
03:10 AM - 03:15 AM	54.7	52.3	-	54.0	52.1	1.9
03:15 AM - 03:20 AM	54.7	52.4	-	53.8	52.1	1.7
03:20 AM - 03:25 AM	54.7	52.9	-	53.0	52.2	0.8
03:25 AM - 03:30 AM	54.9	54.7	-	44.4	53.3	-8.9
03:30 AM - 03:35 AM	56.3	56.3	-	n/a	52.7	-
03:35 AM - 03:40 AM	56.3	56.8	-	n/a	53.4	-
03:40 AM - 03:45 AM	56.7	57.8	-	n/a	54.7	-
03:45 AM - 03:50 AM	57.5	59.7	-	n/a	55.6	-
03:50 AM - 03:55 AM	58.7	61.2	-	n/a	57.2	-

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442480-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-7
Parameter เสียงรบกวน
Location จุดวัดด้านทิศใต้ของโครงการ (GPS 47P 671368, 1576143)
Measurement Date Oct 23 - 24, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572563

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:55 AM - 04:00 AM	58.4	62.3	-	n/a	57.9	-
04:00 AM - 04:05 AM	59.0	63.0	-	n/a	59.2	-
04:05 AM - 04:10 AM	59.9	64.1	-	n/a	57.2	-
04:10 AM - 04:15 AM	61.4	64.2	-	n/a	60.1	-
04:15 AM - 04:20 AM	61.1	64.5	-	n/a	58.6	-
04:20 AM - 04:25 AM	61.4	63.6	-	n/a	58.9	-
04:25 AM - 04:30 AM	63.4	63.2	-	52.9	61.0	-8.1
04:30 AM - 04:35 AM	65.8	65.5	-	57.0	62.7	-5.7
04:35 AM - 04:40 AM	67.1	67.7	-	n/a	65.1	-
04:40 AM - 04:45 AM	63.4	65.5	-	n/a	63.1	-
04:45 AM - 04:50 AM	60.5	61.9	-	n/a	57.0	-
04:50 AM - 04:55 AM	57.1	56.8	-	48.3	52.9	-4.6
04:55 AM - 05:00 AM	56.2	55.0	-	53.0	52.3	0.7
05:00 AM - 05:05 AM	56.1	55.0	-	52.6	52.2	0.4
05:05 AM - 05:10 AM	56.5	54.9	-	54.4	53.3	1.1
05:10 AM - 05:15 AM	56.7	56.5	-	46.2	53.7	-7.5
05:15 AM - 05:20 AM	57.6	56.9	-	52.3	54.2	1.9
05:20 AM - 05:25 AM	57.1	56.4	-	51.8	54.7	-2.9
05:25 AM - 05:30 AM	60.0	60.7	-	n/a	54.4	-
05:30 AM - 05:35 AM	61.5	62.6	-	n/a	55.2	-
05:35 AM - 05:40 AM	59.1	59.9	-	n/a	54.6	-
05:40 AM - 05:45 AM	59.7	61.4	-	n/a	55.2	-
05:45 AM - 05:50 AM	59.4	60.2	-	n/a	54.8	-
05:50 AM - 05:55 AM	58.7	59.3	-	n/a	55.0	-
05:55 AM - 06:00 AM	58.3	58.9	-	n/a	54.9	-
06:00 AM - 07:00 AM	57.8	57.6	44.3	-	55.6	-11.3
07:00 AM - 08:00 AM	59.6	58.6	52.7	-	57.0	-4.3
08:00 AM - 09:00 AM	57.9	57.8	41.5	-	56.2	-14.7
09:00 AM - 10:00 AM	58.7	58.4	46.9	-	56.5	-9.6
10:00 AM - 11:00 AM	58.3	57.3	51.4	-	55.7	-4.3
11:00 AM - 12:00 PM	57.6	57.1	48.0	-	56.5	-8.5
12:00 PM - 01:00 PM	58.7	56.6	54.5	-	56.5	-2.0
ค่ามาตรฐาน						≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 23-24 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2598902-7 วันที่ตรวจวัด 23-24 ตุลาคม 2568)
3. n/a: ไม่สามารถหาค่าบวกของระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442481-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-8
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านเลน (GPS 47P 670718, 1575775)
Measurement Date Oct 17 - 18, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
02:00 PM - 03:00 PM	51.7	58.4	n/a	-	43.9	-
03:00 PM - 04:00 PM	50.5	46.1	48.5	-	40.5	8.0
04:00 PM - 05:00 PM	48.8	44.5	46.8	-	40.9	5.9
05:00 PM - 06:00 PM	52.1	56.5	n/a	-	41.3	-
06:00 PM - 07:00 PM	63.0	62.3	54.7	-	56.5	-1.8
07:00 PM - 08:00 PM	55.5	53.0	51.9	-	47.6	4.3
08:00 PM - 09:00 PM	53.4	52.1	47.5	-	48.0	-0.5
09:00 PM - 10:00 PM	54.1	53.9	40.6	-	47.6	-7.0
10:00 PM - 10:05 PM	53.9	54.1	-	n/a	48.3	-
10:05 PM - 10:10 PM	53.6	51.0	-	53.1	48.7	4.4
10:10 PM - 10:15 PM	52.0	50.0	-	50.7	48.0	2.7
10:15 PM - 10:20 PM	51.5	51.4	-	38.1	49.1	-11.0
10:20 PM - 10:25 PM	49.4	48.8	-	43.5	47.6	-4.1
10:25 PM - 10:30 PM	51.2	53.7	-	n/a	49.0	-
10:30 PM - 10:35 PM	54.2	53.2	-	50.3	48.3	2.0
10:35 PM - 10:40 PM	49.2	49.0	-	38.7	47.9	-9.2
10:40 PM - 10:45 PM	49.1	48.8	-	40.3	47.5	-7.2
10:45 PM - 10:50 PM	49.8	49.6	-	39.3	47.9	-8.6
10:50 PM - 10:55 PM	49.1	48.6	-	42.5	47.5	-5.0
10:55 PM - 11:00 PM	50.8	50.7	-	37.4	47.3	-9.9
11:00 PM - 11:05 PM	50.0	49.2	-	45.3	46.8	-1.5
11:05 PM - 11:10 PM	50.4	50.0	-	42.8	47.3	-4.5
11:10 PM - 11:15 PM	48.7	47.7	-	44.8	46.5	-1.7
11:15 PM - 11:20 PM	49.4	50.0	-	n/a	47.7	-
11:20 PM - 11:25 PM	51.8	51.4	-	44.2	49.7	-5.5
11:25 PM - 11:30 PM	51.5	51.0	-	44.9	49.9	-5.0
11:30 PM - 11:35 PM	56.3	50.8	-	57.9	49.3	8.6
11:35 PM - 11:40 PM	51.7	50.2	-	49.4	47.6	1.8
11:40 PM - 11:45 PM	51.5	50.8	-	46.3	48.5	-2.0
11:45 PM - 11:50 PM	51.4	51.4	-	n/a	47.5	-
11:50 PM - 11:55 PM	49.1	48.3	-	44.4	47.2	-2.8
11:55 PM - 12:00 AM	50.6	50.8	-	n/a	47.2	-
12:00 AM - 12:05 AM	48.3	48.3	-	n/a	47.5	-
12:05 AM - 12:10 AM	48.7	48.3	-	41.1	47.4	-6.3
12:10 AM - 12:15 AM	48.1	48.2	-	n/a	47.2	-
12:15 AM - 12:20 AM	48.7	49.8	-	n/a	47.4	-
12:20 AM - 12:25 AM	50.1	49.0	-	46.6	47.3	-0.7
12:25 AM - 12:30 AM	48.2	48.2	-	n/a	47.3	-
12:30 AM - 12:35 AM	48.2	48.2	-	n/a	47.1	-
12:35 AM - 12:40 AM	48.9	49.3	-	n/a	47.3	-

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Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442481-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-8
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านเลน (GPS 47P 670718, 1575775)
Measurement Date Oct 17 - 18, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:40 AM - 12:45 AM	50.1	50.2	-	n/a	47.9	-
12:45 AM - 12:50 AM	49.0	48.3	-	43.7	47.3	-3.6
12:50 AM - 12:55 AM	50.9	51.5	-	n/a	46.7	-
12:55 AM - 01:00 AM	52.1	52.3	-	n/a	46.1	-
01:00 AM - 01:05 AM	50.2	49.7	-	43.6	46.1	-2.5
01:05 AM - 01:10 AM	49.3	49.0	-	40.5	46.9	-6.4
01:10 AM - 01:15 AM	48.4	47.9	-	41.8	46.5	-4.7
01:15 AM - 01:20 AM	47.6	47.9	-	n/a	45.8	-
01:20 AM - 01:25 AM	49.0	48.1	-	44.7	46.2	-1.5
01:25 AM - 01:30 AM	48.2	48.5	-	n/a	46.8	-
01:30 AM - 01:35 AM	48.3	48.6	-	n/a	46.5	-
01:35 AM - 01:40 AM	50.0	49.8	-	39.5	46.4	-6.9
01:40 AM - 01:45 AM	47.4	47.4	-	n/a	46.0	-
01:45 AM - 01:50 AM	48.3	48.3	-	n/a	45.8	-
01:50 AM - 01:55 AM	47.4	46.2	-	44.2	44.9	-0.7
01:55 AM - 02:00 AM	46.2	46.0	-	35.7	44.5	-8.8
02:00 AM - 02:05 AM	45.8	45.7	-	32.4	44.6	-12.2
02:05 AM - 02:10 AM	45.7	44.9	-	41.0	43.9	-2.9
02:10 AM - 02:15 AM	46.2	45.8	-	38.6	44.6	-6.0
02:15 AM - 02:20 AM	47.7	49.6	-	n/a	44.8	-
02:20 AM - 02:25 AM	49.7	48.1	-	47.6	45.9	1.7
02:25 AM - 02:30 AM	53.0	49.7	-	53.3	46.3	7.0
02:30 AM - 02:35 AM	48.3	48.1	-	37.8	45.8	-8.0
02:35 AM - 02:40 AM	46.6	47.7	-	n/a	45.6	-
02:40 AM - 02:45 AM	47.7	46.5	-	44.5	45.4	-0.9
02:45 AM - 02:50 AM	46.6	47.8	-	n/a	46.0	-
02:50 AM - 02:55 AM	56.7	61.1	-	n/a	50.6	-
02:55 AM - 03:00 AM	64.6	65.9	-	n/a	58.1	-
03:00 AM - 03:05 AM	61.6	57.8	-	62.3	55.1	7.2
03:05 AM - 03:10 AM	55.6	52.2	-	55.9	49.7	6.2
03:10 AM - 03:15 AM	52.7	51.9	-	48.0	49.7	-1.7
03:15 AM - 03:20 AM	54.2	51.9	-	53.3	50.3	3.0
03:20 AM - 03:25 AM	56.1	56.4	-	n/a	52.3	-
03:25 AM - 03:30 AM	51.6	50.8	-	46.9	49.3	-2.4
03:30 AM - 03:35 AM	48.6	48.2	-	41.0	46.6	-5.6
03:35 AM - 03:40 AM	47.4	46.8	-	41.5	45.3	-3.8
03:40 AM - 03:45 AM	47.7	49.2	-	n/a	45.5	-
03:45 AM - 03:50 AM	45.4	45.6	-	n/a	44.5	-
03:50 AM - 03:55 AM	44.9	45.9	-	n/a	45.2	-
03:55 AM - 04:00 AM	44.6	46.0	-	n/a	45.4	-

This above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442481-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-8
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านเลน (GPS 47P 670718, 1575775)
Measurement Date Oct 17 - 18, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:00 AM - 04:05 AM	45.5	45.9	-	n/a	44.9	-
04:05 AM - 04:10 AM	49.2	46.6	-	48.7	44.9	3.8
04:10 AM - 04:15 AM	44.2	45.0	-	n/a	44.2	-
04:15 AM - 04:20 AM	45.4	45.4	-	n/a	44.0	-
04:20 AM - 04:25 AM	59.7	52.2	-	61.8	43.0	18.8
04:25 AM - 04:30 AM	43.7	44.3	-	n/a	43.2	-
04:30 AM - 04:35 AM	44.2	46.2	-	n/a	45.6	-
04:35 AM - 04:40 AM	56.9	50.0	-	58.9	45.3	13.6
04:40 AM - 04:45 AM	44.4	45.2	-	n/a	42.9	-
04:45 AM - 04:50 AM	42.1	43.7	-	n/a	42.7	-
04:50 AM - 04:55 AM	42.1	43.7	-	n/a	42.7	-
04:55 AM - 05:00 AM	41.4	43.1	-	n/a	42.5	-
05:00 AM - 05:05 AM	42.9	44.3	-	n/a	42.5	-
05:05 AM - 05:10 AM	46.2	48.3	-	n/a	42.9	-
05:10 AM - 05:15 AM	43.1	45.8	-	n/a	43.7	-
05:15 AM - 05:20 AM	41.4	44.0	-	n/a	43.0	-
05:20 AM - 05:25 AM	41.7	45.3	-	n/a	43.0	-
05:25 AM - 05:30 AM	44.3	45.2	-	n/a	43.6	-
05:30 AM - 05:35 AM	44.4	46.1	-	n/a	43.9	-
05:35 AM - 05:40 AM	43.2	45.5	-	n/a	43.8	-
05:40 AM - 05:45 AM	43.2	44.9	-	n/a	44.1	-
05:45 AM - 05:50 AM	43.3	45.6	-	n/a	44.6	-
05:50 AM - 05:55 AM	45.0	47.8	-	n/a	45.3	-
05:55 AM - 06:00 AM	46.8	45.5	-	43.9	44.2	+0.3
06:00 AM - 07:00 AM	54.9	56.0	n/a	-	50.5	-
07:00 AM - 08:00 AM	49.3	48.8	39.7	-	46.3	-6.6
08:00 AM - 09:00 AM	53.3	54.4	n/a	-	49.6	-
09:00 AM - 10:00 AM	55.9	54.1	51.2	-	51.1	0.1
10:00 AM - 11:00 AM	58.2	58.8	n/a	-	55.5	-
11:00 AM - 12:00 PM	60.9	60.5	50.3	-	53.8	-3.5
12:00 PM - 01:00 PM	56.7	51.6	55.1	-	47.8	7.3
01:00 PM - 02:00 PM	52.4	54.2	n/a	-	45.1	-
ค่ามาตรฐาน						≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 17-18 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2598902-8 วันที่ตรวจวัด 17-18 ตุลาคม 2568)
3. n/a: ไม่สามารถหาค่าบวกของระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

This above results are valid only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442482-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-9
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date Oct 18 - 19, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
02:00 PM - 03:00 PM	53.7	51.0	50.4	-	43.5	6.9
03:00 PM - 04:00 PM	56.2	55.0	50.0	-	47.3	2.7
04:00 PM - 05:00 PM	53.6	50.5	50.7	-	44.4	6.3
05:00 PM - 06:00 PM	53.3	52.6	45.0	-	47.7	-2.7
06:00 PM - 07:00 PM	53.0	52.1	45.7	-	44.3	1.4
07:00 PM - 08:00 PM	54.8	51.1	52.4	-	43.0	9.4
08:00 PM - 09:00 PM	57.4	51.4	56.1	-	44.4	11.7
09:00 PM - 10:00 PM	52.9	49.9	49.9	-	46.1	3.8
10:00 PM - 10:05 PM	50.8	48.3	-	48.1	45.1	3.0
10:05 PM - 10:10 PM	47.3	48.8	-	n/a	46.2	-
10:10 PM - 10:15 PM	48.1	47.9	-	37.6	45.6	8.0
10:15 PM - 10:20 PM	48.2	46.5	-	46.3	44.9	1.4
10:20 PM - 10:25 PM	46.7	46.4	-	37.9	43.4	5.5
10:25 PM - 10:30 PM	47.3	47.6	-	n/a	44.6	-
10:30 PM - 10:35 PM	48.7	48.3	-	41.1	45.1	-4.0
10:35 PM - 10:40 PM	48.9	48.0	-	44.6	45.9	-1.3
10:40 PM - 10:45 PM	49.3	46.9	-	48.6	44.4	4.2
10:45 PM - 10:50 PM	46.4	47.3	-	n/a	43.7	-
10:50 PM - 10:55 PM	48.9	46.8	-	47.7	43.4	4.3
10:55 PM - 11:00 PM	49.4	45.8	-	49.9	43.4	6.5
11:00 PM - 11:05 PM	46.0	44.7	-	43.1	41.9	1.2
11:05 PM - 11:10 PM	45.1	44.3	-	40.4	41.8	-1.4
11:10 PM - 11:15 PM	44.3	43.5	-	39.6	41.4	-1.8
11:15 PM - 11:20 PM	44.5	43.1	-	41.9	40.8	1.1
11:20 PM - 11:25 PM	46.5	44.7	-	44.8	41.8	3.0
11:25 PM - 11:30 PM	45.7	45.5	-	35.2	42.5	-7.3
11:30 PM - 11:35 PM	43.5	43.2	-	34.7	41.7	-7.0
11:35 PM - 11:40 PM	42.8	42.9	-	n/a	40.6	-
11:40 PM - 11:45 PM	44.2	42.3	-	42.7	38.4	4.3
11:45 PM - 11:50 PM	44.4	44.2	-	33.9	39.8	-5.9
11:50 PM - 11:55 PM	42.3	41.5	-	37.6	39.8	-2.2
11:55 PM - 12:00 AM	43.4	43.4	-	n/a	41.9	-
12:00 AM - 12:05 AM	48.3	47.9	-	40.7	42.7	-2.0
12:05 AM - 12:10 AM	43.4	44.4	-	n/a	41.0	-
12:10 AM - 12:15 AM	47.2	47.7	-	n/a	41.9	-
12:15 AM - 12:20 AM	45.4	45.2	-	34.9	41.8	-6.9
12:20 AM - 12:25 AM	52.2	43.8	-	54.5	41.4	13.1
12:25 AM - 12:30 AM	52.4	52.1	-	43.6	42.0	1.6
12:30 AM - 12:35 AM	51.8	47.6	-	52.7	44.6	8.1
12:35 AM - 12:40 AM	44.9	48.1	-	n/a	43.8	-

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442482-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-9
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date Oct 18 - 19, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:40 AM - 12:45 AM	48.7	47.0	-	46.8	43.5	3.3
12:45 AM - 12:50 AM	48.1	48.7	-	n/a	43.4	-
12:50 AM - 12:55 AM	46.7	44.8	-	45.2	41.8	3.4
12:55 AM - 01:00 AM	47.2	47.4	-	n/a	42.4	-
01:00 AM - 01:05 AM	44.9	44.6	-	36.1	41.5	-5.4
01:05 AM - 01:10 AM	43.4	41.9	-	41.1	40.0	1.1
01:10 AM - 01:15 AM	44.2	44.3	-	n/a	41.9	-
01:15 AM - 01:20 AM	43.7	45.7	-	n/a	42.1	-
01:20 AM - 01:25 AM	53.0	51.5	-	50.7	42.8	7.9
01:25 AM - 01:30 AM	44.7	43.1	-	42.6	42.0	0.6
01:30 AM - 01:35 AM	43.5	44.6	-	n/a	41.8	-
01:35 AM - 01:40 AM	43.3	40.7	-	42.8	39.3	3.5
01:40 AM - 01:45 AM	45.5	44.4	-	42.0	39.5	2.5
01:45 AM - 01:50 AM	42.1	41.6	-	35.5	40.1	-4.6
01:50 AM - 01:55 AM	41.5	41.3	-	31.0	40.5	-9.5
01:55 AM - 02:00 AM	44.4	45.0	-	n/a	39.7	-
02:00 AM - 02:05 AM	43.6	43.2	-	36.0	41.3	-5.3
02:05 AM - 02:10 AM	42.1	41.7	-	34.5	40.4	-5.9
02:10 AM - 02:15 AM	41.2	41.3	-	n/a	40.4	-
02:15 AM - 02:20 AM	41.1	42.0	-	n/a	40.6	-
02:20 AM - 02:25 AM	44.1	43.3	-	39.4	40.5	-1.1
02:25 AM - 02:30 AM	47.4	47.7	-	n/a	40.5	-
02:30 AM - 02:35 AM	42.7	42.8	-	n/a	40.6	-
02:35 AM - 02:40 AM	42.5	42.5	-	n/a	40.3	-
02:40 AM - 02:45 AM	42.2	43.2	-	n/a	41.4	-
02:45 AM - 02:50 AM	43.9	44.0	-	n/a	40.1	-
02:50 AM - 02:55 AM	42.2	43.6	-	n/a	40.9	-
02:55 AM - 03:00 AM	43.7	44.1	-	n/a	41.3	-
03:00 AM - 03:05 AM	43.6	44.7	-	n/a	43.2	-
03:05 AM - 03:10 AM	43.7	46.4	-	n/a	44.9	-
03:10 AM - 03:15 AM	48.1	51.1	-	n/a	47.1	-
03:15 AM - 03:20 AM	62.0	63.7	-	n/a	58.4	-
03:20 AM - 03:25 AM	55.3	52.4	-	55.2	46.2	9.0
03:25 AM - 03:30 AM	46.1	44.9	-	42.9	43.0	0.1
03:30 AM - 03:35 AM	43.8	44.5	-	n/a	41.4	-
03:35 AM - 03:40 AM	41.5	52.2	-	n/a	41.0	-
03:40 AM - 03:45 AM	47.6	67.6	-	n/a	40.8	-
03:45 AM - 03:50 AM	48.3	45.8	-	47.7	42.3	5.4
03:50 AM - 03:55 AM	46.8	47.0	-	n/a	42.8	-
03:55 AM - 04:00 AM	59.9	55.6	-	60.9	43.1	17.8

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Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442482-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-9
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date Oct 18 - 19, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:00 AM - 04:05 AM	61.7	52.2	-	64.2	40.1	24.1
04:05 AM - 04:10 AM	44.5	43.6	-	40.2	41.0	-0.8
04:10 AM - 04:15 AM	41.1	42.8	-	n/a	40.4	-
04:15 AM - 04:20 AM	38.7	43.2	-	n/a	42.0	-
04:20 AM - 04:25 AM	43.0	45.3	-	n/a	42.5	-
04:25 AM - 04:30 AM	41.6	44.5	-	n/a	41.9	-
04:30 AM - 04:35 AM	41.1	43.3	-	n/a	41.6	-
04:35 AM - 04:40 AM	45.3	44.7	-	39.4	42.4	-3.0
04:40 AM - 04:45 AM	41.9	44.9	-	n/a	42.3	-
04:45 AM - 04:50 AM	39.5	45.5	-	n/a	41.9	-
04:50 AM - 04:55 AM	44.1	45.1	-	n/a	42.6	-
04:55 AM - 05:00 AM	41.6	44.5	-	n/a	43.1	-
05:00 AM - 05:05 AM	44.1	46.2	-	n/a	42.5	-
05:05 AM - 05:10 AM	41.1	43.0	-	n/a	41.4	-
05:10 AM - 05:15 AM	46.0	48.3	-	n/a	45.2	-
05:15 AM - 05:20 AM	43.6	45.6	-	n/a	43.6	-
05:20 AM - 05:25 AM	51.3	53.8	-	n/a	49.9	-
05:25 AM - 05:30 AM	48.3	45.0	-	48.6	43.3	5.3
05:30 AM - 05:35 AM	43.6	49.1	-	n/a	41.9	-
05:35 AM - 05:40 AM	51.6	51.7	-	n/a	46.3	-
05:40 AM - 05:45 AM	47.5	46.8	-	42.2	42.2	0.0
05:45 AM - 05:50 AM	43.5	43.9	-	n/a	42.5	-
05:50 AM - 05:55 AM	44.2	44.4	-	n/a	43.2	-
05:55 AM - 06:00 AM	44.5	44.6	-	n/a	43.0	-
06:00 AM - 07:00 AM	50.3	47.8	46.7	-	44.3	2.4
07:00 AM - 08:00 AM	47.5	49.5	n/a	-	45.4	-
08:00 AM - 09:00 AM	58.4	58.6	n/a	-	55.2	-
09:00 AM - 10:00 AM	58.3	52.4	57.0	-	47.0	10.0
10:00 AM - 11:00 AM	58.8	58.7	42.4	-	51.9	-9.5
11:00 AM - 12:00 PM	55.9	55.1	48.2	-	50.3	-2.1
12:00 PM - 01:00 PM	56.0	55.5	46.4	-	50.2	-3.8
01:00 PM - 02:00 PM	54.2	53.4	46.5	-	48.4	-1.9

ค่ามาตรฐาน ≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 18-19 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2598902-9 วันที่ตรวจวัด 18-19 ตุลาคม 2568)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442483-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-10
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date Oct 19 - 20, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
02:00 PM - 03:00 PM	54.4	47.2	53.5	-	42.5	11.0
03:00 PM - 04:00 PM	54.0	50.4	51.5	-	42.4	9.1
04:00 PM - 05:00 PM	53.3	52.4	46.0	-	46.2	-0.2
05:00 PM - 06:00 PM	51.1	47.9	48.3	-	42.0	6.3
06:00 PM - 07:00 PM	54.6	49.1	53.2	-	43.5	9.7
07:00 PM - 08:00 PM	58.5	51.5	57.5	-	42.9	14.6
08:00 PM - 09:00 PM	54.9	49.9	53.2	-	43.6	9.6
09:00 PM - 10:00 PM	53.3	50.3	50.3	-	45.9	4.4
10:00 PM - 10:05 PM	48.5	48.4	-	35.1	46.3	-11.2
10:05 PM - 10:10 PM	48.4	48.3	-	35.0	45.8	-10.8
10:10 PM - 10:15 PM	48.1	56.5	-	n/a	46.6	-
10:15 PM - 10:20 PM	63.2	54.9	-	65.5	47.1	18.4
10:20 PM - 10:25 PM	51.8	48.6	-	52.0	46.0	6.0
10:25 PM - 10:30 PM	46.9	47.2	-	n/a	45.5	-
10:30 PM - 10:35 PM	49.2	48.3	-	44.9	45.9	-1.0
10:35 PM - 10:40 PM	50.2	48.8	-	47.6	46.4	1.2
10:40 PM - 10:45 PM	49.1	47.3	-	47.4	45.8	1.6
10:45 PM - 10:50 PM	49.9	49.3	-	44.0	46.6	-2.6
10:50 PM - 10:55 PM	51.0	50.7	-	42.2	46.7	-4.5
10:55 PM - 11:00 PM	61.9	56.4	-	63.5	47.6	15.9
11:00 PM - 11:05 PM	60.7	49.5	-	63.4	46.3	17.1
11:05 PM - 11:10 PM	48.2	47.8	-	40.6	44.8	-4.2
11:10 PM - 11:15 PM	50.0	48.2	-	48.3	45.4	2.9
11:15 PM - 11:20 PM	48.7	48.1	-	42.8	45.1	-2.3
11:20 PM - 11:25 PM	49.9	49.0	-	45.6	45.5	0.1
11:25 PM - 11:30 PM	51.6	47.7	-	52.3	45.1	7.2
11:30 PM - 11:35 PM	48.4	47.0	-	45.8	44.1	1.7
11:35 PM - 11:40 PM	53.5	50.9	-	53.0	45.3	7.7
11:40 PM - 11:45 PM	47.7	47.1	-	41.8	45.2	-3.4
11:45 PM - 11:50 PM	48.1	47.3	-	43.4	45.1	-1.7
11:50 PM - 11:55 PM	49.4	51.3	-	n/a	45.6	-
11:55 PM - 12:00 AM	51.8	47.9	-	52.5	46.0	6.5
12:00 AM - 12:05 AM	47.0	45.7	-	44.1	44.4	0.3
12:05 AM - 12:10 AM	47.1	46.7	-	49.5	45.3	4.2
12:10 AM - 12:15 AM	47.7	47.5	-	37.2	45.9	-8.7
12:15 AM - 12:20 AM	49.4	48.9	-	42.8	46.2	-3.4
12:20 AM - 12:25 AM	48.9	48.9	-	n/a	46.0	-
12:25 AM - 12:30 AM	48.7	47.6	-	49.2	45.7	0.5
12:30 AM - 12:35 AM	48.0	48.9	-	n/a	46.0	-
12:35 AM - 12:40 AM	49.5	49.0	-	42.9	45.7	-2.8

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442483-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-10
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date Oct 19 - 20, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:40 AM - 12:45 AM	50.0	49.6	-	42.4	46.8	-4.4
12:45 AM - 12:50 AM	48.9	47.6	-	46.0	44.5	1.5
12:50 AM - 12:55 AM	48.7	46.7	-	47.4	44.7	2.7
12:55 AM - 01:00 AM	49.8	50.0	-	n/a	45.0	-
01:00 AM - 01:05 AM	56.9	56.0	-	52.6	44.6	8.0
01:05 AM - 01:10 AM	46.2	45.3	-	41.9	43.5	-1.6
01:10 AM - 01:15 AM	69.6	63.2	-	71.5	45.0	26.5
01:15 AM - 01:20 AM	65.1	47.4	-	68.0	43.7	24.3
01:20 AM - 01:25 AM	48.5	48.1	-	40.9	43.4	-2.5
01:25 AM - 01:30 AM	49.3	45.8	-	49.7	43.8	5.9
01:30 AM - 01:35 AM	45.3	45.0	-	36.5	42.6	-6.1
01:35 AM - 01:40 AM	62.4	54.5	-	64.6	43.1	21.5
01:40 AM - 01:45 AM	58.9	54.4	-	60.0	42.8	17.2
01:45 AM - 01:50 AM	57.7	44.8	-	60.5	42.7	17.8
01:50 AM - 01:55 AM	60.8	53.8	-	62.8	43.2	19.6
01:55 AM - 02:00 AM	49.1	45.9	-	49.3	43.2	6.1
02:00 AM - 02:05 AM	45.3	44.1	-	42.1	42.8	-0.7
02:05 AM - 02:10 AM	44.7	43.5	-	41.5	42.4	-0.9
02:10 AM - 02:15 AM	44.5	57.7	-	n/a	42.2	-
02:15 AM - 02:20 AM	67.2	47.1	-	70.2	42.4	27.8
02:20 AM - 02:25 AM	46.1	46.0	-	32.7	43.9	-11.2
02:25 AM - 02:30 AM	45.2	44.4	-	40.5	43.1	-2.6
02:30 AM - 02:35 AM	59.5	53.8	-	61.1	42.5	18.6
02:35 AM - 02:40 AM	57.4	43.9	-	60.2	43.1	17.1
02:40 AM - 02:45 AM	46.1	45.9	-	35.6	43.5	-7.9
02:45 AM - 02:50 AM	44.3	44.3	-	n/a	43.1	-
02:50 AM - 02:55 AM	44.7	45.3	-	n/a	44.3	-
02:55 AM - 03:00 AM	44.9	44.8	-	31.5	44.0	-12.5
03:00 AM - 03:05 AM	44.4	44.4	-	n/a	43.3	-
03:05 AM - 03:10 AM	44.5	44.6	-	n/a	42.6	-
03:10 AM - 03:15 AM	48.0	46.7	-	45.1	43.6	1.5
03:15 AM - 03:20 AM	44.8	43.9	-	40.5	42.5	-2.0
03:20 AM - 03:25 AM	45.4	45.6	-	n/a	42.4	-
03:25 AM - 03:30 AM	48.1	44.8	-	48.4	42.5	5.9
03:30 AM - 03:35 AM	44.0	42.6	-	41.4	41.8	-0.4
03:35 AM - 03:40 AM	43.8	42.7	-	40.3	41.6	-1.3
03:40 AM - 03:45 AM	43.4	42.5	-	39.1	41.0	-1.9
03:45 AM - 03:50 AM	42.3	41.9	-	34.7	40.9	-6.2
03:50 AM - 03:55 AM	42.6	42.4	-	32.1	41.2	-9.1
03:55 AM - 04:00 AM	42.7	58.1	-	n/a	41.2	-

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Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442483-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-10
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date Oct 19 - 20, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:00 AM - 04:05 AM	47.8	43.3	-	48.9	42.1	6.8
04:05 AM - 04:10 AM	44.1	44.3	-	n/a	43.4	-
04:10 AM - 04:15 AM	44.0	44.7	-	n/a	44.0	-
04:15 AM - 04:20 AM	44.3	45.4	-	n/a	44.0	-
04:20 AM - 04:25 AM	48.2	45.4	-	48.0	43.8	4.2
04:25 AM - 04:30 AM	44.8	45.3	-	n/a	44.3	-
04:30 AM - 04:35 AM	43.8	44.3	-	n/a	43.2	-
04:35 AM - 04:40 AM	43.9	54.9	-	n/a	43.8	-
04:40 AM - 04:45 AM	64.2	52.8	-	66.9	44.1	22.8
04:45 AM - 04:50 AM	43.9	44.6	-	n/a	43.6	-
04:50 AM - 04:55 AM	43.7	43.9	-	n/a	42.7	-
04:55 AM - 05:00 AM	43.6	44.9	-	n/a	44.3	-
05:00 AM - 05:05 AM	43.6	45.4	-	n/a	44.7	-
05:05 AM - 05:10 AM	43.1	44.2	-	n/a	43.2	-
05:10 AM - 05:15 AM	44.2	45.5	-	n/a	43.3	-
05:15 AM - 05:20 AM	46.2	50.2	-	n/a	45.1	-
05:20 AM - 05:25 AM	48.5	47.6	-	44.2	45.8	-1.6
05:25 AM - 05:30 AM	44.8	45.5	-	n/a	44.8	-
05:30 AM - 05:35 AM	43.9	44.9	-	n/a	44.3	-
05:35 AM - 05:40 AM	44.2	45.7	-	n/a	44.2	-
05:40 AM - 05:45 AM	45.1	45.1	-	n/a	44.2	-
05:45 AM - 05:50 AM	44.3	47.2	-	n/a	44.2	-
05:50 AM - 05:55 AM	45.7	45.0	-	40.4	43.5	-3.1
05:55 AM - 06:00 AM	45.9	48.1	-	n/a	44.8	-
06:00 AM - 07:00 AM	45.9	47.6	n/a	-	45.3	-
07:00 AM - 08:00 AM	46.6	46.4	33.1	-	43.8	-10.7
08:00 AM - 09:00 AM	53.8	54.9	n/a	-	51.1	-
09:00 AM - 10:00 AM	52.1	51.3	44.4	-	47.4	-3.0
10:00 AM - 11:00 AM	52.6	50.7	48.1	-	48.2	-0.1
11:00 AM - 12:00 PM	58.0	62.0	n/a	-	49.3	-
12:00 PM - 01:00 PM	56.9	52.7	54.8	-	45.2	9.6
01:00 PM - 02:00 PM	54.8	49.2	53.4	-	42.9	10.5
ค่ามาตรฐาน						≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงจากรบกวน ระดับเสียงคงเดี่ยว 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงจากรบกวนและระดับเสียงพื้นที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงอุตสาหกรรมสุข เรื่อง กำหนดค่ามาตรฐานผลลัพธ์ทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 19-20 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2598902-10 วันที่ตรวจวัด 19-20 ตุลาคม 2568)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442484-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-11
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date Oct 20 - 21, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
02:00 PM - 03:00 PM	50.6	51.1	n/a	-	42.5	-
03:00 PM - 04:00 PM	56.4	48.7	55.1	-	42.5	12.6
04:00 PM - 05:00 PM	51.5	49.3	47.5	-	43.0	4.5
05:00 PM - 06:00 PM	58.9	51.8	58.0	-	43.3	14.7
06:00 PM - 07:00 PM	58.7	58.5	45.2	-	51.7	-6.5
07:00 PM - 08:00 PM	53.9	53.0	46.6	-	48.6	-2.0
08:00 PM - 09:00 PM	55.4	53.3	51.2	-	48.4	2.8
09:00 PM - 10:00 PM	53.1	52.3	45.4	-	47.8	-2.4
10:00 PM - 10:05 PM	47.1	49.4	-	n/a	47.5	-
10:05 PM - 10:10 PM	48.2	49.6	-	n/a	47.4	-
10:10 PM - 10:15 PM	49.3	51.1	-	n/a	47.8	-
10:15 PM - 10:20 PM	51.7	51.8	-	n/a	49.1	-
10:20 PM - 10:25 PM	50.7	51.1	-	n/a	48.2	-
10:25 PM - 10:30 PM	47.9	50.5	-	n/a	48.4	-
10:30 PM - 10:35 PM	50.1	50.9	-	n/a	49.2	-
10:35 PM - 10:40 PM	50.0	50.5	-	n/a	49.0	-
10:40 PM - 10:45 PM	49.2	49.5	-	n/a	48.0	-
10:45 PM - 10:50 PM	49.1	50.4	-	n/a	48.9	-
10:50 PM - 10:55 PM	50.8	51.5	-	n/a	48.6	-
10:55 PM - 11:00 PM	51.4	50.4	-	47.5	48.4	-0.9
11:00 PM - 11:05 PM	49.3	48.9	-	41.7	47.4	-5.7
11:05 PM - 11:10 PM	49.3	47.4	-	47.8	45.9	1.9
11:10 PM - 11:15 PM	52.7	52.3	-	45.1	45.9	-0.8
11:15 PM - 11:20 PM	47.5	48.3	-	n/a	45.8	-
11:20 PM - 11:25 PM	48.2	49.2	-	n/a	47.3	-
11:25 PM - 11:30 PM	48.0	48.8	-	n/a	47.2	-
11:30 PM - 11:35 PM	49.3	49.9	-	n/a	45.5	-
11:35 PM - 11:40 PM	48.3	49.2	-	n/a	46.0	-
11:40 PM - 11:45 PM	55.7	53.0	-	55.4	46.4	9.0
11:45 PM - 11:50 PM	48.5	48.3	-	38.0	45.7	-7.7
11:50 PM - 11:55 PM	47.2	48.4	-	n/a	45.5	-
11:55 PM - 12:00 AM	50.4	50.4	-	n/a	46.4	-
12:00 AM - 12:05 AM	49.6	50.2	-	n/a	46.4	-
12:05 AM - 12:10 AM	47.3	50.9	-	n/a	44.5	-
12:10 AM - 12:15 AM	51.7	45.7	-	53.4	43.7	9.7
12:15 AM - 12:20 AM	49.1	48.7	-	41.5	43.7	-2.2
12:20 AM - 12:25 AM	48.1	47.5	-	42.2	45.4	-3.2
12:25 AM - 12:30 AM	46.7	46.1	-	40.8	44.5	-3.7
12:30 AM - 12:35 AM	46.4	48.1	-	n/a	44.7	-
12:35 AM - 12:40 AM	48.9	46.0	-	48.8	44.9	3.9

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442484-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-11
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date Oct 20 - 21, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:40 AM - 12:45 AM	46.6	47.1	-	n/a	44.5	-
12:45 AM - 12:50 AM	46.5	45.7	-	41.8	44.2	-2.4
12:50 AM - 12:55 AM	46.5	45.5	-	42.6	43.4	-0.8
12:55 AM - 01:00 AM	49.3	48.3	-	45.4	43.2	2.2
01:00 AM - 01:05 AM	45.8	46.3	-	n/a	44.4	-
01:05 AM - 01:10 AM	44.8	44.6	-	34.3	43.6	-9.3
01:10 AM - 01:15 AM	44.1	44.9	-	n/a	43.8	-
01:15 AM - 01:20 AM	46.8	46.8	-	n/a	43.9	-
01:20 AM - 01:25 AM	46.5	46.1	-	38.9	43.9	-5.0
01:25 AM - 01:30 AM	44.3	45.0	-	n/a	43.8	-
01:30 AM - 01:35 AM	44.3	44.7	-	n/a	43.7	-
01:35 AM - 01:40 AM	45.2	47.1	-	n/a	43.4	-
01:40 AM - 01:45 AM	46.5	44.1	-	45.8	43.0	2.8
01:45 AM - 01:50 AM	42.7	43.3	-	n/a	42.5	-
01:50 AM - 01:55 AM	54.2	50.3	-	54.9	42.9	12.0
01:55 AM - 02:00 AM	42.7	43.0	-	n/a	41.9	-
02:00 AM - 02:05 AM	41.7	42.4	-	n/a	41.2	-
02:05 AM - 02:10 AM	41.6	42.1	-	n/a	41.3	-
02:10 AM - 02:15 AM	41.6	42.2	-	n/a	41.4	-
02:15 AM - 02:20 AM	40.1	42.3	-	n/a	41.2	-
02:20 AM - 02:25 AM	41.0	43.9	-	n/a	41.0	-
02:25 AM - 02:30 AM	42.3	42.1	-	31.8	40.0	-8.2
02:30 AM - 02:35 AM	41.6	43.4	-	n/a	41.0	-
02:35 AM - 02:40 AM	64.1	52.3	-	62.3	40.9	21.4
02:40 AM - 02:45 AM	58.7	52.3	-	60.6	40.2	20.4
02:45 AM - 02:50 AM	57.9	50.0	-	60.1	40.3	19.8
02:50 AM - 02:55 AM	56.7	41.3	-	59.6	40.4	19.2
02:55 AM - 03:00 AM	45.7	46.7	-	n/a	40.7	-
03:00 AM - 03:05 AM	42.3	42.4	-	n/a	41.0	-
03:05 AM - 03:10 AM	69.1	60.2	-	71.5	41.5	30.0
03:10 AM - 03:15 AM	41.6	43.0	-	n/a	41.8	-
03:15 AM - 03:20 AM	41.1	42.8	-	n/a	41.3	-
03:20 AM - 03:25 AM	42.0	45.0	-	n/a	42.5	-
03:25 AM - 03:30 AM	41.8	43.3	-	n/a	42.2	-
03:30 AM - 03:35 AM	40.1	43.4	-	n/a	41.5	-
03:35 AM - 03:40 AM	43.8	42.1	-	41.9	40.3	1.6
03:40 AM - 03:45 AM	40.4	41.6	-	n/a	40.3	-
03:45 AM - 03:50 AM	41.4	43.0	-	n/a	40.8	-
03:50 AM - 03:55 AM	40.7	46.1	-	n/a	41.9	-
03:55 AM - 04:00 AM	45.3	49.2	-	n/a	42.3	-

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Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442484-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-11
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date Oct 20 - 21, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:00 AM - 04:05 AM	44.7	46.9	-	n/a	41.4	-
04:05 AM - 04:10 AM	42.8	44.0	-	n/a	42.0	-
04:10 AM - 04:15 AM	42.1	45.3	-	n/a	41.7	-
04:15 AM - 04:20 AM	47.4	49.9	-	n/a	42.0	-
04:20 AM - 04:25 AM	42.6	50.2	-	n/a	42.5	-
04:25 AM - 04:30 AM	55.8	56.2	-	n/a	42.6	-
04:30 AM - 04:35 AM	41.0	42.5	-	n/a	40.7	-
04:35 AM - 04:40 AM	48.3	52.7	-	n/a	41.1	-
04:40 AM - 04:45 AM	61.4	59.2	-	60.4	42.8	17.6
04:45 AM - 04:50 AM	67.3	47.6	-	70.3	44.8	25.5
04:50 AM - 04:55 AM	51.6	47.8	-	52.3	45.4	6.9
04:55 AM - 05:00 AM	45.3	46.9	-	n/a	45.8	-
05:00 AM - 05:05 AM	39.5	46.8	-	n/a	44.9	-
05:05 AM - 05:10 AM	38.3	46.4	-	n/a	44.4	-
05:10 AM - 05:15 AM	40.8	45.7	-	n/a	43.4	-
05:15 AM - 05:20 AM	40.2	45.8	-	n/a	44.0	-
05:20 AM - 05:25 AM	42.2	45.5	-	n/a	43.5	-
05:25 AM - 05:30 AM	38.1	44.6	-	n/a	43.2	-
05:30 AM - 05:35 AM	38.0	42.7	-	n/a	40.8	-
05:35 AM - 05:40 AM	37.5	41.3	-	n/a	39.3	-
05:40 AM - 05:45 AM	37.1	39.4	-	n/a	38.0	-
05:45 AM - 05:50 AM	36.8	40.5	-	n/a	37.4	-
05:50 AM - 05:55 AM	39.5	45.7	-	n/a	44.5	-
05:55 AM - 06:00 AM	42.9	46.2	-	n/a	44.6	-
06:00 AM - 07:00 AM	53.4	50.0	50.7	-	43.9	6.8
07:00 AM - 08:00 AM	41.9	44.3	n/a	-	41.9	-
08:00 AM - 09:00 AM	49.5	49.3	36.0	-	45.3	-9.3
09:00 AM - 10:00 AM	51.7	50.5	45.5	-	46.9	-1.4
10:00 AM - 11:00 AM	55.3	52.4	52.2	-	48.2	4.0
11:00 AM - 12:00 PM	53.7	52.4	47.8	-	47.3	0.5
12:00 PM - 01:00 PM	51.7	49.7	47.4	-	43.3	4.1
01:00 PM - 02:00 PM	56.7	50.2	55.6	-	42.7	12.9
มาตรฐาน						≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 20-21 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2598902-11 วันที่ตรวจวัด 20-21 ตุลาคม 2568)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442485-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-12
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date Oct 21 - 22, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
02:00 PM - 03:00 PM	50.6	49.7	43.3	-	44.9	-1.6
03:00 PM - 04:00 PM	54.8	55.7	n/a	-	44.7	-
04:00 PM - 05:00 PM	54.9	51.2	52.5	-	44.6	7.9
05:00 PM - 06:00 PM	55.1	49.3	53.8	-	45.8	8.0
06:00 PM - 07:00 PM	56.2	57.1	n/a	-	47.2	-
07:00 PM - 08:00 PM	53.7	57.5	n/a	-	47.4	-
08:00 PM - 09:00 PM	56.9	53.2	54.5	-	48.9	5.6
09:00 PM - 10:00 PM	56.4	53.0	53.7	-	48.1	5.6
10:00 PM - 10:05 PM	50.8	50.9	-	n/a	48.6	-
10:05 PM - 10:10 PM	51.3	50.9	-	43.7	48.4	-4.7
10:10 PM - 10:15 PM	51.9	51.4	-	45.3	48.7	-3.4
10:15 PM - 10:20 PM	52.0	51.2	-	47.3	49.2	-1.9
10:20 PM - 10:25 PM	51.8	50.6	-	48.6	47.5	1.1
10:25 PM - 10:30 PM	50.1	50.0	-	36.7	48.8	-12.1
10:30 PM - 10:35 PM	51.2	50.6	-	45.3	49.2	-3.9
10:35 PM - 10:40 PM	50.1	49.3	-	45.4	48.3	-2.9
10:40 PM - 10:45 PM	51.1	50.7	-	43.5	48.9	-5.4
10:45 PM - 10:50 PM	49.7	48.5	-	46.5	47.0	-0.5
10:50 PM - 10:55 PM	50.4	49.5	-	46.1	47.3	-1.2
10:55 PM - 11:00 PM	49.5	48.6	-	45.2	46.7	-1.5
11:00 PM - 11:05 PM	49.0	48.2	-	44.3	46.9	-2.6
11:05 PM - 11:10 PM	49.8	48.5	-	46.9	47.0	-0.1
11:10 PM - 11:15 PM	57.1	55.7	-	54.5	47.5	7.0
11:15 PM - 11:20 PM	49.3	49.2	-	35.9	47.8	-11.9
11:20 PM - 11:25 PM	50.9	50.2	-	45.6	48.8	-3.2
11:25 PM - 11:30 PM	52.0	51.6	-	44.4	49.5	-5.1
11:30 PM - 11:35 PM	51.4	49.6	-	49.7	47.1	2.6
11:35 PM - 11:40 PM	50.0	49.9	-	36.6	47.0	-10.4
11:40 PM - 11:45 PM	53.5	52.7	-	50.6	47.4	3.2
11:45 PM - 11:50 PM	50.2	48.9	-	47.3	47.4	-0.1
11:50 PM - 11:55 PM	52.6	56.2	-	n/a	48.0	-
11:55 PM - 12:00 AM	62.7	49.7	-	65.5	46.8	18.7
12:00 AM - 12:05 AM	53.1	51.6	-	50.8	47.6	3.2
12:05 AM - 12:10 AM	50.0	49.0	-	46.1	47.6	-1.5
12:10 AM - 12:15 AM	54.7	50.6	-	53.6	47.8	7.8
12:15 AM - 12:20 AM	51.2	50.6	-	45.3	47.9	-2.6
12:20 AM - 12:25 AM	54.1	53.1	-	50.2	49.6	0.6
12:25 AM - 12:30 AM	51.4	50.6	-	46.7	48.2	-1.5
12:30 AM - 12:35 AM	50.6	49.3	-	47.7	47.1	0.6
12:35 AM - 12:40 AM	50.3	48.7	-	43.6	47.3	-3.6

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Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442485-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-12
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date Oct 21 - 22, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:40 AM - 12:45 AM	51.6	51.9	-	n/a	47.1	-
12:45 AM - 12:50 AM	60.9	53.6	-	63.0	47.2	15.8
12:50 AM - 12:55 AM	51.3	51.3	-	n/a	47.6	-
12:55 AM - 01:00 AM	49.1	49.2	-	n/a	47.8	-
01:00 AM - 01:05 AM	49.2	49.1	-	35.8	46.6	-10.8
01:05 AM - 01:10 AM	49.6	48.8	-	44.9	45.7	-0.8
01:10 AM - 01:15 AM	49.5	50.1	-	n/a	46.7	-
01:15 AM - 01:20 AM	51.2	50.3	-	46.9	47.2	-0.3
01:20 AM - 01:25 AM	49.6	48.6	-	45.7	46.8	-1.1
01:25 AM - 01:30 AM	48.2	48.8	-	n/a	47.3	-
01:30 AM - 01:35 AM	48.1	50.2	-	n/a	48.1	-
01:35 AM - 01:40 AM	50.1	49.7	-	42.5	47.5	-5.0
01:40 AM - 01:45 AM	47.1	48.5	-	n/a	46.4	-
01:45 AM - 01:50 AM	46.6	47.2	-	n/a	45.7	-
01:50 AM - 01:55 AM	52.9	54.1	-	n/a	46.2	-
01:55 AM - 02:00 AM	69.2	62.3	-	71.2	47.2	24.0
02:00 AM - 02:05 AM	47.4	52.9	-	n/a	46.2	-
02:05 AM - 02:10 AM	58.3	49.2	-	60.7	46.4	14.3
02:10 AM - 02:15 AM	50.7	50.5	-	40.2	46.7	-6.5
02:15 AM - 02:20 AM	48.0	46.7	-	45.1	45.5	-0.4
02:20 AM - 02:25 AM	47.2	47.2	-	n/a	45.3	-
02:25 AM - 02:30 AM	47.5	47.9	-	n/a	45.9	-
02:30 AM - 02:35 AM	48.8	49.7	-	n/a	47.6	-
02:35 AM - 02:40 AM	49.1	50.2	-	n/a	47.4	-
02:40 AM - 02:45 AM	47.3	48.6	-	n/a	47.1	-
02:45 AM - 02:50 AM	48.5	50.7	-	n/a	47.9	-
02:50 AM - 02:55 AM	47.6	50.6	-	n/a	48.3	-
02:55 AM - 03:00 AM	47.8	49.6	-	n/a	48.4	-
03:00 AM - 03:05 AM	47.3	48.9	-	n/a	47.2	-
03:05 AM - 03:10 AM	49.5	51.7	-	n/a	47.1	-
03:10 AM - 03:15 AM	55.0	51.4	-	55.5	49.2	6.3
03:15 AM - 03:20 AM	48.2	47.4	-	43.5	45.6	-2.1
03:20 AM - 03:25 AM	47.8	46.5	-	44.9	44.8	0.1
03:25 AM - 03:30 AM	55.6	50.0	-	56.3	44.9	11.4
03:30 AM - 03:35 AM	46.5	45.5	-	42.6	44.6	-2.0
03:35 AM - 03:40 AM	46.5	45.4	-	43.0	44.5	-1.5
03:40 AM - 03:45 AM	46.2	45.1	-	42.7	43.7	-1.0
03:45 AM - 03:50 AM	45.7	44.8	-	41.4	43.8	-2.4
03:50 AM - 03:55 AM	46.3	45.2	-	42.8	44.4	-1.6
03:55 AM - 04:00 AM	48.2	47.7	-	41.6	43.8	-2.2

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Measurement Date Oct 21 - 22, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:00 AM - 04:05 AM	45.9	45.3	-	40.0	44.3	-4.3
04:05 AM - 04:10 AM	46.6	46.8	-	n/a	44.6	-
04:10 AM - 04:15 AM	61.1	52.3	-	63.5	44.1	19.4
04:15 AM - 04:20 AM	61.5	52.1	-	64.0	44.4	19.6
04:20 AM - 04:25 AM	46.4	46.4	-	n/a	45.1	-
04:25 AM - 04:30 AM	47.8	47.2	-	41.9	45.5	-3.6
04:30 AM - 04:35 AM	68.4	59.6	-	68.4	45.5	22.9
04:35 AM - 04:40 AM	64.0	51.0	-	66.8	46.8	20.0
04:40 AM - 04:45 AM	59.0	52.0	-	61.0	45.4	15.6
04:45 AM - 04:50 AM	52.3	48.4	-	53.0	46.6	6.4
04:50 AM - 04:55 AM	47.5	46.5	-	n/a	44.7	-
04:55 AM - 05:00 AM	46.1	45.4	-	40.8	44.5	-3.7
05:00 AM - 05:05 AM	63.6	54.1	-	66.1	44.8	21.3
05:05 AM - 05:10 AM	46.1	45.7	-	38.5	44.8	-6.3
05:10 AM - 05:15 AM	46.0	45.7	-	37.2	44.8	-7.6
05:15 AM - 05:20 AM	45.9	46.3	-	n/a	45.0	-
05:20 AM - 05:25 AM	45.7	45.8	-	n/a	45.0	-
05:25 AM - 05:30 AM	45.6	45.4	-	35.1	44.6	-9.5
05:30 AM - 05:35 AM	47.1	47.4	-	n/a	44.6	-
05:35 AM - 05:40 AM	45.6	45.6	-	n/a	44.9	-
05:40 AM - 05:45 AM	45.4	45.4	-	n/a	44.7	-
05:45 AM - 05:50 AM	45.4	50.6	-	n/a	44.3	-
05:50 AM - 05:55 AM	58.8	46.4	-	61.5	44.1	17.4
05:55 AM - 06:00 AM	46.3	46.4	-	n/a	43.9	-
06:00 AM - 07:00 AM	47.4	46.2	41.2	-	44.1	-2.9
07:00 AM - 08:00 AM	46.5	46.2	34.7	-	43.9	-9.2
08:00 AM - 09:00 AM	49.2	48.1	42.7	-	44.9	-2.2
09:00 AM - 10:00 AM	59.9	53.5	58.8	-	46.6	12.2
10:00 AM - 11:00 AM	62.0	54.5	61.1	-	48.2	12.9
11:00 AM - 12:00 PM	54.0	59.8	n/a	-	47.7	-
12:00 PM - 01:00 PM	51.0	50.0	44.1	-	46.3	-2.2
01:00 PM - 02:00 PM	50.1	48.7	44.5	-	45.2	-0.7
มาตรฐาน						≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 21-22 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2598902-12 วันที่ตรวจวัด 21-22 ตุลาคม 2568)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

This above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442486-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-13
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date Oct 22 - 23, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
02:00 PM - 03:00 PM	52.6	49.9	49.3	-	45.7	3.6
03:00 PM - 04:00 PM	51.8	57.4	n/a	-	45.6	-
04:00 PM - 05:00 PM	54.3	50.4	52.0	-	46.2	5.8
05:00 PM - 06:00 PM	50.7	49.0	45.8	-	46.0	0.8
06:00 PM - 07:00 PM	59.7	54.2	58.3	-	48.9	9.4
07:00 PM - 08:00 PM	56.9	56.1	49.2	-	46.8	2.4
08:00 PM - 09:00 PM	54.9	57.5	n/a	-	48.4	-
09:00 PM - 10:00 PM	54.2	52.7	48.9	-	48.9	0.0
10:00 PM - 10:05 PM	50.9	50.2	-	45.6	48.3	-2.7
10:05 PM - 10:10 PM	49.1	48.9	-	38.6	47.8	-8.8
10:10 PM - 10:15 PM	51.5	50.9	-	45.6	48.2	2.6
10:15 PM - 10:20 PM	66.9	59.0	-	69.1	47.9	21.2
10:20 PM - 10:25 PM	63.9	49.7	-	66.7	47.8	18.9
10:25 PM - 10:30 PM	61.0	55.5	-	62.6	48.1	14.5
10:30 PM - 10:35 PM	50.3	50.2	-	36.9	49.1	-12.2
10:35 PM - 10:40 PM	50.3	49.8	-	43.7	48.7	-5.0
10:40 PM - 10:45 PM	67.1	51.9	-	70.0	49.4	20.6
10:45 PM - 10:50 PM	53.4	59.7	-	n/a	49.3	-
10:50 PM - 10:55 PM	50.8	51.0	-	n/a	49.8	-
10:55 PM - 11:00 PM	51.0	50.8	-	40.5	49.1	-8.6
11:00 PM - 11:05 PM	49.6	48.7	-	45.3	47.5	-2.2
11:05 PM - 11:10 PM	50.9	49.4	-	48.6	48.0	0.6
11:10 PM - 11:15 PM	52.4	49.6	-	52.2	48.0	4.2
11:15 PM - 11:20 PM	53.9	53.6	-	45.1	47.5	-2.4
11:20 PM - 11:25 PM	50.3	49.4	-	46.0	48.0	-2.0
11:25 PM - 11:30 PM	53.1	52.1	-	49.2	49.4	-0.2
11:30 PM - 11:35 PM	53.2	52.7	-	46.6	49.4	-2.8
11:35 PM - 11:40 PM	52.5	51.6	-	48.2	48.2	0.0
11:40 PM - 11:45 PM	50.5	50.2	-	41.7	47.5	-5.8
11:45 PM - 11:50 PM	54.1	53.2	-	49.8	48.2	1.6
11:50 PM - 11:55 PM	49.2	52.4	-	n/a	46.5	-
11:55 PM - 12:00 AM	48.6	47.6	-	44.7	46.2	-1.5
12:00 AM - 12:05 AM	48.7	47.8	-	44.4	46.0	-1.6
12:05 AM - 12:10 AM	48.4	47.4	-	44.5	46.3	-1.8
12:10 AM - 12:15 AM	52.8	51.8	-	48.9	47.2	1.7
12:15 AM - 12:20 AM	51.7	50.4	-	48.8	46.4	2.4
12:20 AM - 12:25 AM	49.3	49.9	-	n/a	47.1	-
12:25 AM - 12:30 AM	49.9	49.1	-	45.2	47.3	-2.1
12:30 AM - 12:35 AM	50.1	49.3	-	45.4	47.0	-1.6
12:35 AM - 12:40 AM	52.1	51.2	-	47.8	47.3	0.5

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442486-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-13
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date Oct 22 - 23, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:40 AM - 12:45 AM	48.5	48.7	-	n/a	47.5	-
12:45 AM - 12:50 AM	48.1	47.6	-	41.5	46.3	-4.8
12:50 AM - 12:55 AM	50.3	49.6	-	45.0	46.0	-1.0
12:55 AM - 01:00 AM	51.6	48.8	-	51.4	45.9	5.5
01:00 AM - 01:05 AM	48.2	50.2	-	n/a	45.8	-
01:05 AM - 01:10 AM	50.3	48.5	-	48.6	45.6	3.0
01:10 AM - 01:15 AM	52.3	51.7	-	46.4	46.8	-0.4
01:15 AM - 01:20 AM	46.7	46.2	-	40.1	45.2	-5.1
01:20 AM - 01:25 AM	48.9	48.5	-	41.3	46.0	-4.7
01:25 AM - 01:30 AM	47.6	47.4	-	37.1	45.8	-8.7
01:30 AM - 01:35 AM	48.1	47.4	-	42.8	45.6	-2.8
01:35 AM - 01:40 AM	46.7	46.6	-	33.3	45.3	-12.0
01:40 AM - 01:45 AM	46.9	47.2	-	n/a	45.3	-
01:45 AM - 01:50 AM	51.5	48.8	-	51.2	45.4	5.8
01:50 AM - 01:55 AM	54.6	48.6	-	56.3	45.4	10.9
01:55 AM - 02:00 AM	45.7	45.9	-	n/a	45.1	-
02:00 AM - 02:05 AM	46.3	45.8	-	39.7	44.5	-4.8
02:05 AM - 02:10 AM	49.0	48.9	-	35.6	45.5	-9.9
02:10 AM - 02:15 AM	45.2	45.8	-	n/a	44.7	-
02:15 AM - 02:20 AM	46.2	47.1	-	n/a	45.4	-
02:20 AM - 02:25 AM	46.8	47.1	-	n/a	45.2	-
02:25 AM - 02:30 AM	55.2	46.1	-	57.6	45.2	12.4
02:30 AM - 02:35 AM	56.6	52.1	-	57.7	45.2	12.5
02:35 AM - 02:40 AM	56.1	47.4	-	58.5	45.7	12.8
02:40 AM - 02:45 AM	49.0	50.6	-	n/a	45.5	-
02:45 AM - 02:50 AM	45.7	46.2	-	n/a	45.3	-
02:50 AM - 02:55 AM	45.9	46.9	-	n/a	45.9	-
02:55 AM - 03:00 AM	46.5	47.5	-	n/a	46.0	-
03:00 AM - 03:05 AM	45.6	46.7	-	n/a	45.8	-
03:05 AM - 03:10 AM	45.4	46.7	-	n/a	45.9	-
03:10 AM - 03:15 AM	45.5	46.6	-	n/a	45.7	-
03:15 AM - 03:20 AM	46.0	46.4	-	n/a	45.6	-
03:20 AM - 03:25 AM	46.3	46.9	-	n/a	45.5	-
03:25 AM - 03:30 AM	53.8	53.8	-	n/a	45.5	-
03:30 AM - 03:35 AM	47.4	47.4	-	n/a	45.2	-
03:35 AM - 03:40 AM	49.7	50.0	-	n/a	45.3	-
03:40 AM - 03:45 AM	60.6	53.8	-	62.6	46.1	16.5
03:45 AM - 03:50 AM	46.6	46.4	-	36.1	45.3	-9.2
03:50 AM - 03:55 AM	46.4	46.4	-	n/a	45.6	-
03:55 AM - 04:00 AM	46.8	46.7	-	33.1	45.5	-12.3

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Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442486-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-13
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date Oct 22 - 23, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:00 AM - 04:05 AM	47.0	47.6	-	n/a	45.0	-
04:05 AM - 04:10 AM	46.2	45.9	-	37.4	44.9	-7.5
04:10 AM - 04:15 AM	46.3	45.7	-	40.4	44.5	-4.1
04:15 AM - 04:20 AM	45.9	45.7	-	35.4	44.7	-9.3
04:20 AM - 04:25 AM	46.5	46.0	-	39.9	44.9	-5.0
04:25 AM - 04:30 AM	46.7	47.0	-	n/a	45.6	-
04:30 AM - 04:35 AM	46.0	46.1	-	n/a	45.1	-
04:35 AM - 04:40 AM	45.8	46.2	-	n/a	45.2	-
04:40 AM - 04:45 AM	49.5	47.4	-	48.3	45.7	2.6
04:45 AM - 04:50 AM	63.4	56.4	-	65.4	45.7	19.7
04:50 AM - 04:55 AM	45.5	46.0	-	n/a	46.1	-
04:55 AM - 05:00 AM	45.3	46.4	-	n/a	45.3	-
05:00 AM - 05:05 AM	44.9	45.5	-	n/a	44.8	-
05:05 AM - 05:10 AM	44.9	45.3	-	n/a	44.6	-
05:10 AM - 05:15 AM	44.8	44.8	-	37.2	43.5	-6.3
05:15 AM - 05:20 AM	45.1	44.7	-	37.5	43.9	-6.4
05:20 AM - 05:25 AM	68.9	59.6	-	71.4	44.2	27.2
05:25 AM - 05:30 AM	45.7	58.8	-	n/a	44.5	-
05:30 AM - 05:35 AM	45.7	45.4	-	36.9	44.6	-7.7
05:35 AM - 05:40 AM	45.2	45.9	-	n/a	45.2	-
05:40 AM - 05:45 AM	45.3	46.1	-	n/a	45.3	-
05:45 AM - 05:50 AM	45.4	45.4	-	n/a	44.2	-
05:50 AM - 05:55 AM	48.6	48.4	-	38.1	44.4	6.3
05:55 AM - 06:00 AM	45.0	45.2	-	n/a	44.4	-
06:00 AM - 07:00 AM	45.9	45.9	n/a	-	44.1	-
07:00 AM - 08:00 AM	48.4	48.1	36.6	-	44.5	-7.9
08:00 AM - 09:00 AM	49.4	48.7	41.1	-	45.5	-4.4
09:00 AM - 10:00 AM	56.0	51.8	53.9	-	47.2	6.7
10:00 AM - 11:00 AM	59.0	52.8	57.8	-	47.3	10.5
11:00 AM - 12:00 PM	52.5	59.3	n/a	-	47.7	-
12:00 PM - 01:00 PM	53.7	52.1	48.6	-	47.0	1.6
01:00 PM - 02:00 PM	56.5	63.5	n/a	-	46.4	-

ค่ามาตรฐาน ≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 22-23 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2598902-13 วันที่ตรวจวัด 22-23 ตุลาคม 2568)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

This above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442487-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-14
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date Oct 23 - 24, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
02:00 PM - 03:00 PM	57.2	57.2	n/a	-	45.7	-
03:00 PM - 04:00 PM	54.4	56.5	n/a	-	45.6	-
04:00 PM - 05:00 PM	53.5	51.5	49.2	-	46.2	3.0
05:00 PM - 06:00 PM	54.5	56.3	n/a	-	45.0	-
06:00 PM - 07:00 PM	53.8	51.8	49.5	-	48.9	0.6
07:00 PM - 08:00 PM	58.5	55.6	55.4	-	46.8	8.6
08:00 PM - 09:00 PM	57.3	53.8	54.7	-	48.4	6.3
09:00 PM - 10:00 PM	59.3	55.0	57.3	-	48.9	8.4
10:00 PM - 10:05 PM	50.1	50.9	-	n/a	48.3	-
10:05 PM - 10:10 PM	49.9	48.5	-	47.3	47.4	-0.1
10:10 PM - 10:15 PM	50.7	50.6	-	37.3	48.2	-10.9
10:15 PM - 10:20 PM	50.8	51.5	-	n/a	47.9	-
10:20 PM - 10:25 PM	49.2	48.7	-	42.6	47.8	-5.2
10:25 PM - 10:30 PM	48.8	49.5	-	n/a	48.1	-
10:30 PM - 10:35 PM	48.4	49.8	-	n/a	49.1	-
10:35 PM - 10:40 PM	50.1	50.3	-	n/a	48.7	-
10:40 PM - 10:45 PM	47.4	48.3	-	n/a	49.4	-
10:45 PM - 10:50 PM	47.7	49.1	-	n/a	49.3	-
10:50 PM - 10:55 PM	48.7	50.1	-	n/a	49.8	-
10:55 PM - 11:00 PM	48.4	49.6	-	n/a	49.1	-
11:00 PM - 11:05 PM	50.0	51.1	-	n/a	47.5	-
11:05 PM - 11:10 PM	49.1	50.2	-	n/a	48.0	-
11:10 PM - 11:15 PM	51.4	50.8	-	45.5	48.0	-2.5
11:15 PM - 11:20 PM	51.5	51.5	-	n/a	47.5	-
11:20 PM - 11:25 PM	51.2	50.7	-	44.6	48.0	-3.4
11:25 PM - 11:30 PM	52.8	52.6	-	42.3	49.4	-7.1
11:30 PM - 11:35 PM	52.3	52.1	-	41.8	49.4	-7.6
11:35 PM - 11:40 PM	53.0	51.5	-	50.7	48.2	2.5
11:40 PM - 11:45 PM	50.7	52.1	-	n/a	47.5	-
11:45 PM - 11:50 PM	49.7	49.7	-	n/a	48.2	-
11:50 PM - 11:55 PM	48.2	48.7	-	n/a	46.5	-
11:55 PM - 12:00 AM	48.0	48.7	-	n/a	46.2	-
12:00 AM - 12:05 AM	47.6	48.0	-	n/a	46.0	-
12:05 AM - 12:10 AM	50.4	49.2	-	45.1	46.3	-1.2
12:10 AM - 12:15 AM	51.3	52.3	-	n/a	47.2	-
12:15 AM - 12:20 AM	46.6	47.9	-	n/a	46.4	-
12:20 AM - 12:25 AM	47.7	48.3	-	n/a	47.1	-
12:25 AM - 12:30 AM	50.6	50.5	-	37.2	47.3	-10.1
12:30 AM - 12:35 AM	52.7	52.3	-	45.1	47.0	-1.9
12:35 AM - 12:40 AM	47.7	48.0	-	n/a	47.3	-

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Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442487-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-14
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date Oct 23 - 24, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

เวลา	ระดับเสียง (dB(A))					
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:40 AM - 12:45 AM	50.2	50.0	-	39.7	47.5	-7.8
12:45 AM - 12:50 AM	55.8	56.8	-	n/a	46.3	-
12:50 AM - 12:55 AM	51.5	51.1	-	43.9	46.0	-2.1
12:55 AM - 01:00 AM	51.6	52.2	-	n/a	45.9	-
01:00 AM - 01:05 AM	47.6	48.7	-	n/a	45.8	-
01:05 AM - 01:10 AM	47.1	47.9	-	n/a	45.6	-
01:10 AM - 01:15 AM	49.1	48.8	-	40.3	46.8	-6.5
01:15 AM - 01:20 AM	47.9	48.2	-	n/a	45.2	-
01:20 AM - 01:25 AM	47.9	47.4	-	41.3	46.0	-4.7
01:25 AM - 01:30 AM	47.4	47.5	-	n/a	45.8	-
01:30 AM - 01:35 AM	46.9	47.5	-	n/a	45.6	-
01:35 AM - 01:40 AM	50.1	50.2	-	n/a	45.3	-
01:40 AM - 01:45 AM	48.3	47.9	-	40.7	45.3	-4.6
01:45 AM - 01:50 AM	49.0	48.8	-	38.5	45.4	-6.9
01:50 AM - 01:55 AM	46.7	47.8	-	n/a	45.4	-
01:55 AM - 02:00 AM	46.8	46.5	-	38.0	45.1	-7.1
02:00 AM - 02:05 AM	46.4	46.7	-	n/a	44.5	-
02:05 AM - 02:10 AM	45.7	45.5	-	35.2	45.5	-10.3
02:10 AM - 02:15 AM	46.9	46.4	-	40.3	44.7	-4.4
02:15 AM - 02:20 AM	47.6	47.2	-	40.0	45.4	-5.4
02:20 AM - 02:25 AM	47.6	48.2	-	n/a	45.2	-
02:25 AM - 02:30 AM	46.1	46.8	-	n/a	45.2	-
02:30 AM - 02:35 AM	47.9	48.3	-	n/a	45.2	-
02:35 AM - 02:40 AM	45.8	46.9	-	n/a	45.7	-
02:40 AM - 02:45 AM	48.8	49.2	-	n/a	45.5	-
02:45 AM - 02:50 AM	44.5	46.0	-	n/a	45.3	-
02:50 AM - 02:55 AM	46.3	46.9	-	n/a	45.9	-
02:55 AM - 03:00 AM	46.3	46.4	-	n/a	46.0	-
03:00 AM - 03:05 AM	44.3	46.8	-	n/a	45.8	-
03:05 AM - 03:10 AM	50.1	47.1	-	50.1	45.9	4.2
03:10 AM - 03:15 AM	45.1	45.5	-	n/a	45.7	-
03:15 AM - 03:20 AM	45.1	46.5	-	n/a	45.6	-
03:20 AM - 03:25 AM	56.5	54.4	-	55.3	45.5	9.8
03:25 AM - 03:30 AM	45.7	53.5	-	n/a	45.5	-
03:30 AM - 03:35 AM	44.6	46.2	-	n/a	45.2	-
03:35 AM - 03:40 AM	44.4	46.0	-	n/a	45.3	-
03:40 AM - 03:45 AM	45.3	46.5	-	n/a	46.1	-
03:45 AM - 03:50 AM	44.9	46.1	-	n/a	45.3	-
03:50 AM - 03:55 AM	45.2	45.3	-	n/a	45.6	-
03:55 AM - 04:00 AM	51.2	47.6	-	51.7	45.6	6.2

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598899
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442487-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598899-14
Parameter เสียงรบกวน
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670718, 1575775)
Measurement Date Oct 23 - 24, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572552

เวลา	ระดับเสียง (dB(A))					
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:00 AM - 04:05 AM	46.9	46.1	-	42.2	45.0	-2.8
04:05 AM - 04:10 AM	44.5	45.9	-	n/a	44.9	-
04:10 AM - 04:15 AM	45.3	45.6	-	n/a	44.5	-
04:15 AM - 04:20 AM	44.7	45.4	-	n/a	44.7	-
04:20 AM - 04:25 AM	45.4	45.6	-	n/a	44.9	-
04:25 AM - 04:30 AM	45.0	46.6	-	n/a	45.6	-
04:30 AM - 04:35 AM	45.2	46.9	-	n/a	45.1	-
04:35 AM - 04:40 AM	46.6	48.9	-	n/a	45.2	-
04:40 AM - 04:45 AM	45.4	46.3	-	n/a	45.7	-
04:45 AM - 04:50 AM	45.2	46.4	-	n/a	45.7	-
04:50 AM - 04:55 AM	45.3	46.4	-	n/a	46.1	-
04:55 AM - 05:00 AM	45.1	46.6	-	n/a	45.3	-
05:00 AM - 05:05 AM	44.3	45.8	-	n/a	44.8	-
05:05 AM - 05:10 AM	44.0	45.0	-	n/a	44.6	-
05:10 AM - 05:15 AM	45.0	45.6	-	n/a	43.5	-
05:15 AM - 05:20 AM	49.4	49.3	-	36.0	43.9	-7.9
05:20 AM - 05:25 AM	49.0	48.8	-	38.5	44.2	-5.7
05:25 AM - 05:30 AM	51.2	50.0	-	48.0	44.5	3.5
05:30 AM - 05:35 AM	63.4	56.2	-	65.5	44.6	20.9
05:35 AM - 05:40 AM	65.2	58.3	-	67.2	45.2	22.0
05:40 AM - 05:45 AM	56.4	52.4	-	57.2	45.3	11.9
05:45 AM - 05:50 AM	45.9	46.7	-	n/a	44.2	-
05:50 AM - 05:55 AM	45.2	46.5	-	n/a	44.4	-
05:55 AM - 06:00 AM	43.1	44.5	-	n/a	44.4	-
06:00 AM - 07:00 AM	57.5	50.9	56.4	-	44.1	12.3
07:00 AM - 08:00 AM	56.4	50.4	55.1	-	44.5	10.6
08:00 AM - 09:00 AM	48.6	48.0	39.7	-	45.5	-5.8
09:00 AM - 10:00 AM	58.8	53.4	57.3	-	47.2	10.1
10:00 AM - 11:00 AM	55.6	53.2	51.9	-	47.3	4.6
11:00 AM - 12:00 PM	58.2	59.5	n/a	-	47.7	-
12:00 PM - 01:00 PM	57.5	53.9	55.0	-	47.0	8.0
01:00 PM - 02:00 PM	56.2	49.5	55.2	-	46.4	8.8
ค่ามาตรฐาน						≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงสูงสุดที่ตั้งจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่ามาตรฐานผลลัพธ์ทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 23-24 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2598902-14 วันที่ตรวจวัด 23-24 ตุลาคม 2568)
3. n/a: ไม่สามารถดำเนินระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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Approved by
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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442534-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-8
Parameter เสียงรบกวน
Location ร้านค้าภายในนิคมหีบอุโมงค์เยื่องโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 17 - 18, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

เวลา	ระดับเสียง (dB(A))					
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	49.8	51.2	n/a	-	46.5	-
11:00 AM - 12:00 PM	50.1	49.6	46.5	-	47.0	-6.5
12:00 PM - 01:00 PM	49.6	49.2	39.0	-	46.8	-7.8
01:00 PM - 02:00 PM	49.2	48.7	39.6	-	46.7	-7.1
02:00 PM - 03:00 PM	58.3	58.0	46.5	-	53.8	-7.3
03:00 PM - 04:00 PM	60.7	59.4	54.8	-	55.9	-1.1
04:00 PM - 05:00 PM	59.5	52.7	58.5	-	50.7	7.8
05:00 PM - 06:00 PM	60.4	54.0	59.3	-	50.6	8.7
06:00 PM - 07:00 PM	58.7	55.1	56.3	-	51.5	4.8
07:00 PM - 08:00 PM	60.0	57.4	56.5	-	54.4	2.1
08:00 PM - 09:00 PM	60.8	55.7	59.2	-	54.5	4.7
09:00 PM - 10:00 PM	60.6	55.6	58.9	-	54.2	4.7
10:00 PM - 10:05 PM	58.8	54.6	-	59.7	53.9	5.8
10:05 PM - 10:10 PM	58.3	55.2	-	58.4	54.3	4.1
10:10 PM - 10:15 PM	58.2	54.9	-	58.5	54.1	4.4
10:15 PM - 10:20 PM	58.3	54.7	-	58.8	53.9	4.9
10:20 PM - 10:25 PM	58.1	53.9	-	59.0	53.4	5.6
10:25 PM - 10:30 PM	58.1	53.9	-	59.0	53.4	5.6
10:30 PM - 10:35 PM	57.7	54.4	-	58.0	54.0	4.0
10:35 PM - 10:40 PM	57.6	54.6	-	57.2	54.1	3.1
10:40 PM - 10:45 PM	57.5	54.1	-	57.8	53.5	4.3
10:45 PM - 10:50 PM	59.1	53.9	-	60.5	52.9	7.6
10:50 PM - 10:55 PM	57.1	54.2	-	57.0	53.3	3.7
10:55 PM - 11:00 PM	57.7	54.3	-	58.0	53.3	4.7
11:00 PM - 11:05 PM	57.4	54.1	-	57.7	53.4	4.3
11:05 PM - 11:10 PM	57.6	54.5	-	57.7	53.2	4.5
11:10 PM - 11:15 PM	57.4	54.7	-	57.1	53.3	3.8
11:15 PM - 11:20 PM	59.8	55.4	-	60.8	53.3	7.5
11:20 PM - 11:25 PM	62.8	54.1	-	65.2	53.1	12.1
11:25 PM - 11:30 PM	62.5	54.3	-	64.8	52.9	11.9
11:30 PM - 11:35 PM	64.0	53.6	-	66.6	52.4	14.2
11:35 PM - 11:40 PM	61.8	54.1	-	64.0	52.9	11.1
11:40 PM - 11:45 PM	61.9	53.9	-	64.2	52.8	11.4
11:45 PM - 11:50 PM	60.3	53.9	-	63.0	52.1	8.9
11:50 PM - 11:55 PM	58.1	54.2	-	58.8	51.8	7.0
11:55 PM - 12:00 AM	61.8	53.6	-	64.1	52.0	12.1
12:00 AM - 12:05 AM	63.1	54.6	-	65.4	52.0	13.4
12:05 AM - 12:10 AM	63.7	53.6	-	66.3	52.6	13.7
12:10 AM - 12:15 AM	60.5	54.3	-	62.3	53.0	9.3
12:15 AM - 12:20 AM	60.4	55.2	-	61.8	53.5	8.3

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442534-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-8
Parameter เสียงรบกวน
Location ร้านค้าภายในนิคมหีบอุโมงค์เยื่องโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 17 - 18, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

เวลา	ระดับเสียง (dB(A))					
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	57.4	54.1	-	57.7	52.9	4.8
12:25 AM - 12:30 AM	57.2	53.5	-	57.8	52.5	5.3
12:30 AM - 12:35 AM	57.5	53.5	-	58.3	52.5	5.8
12:35 AM - 12:40 AM	57.1	54.1	-	57.1	52.7	4.4
12:40 AM - 12:45 AM	57.4	54.5	-	57.3	52.1	5.2
12:45 AM - 12:50 AM	57.4	52.4	-	58.7	51.1	7.6
12:50 AM - 12:55 AM	57.5	52.6	-	58.8	51.3	7.5
12:55 AM - 01:00 AM	57.1	52.5	-	58.3	51.2	7.1
01:00 AM - 01:05 AM	57.4	52.3	-	58.8	51.4	7.4
01:05 AM - 01:10 AM	57.4	53.1	-	58.4	51.9	6.5
01:10 AM - 01:15 AM	57.3	53.9	-	58.3	51.8	6.5
01:15 AM - 01:20 AM	57.5	53.5	-	58.3	51.8	6.5
01:20 AM - 01:25 AM	57.4	54.4	-	57.4	52.3	5.1
01:25 AM - 01:30 AM	57.3	54.7	-	56.8	52.1	4.7
01:30 AM - 01:35 AM	57.5	55.1	-	56.8	52.8	4.0
01:35 AM - 01:40 AM	57.3	53.1	-	58.2	51.9	6.3
01:40 AM - 01:45 AM	57.3	52.8	-	58.4	51.5	6.9
01:45 AM - 01:50 AM	57.2	53.3	-	57.9	52.1	5.8
01:50 AM - 01:55 AM	58.8	53.5	-	60.3	52.2	8.1
01:55 AM - 02:00 AM	57.6	53.3	-	58.6	52.2	6.4
02:00 AM - 02:05 AM	57.9	52.4	-	59.5	50.7	8.8
02:05 AM - 02:10 AM	57.5	52.0	-	59.1	50.9	8.2
02:10 AM - 02:15 AM	57.4	52.0	-	58.9	51.2	7.7
02:15 AM - 02:20 AM	57.3	52.2	-	58.7	51.4	7.3
02:20 AM - 02:25 AM	57.3	52.3	-	58.6	51.3	7.3
02:25 AM - 02:30 AM	57.3	53.2	-	58.2	51.5	6.7
02:30 AM - 02:35 AM	57.6	52.7	-	58.9	51.5	7.4
02:35 AM - 02:40 AM	57.5	52.2	-	59.0	51.3	7.7
02:40 AM - 02:45 AM	57.6	52.9	-	58.8	51.5	7.3
02:45 AM - 02:50 AM	57.4	52.7	-	58.6	51.3	7.3
02:50 AM - 02:55 AM	57.5	53.0	-	58.6	51.6	7.0
02:55 AM - 03:00 AM	57.8	53.4	-	58.8	51.6	7.2
03:00 AM - 03:05 AM	57.5	53.2	-	58.5	51.7	6.8
03:05 AM - 03:10 AM	57.4	52.5	-	59.1	51.9	6.2
03:10 AM - 03:15 AM	57.6	53.1	-	58.7	51.6	7.1
03:15 AM - 03:20 AM	57.6	53.2	-	58.6	51.6	7.0
03:20 AM - 03:25 AM	57.2	53.2	-	58.0	51.8	6.2
03:25 AM - 03:30 AM	57.6	53.9	-	58.2	51.6	6.6
03:30 AM - 03:35 AM	57.4	55.2	-	56.4	52.1	4.3
03:35 AM - 03:40 AM	57.1	54.9	-	56.1	51.8	4.3

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Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442534-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-8
Parameter เสียงรบกวน
Location ร้านค้าบายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 17 - 18, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	57.0	53.1	-	57.7	51.6	6.1
03:45 AM - 03:50 AM	57.2	53.9	-	57.5	52.1	5.4
03:50 AM - 03:55 AM	57.2	54.1	-	57.3	52.5	4.8
03:55 AM - 04:00 AM	57.0	54.0	-	57.0	52.5	4.5
04:00 AM - 04:05 AM	57.3	53.9	-	57.6	52.7	5.4
04:05 AM - 04:10 AM	57.3	53.8	-	57.7	51.9	5.8
04:10 AM - 04:15 AM	57.1	54.4	-	56.8	52.6	4.2
04:15 AM - 04:20 AM	57.6	54.5	-	57.7	52.6	5.1
04:20 AM - 04:25 AM	56.9	52.8	-	57.8	52.0	5.8
04:25 AM - 04:30 AM	57.6	53.0	-	58.8	52.0	6.8
04:30 AM - 04:35 AM	57.3	53.4	-	58.0	52.2	5.8
04:35 AM - 04:40 AM	57.2	52.8	-	58.2	51.7	6.5
04:40 AM - 04:45 AM	57.2	53.0	-	58.1	51.6	6.5
04:45 AM - 04:50 AM	58.0	52.9	-	59.4	51.5	7.9
04:50 AM - 04:55 AM	57.4	53.1	-	58.4	51.8	6.6
04:55 AM - 05:00 AM	57.8	53.6	-	58.7	52.2	6.5
05:00 AM - 05:05 AM	57.3	53.7	-	57.8	52.5	5.3
05:05 AM - 05:10 AM	57.3	53.9	-	57.6	52.5	5.1
05:10 AM - 05:15 AM	57.3	53.9	-	57.6	52.7	4.9
05:15 AM - 05:20 AM	57.5	53.9	-	58.0	52.4	5.6
05:20 AM - 05:25 AM	56.5	54.0	-	55.9	52.5	3.4
05:25 AM - 05:30 AM	57.2	53.9	-	57.5	52.4	5.1
05:30 AM - 05:35 AM	56.6	54.0	-	56.1	52.6	3.5
05:35 AM - 05:40 AM	56.6	54.0	-	56.1	52.7	3.9
05:40 AM - 05:45 AM	56.6	54.0	-	56.1	52.7	3.9
05:45 AM - 05:50 AM	57.6	55.4	-	56.6	52.9	3.7
05:50 AM - 05:55 AM	56.3	55.2	-	52.8	53.2	-0.4
05:55 AM - 06:00 AM	56.4	54.9	-	54.1	52.8	1.3
06:00 AM - 07:00 AM	57.0	56.0	50.1	-	53.3	-3.2
07:00 AM - 08:00 AM	56.6	56.0	47.7	-	52.5	-4.8
08:00 AM - 09:00 AM	56.9	51.9	55.2	-	49.3	5.9
09:00 AM - 10:00 AM	56.6	49.9	55.6	-	47.7	7.9
ค่ามาตรฐาน						≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงลงเมื่อ 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 17-18 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2595684-8 วันที่ตรวจวัด 17-18 ตุลาคม 2568)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442535-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-9
Parameter เสียงรบกวน
Location ร้านค้าบายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 18 - 19, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	56.5	48.1	55.8	-	46.5	9.3
11:00 AM - 12:00 PM	56.2	49.2	55.2	-	46.1	9.1
12:00 PM - 01:00 PM	49.7	47.8	45.2	-	45.9	-0.7
01:00 PM - 02:00 PM	49.0	49.7	n/a	-	45.6	-
02:00 PM - 03:00 PM	49.3	47.1	45.3	-	45.3	0.0
03:00 PM - 04:00 PM	48.0	49.5	n/a	-	46.2	-
04:00 PM - 05:00 PM	50.4	50.5	n/a	-	47.4	-
05:00 PM - 06:00 PM	49.2	53.6	n/a	-	49.2	-
06:00 PM - 07:00 PM	49.7	53.7	n/a	-	51.8	-
07:00 PM - 08:00 PM	52.2	59.2	n/a	-	54.2	-
08:00 PM - 09:00 PM	54.4	56.0	n/a	-	53.5	-
09:00 PM - 10:00 PM	59.1	54.2	57.4	-	52.7	4.7
10:00 PM - 10:05 PM	64.3	52.1	-	67.0	51.6	15.4
10:05 PM - 10:10 PM	55.6	51.5	-	56.5	50.8	5.7
10:10 PM - 10:15 PM	57.4	51.6	-	59.1	51.0	8.1
10:15 PM - 10:20 PM	58.8	51.9	-	60.8	51.2	9.6
10:20 PM - 10:25 PM	63.3	52.3	-	65.9	50.7	15.2
10:25 PM - 10:30 PM	59.8	52.5	-	61.9	50.6	11.3
10:30 PM - 10:35 PM	57.9	52.1	-	59.6	50.6	9.0
10:35 PM - 10:40 PM	63.3	52.3	-	65.9	50.6	15.3
10:40 PM - 10:45 PM	55.5	52.0	-	55.9	50.8	5.1
10:45 PM - 10:50 PM	64.7	52.3	-	67.4	51.1	16.3
10:50 PM - 10:55 PM	56.1	51.3	-	57.4	50.6	6.8
10:55 PM - 11:00 PM	60.0	51.4	-	62.4	50.8	11.6
11:00 PM - 11:05 PM	59.0	51.7	-	61.1	51.0	10.1
11:05 PM - 11:10 PM	56.8	51.8	-	58.1	51.0	7.1
11:10 PM - 11:15 PM	55.8	52.4	-	56.1	51.3	4.8
11:15 PM - 11:20 PM	57.4	51.4	-	59.1	50.6	8.5
11:20 PM - 11:25 PM	55.1	51.3	-	55.8	50.6	5.2
11:25 PM - 11:30 PM	55.3	51.6	-	55.9	50.8	5.1
11:30 PM - 11:35 PM	55.4	51.7	-	56.0	50.9	5.1
11:35 PM - 11:40 PM	56.6	51.7	-	57.9	50.7	7.2
11:40 PM - 11:45 PM	55.0	51.3	-	55.6	50.4	5.2
11:45 PM - 11:50 PM	53.4	51.3	-	52.2	50.4	1.8
11:50 PM - 11:55 PM	54.0	51.1	-	53.9	50.3	3.6
11:55 PM - 12:00 AM	54.9	50.5	-	55.9	50.0	5.9
12:00 AM - 12:05 AM	53.1	51.2	-	51.6	50.1	1.5
12:05 AM - 12:10 AM	58.2	50.7	-	61.3	49.6	11.7
12:10 AM - 12:15 AM	55.7	50.2	-	57.3	49.5	7.8
12:15 AM - 12:20 AM	55.3	50.8	-	56.4	49.9	6.9

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442535-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-9
Parameter เสียงรบกวน
Location ร้านค้าบายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 18 - 19, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	53.8	51.6	-	52.8	50.2	2.6
12:25 AM - 12:30 AM	54.0	51.8	-	53.0	50.4	2.6
12:30 AM - 12:35 AM	52.9	51.9	-	49.0	50.4	-1.4
12:35 AM - 12:40 AM	53.1	51.9	-	49.9	50.2	-0.3
12:40 AM - 12:45 AM	52.7	51.5	-	49.5	50.0	-0.5
12:45 AM - 12:50 AM	52.8	51.9	-	48.5	50.0	-1.5
12:50 AM - 12:55 AM	52.7	51.5	-	49.5	49.8	-0.3
12:55 AM - 01:00 AM	52.2	51.3	-	47.9	50.1	-2.2
01:00 AM - 01:05 AM	53.2	51.4	-	51.5	50.2	1.3
01:05 AM - 01:10 AM	52.7	51.9	-	48.0	49.8	-1.8
01:10 AM - 01:15 AM	53.2	51.9	-	43.4	49.6	-6.2
01:15 AM - 01:20 AM	52.2	51.9	-	43.4	49.5	-6.1
01:20 AM - 01:25 AM	52.2	51.6	-	46.3	49.7	-3.4
01:25 AM - 01:30 AM	52.2	52.0	-	41.7	49.9	-8.2
01:30 AM - 01:35 AM	52.6	51.6	-	48.7	50.0	-1.3
01:35 AM - 01:40 AM	52.7	51.6	-	49.2	50.1	-0.9
01:40 AM - 01:45 AM	52.8	51.9	-	48.5	49.9	-1.4
01:45 AM - 01:50 AM	53.7	52.2	-	51.4	49.5	1.9
01:50 AM - 01:55 AM	53.5	51.9	-	51.4	49.7	1.7
01:55 AM - 02:00 AM	55.5	51.4	-	56.4	49.5	6.9
02:00 AM - 02:05 AM	54.6	50.8	-	55.3	49.4	5.9
02:05 AM - 02:10 AM	52.0	51.2	-	47.3	49.9	-2.6
02:10 AM - 02:15 AM	52.3	51.4	-	48.0	49.9	-1.9
02:15 AM - 02:20 AM	52.4	52.3	-	39.0	50.2	-11.2
02:20 AM - 02:25 AM	51.8	52.3	-	n/a	50.1	-
02:25 AM - 02:30 AM	52.2	52.4	-	n/a	50.3	-
02:30 AM - 02:35 AM	51.6	52.6	-	n/a	50.3	-
02:35 AM - 02:40 AM	52.1	52.5	-	n/a	49.5	-
02:40 AM - 02:45 AM	51.5	54.7	-	n/a	52.1	-
02:45 AM - 02:50 AM	51.9	59.6	-	n/a	50.5	-
02:50 AM - 02:55 AM	52.1	52.5	-	n/a	50.1	-
02:55 AM - 03:00 AM	51.4	51.0	-	43.8	49.7	-5.9
03:00 AM - 03:05 AM	50.9	50.9	-	n/a	49.2	-
03:05 AM - 03:10 AM	50.8	51.1	-	n/a	49.8	-
03:10 AM - 03:15 AM	51.1	51.1	-	n/a	50.0	-
03:15 AM - 03:20 AM	51.9	51.8	-	38.5	50.0	-11.5
03:20 AM - 03:25 AM	51.7	52.0	-	n/a	50.4	-
03:25 AM - 03:30 AM	51.4	51.3	-	38.0	49.7	-11.7
03:30 AM - 03:35 AM	50.8	52.1	-	n/a	50.1	-
03:35 AM - 03:40 AM	51.2	52.4	-	n/a	50.6	-

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442535-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-9
Parameter เสียงรบกวน
Location ร้านค้าบายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 18 - 19, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	50.7	52.4	-	n/a	50.4	-
03:45 AM - 03:50 AM	50.6	52.6	-	n/a	50.4	-
03:50 AM - 03:55 AM	50.5	53.1	-	n/a	50.8	-
03:55 AM - 04:00 AM	49.9	52.8	-	n/a	50.5	-
04:00 AM - 04:05 AM	49.2	52.4	-	n/a	50.6	-
04:05 AM - 04:10 AM	49.4	52.9	-	n/a	50.8	-
04:10 AM - 04:15 AM	50.2	53.3	-	n/a	50.9	-
04:15 AM - 04:20 AM	49.9	53.1	-	n/a	50.6	-
04:20 AM - 04:25 AM	50.1	53.6	-	n/a	50.7	-
04:25 AM - 04:30 AM	50.3	53.6	-	n/a	50.7	-
04:30 AM - 04:35 AM	49.8	53.2	-	n/a	51.5	-
04:35 AM - 04:40 AM	50.1	54.1	-	n/a	51.4	-
04:40 AM - 04:45 AM	50.2	53.8	-	n/a	51.0	-
04:45 AM - 04:50 AM	50.3	53.7	-	n/a	51.0	-
04:50 AM - 04:55 AM	50.2	53.9	-	n/a	51.3	-
04:55 AM - 05:00 AM	50.9	54.3	-	n/a	51.8	-
05:00 AM - 05:05 AM	51.4	53.8	-	n/a	51.4	-
05:05 AM - 05:10 AM	49.8	54.5	-	n/a	51.9	-
05:10 AM - 05:15 AM	50.8	54.8	-	n/a	52.1	-
05:15 AM - 05:20 AM	50.5	54.7	-	n/a	51.7	-
05:20 AM - 05:25 AM	51.2	55.0	-	n/a	52.3	-
05:25 AM - 05:30 AM	51.4	55.4	-	n/a	52.7	-
05:30 AM - 05:35 AM	53.3	55.1	-	n/a	52.5	-
05:35 AM - 05:40 AM	51.8	55.1	-	n/a	52.6	-
05:40 AM - 05:45 AM	50.1	55.4	-	n/a	53.2	-
05:45 AM - 05:50 AM	50.9	53.3	-	n/a	51.8	-
05:50 AM - 05:55 AM	49.8	53.6	-	n/a	51.9	-
05:55 AM - 06:00 AM	52.8	53.5	-	n/a	52.0	-
06:00 AM - 07:00 AM	52.7	53.1	n/a	-	51.2	-
07:00 AM - 08:00 AM	53.4	51.1	49.5	-	48.9	0.6
08:00 AM - 09:00 AM	52.5	49.8	49.2	-	47.8	1.4
09:00 AM - 10:00 AM	52.4	48.8	49.9	-	45.9	4.0
ค่ามาตรฐาน						≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงลงเมื่อ 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 18-19 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2595684-9 วันที่ตรวจวัด 18-19 ตุลาคม 2568)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442536-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-10
Parameter เสียงรบกวน
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 19 - 20, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

เวลา	ระดับเสียง (dB(A)) เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน กลางวัน	เสียงขณะมีการรบกวน กลางคืน	เสียงพื้นฐาน	ค่าระดับการรบกวน
10:00 AM - 11:00 AM	51.0	48.0	48.0	-	46.0	2.0
11:00 AM - 12:00 PM	50.0	52.2	n/a	-	45.0	-
12:00 PM - 01:00 PM	49.3	47.7	44.2	-	45.2	-1.0
01:00 PM - 02:00 PM	47.9	46.4	42.6	-	44.2	-1.6
02:00 PM - 03:00 PM	50.2	49.2	43.3	-	45.0	-1.7
03:00 PM - 04:00 PM	47.8	47.4	37.2	-	45.1	-7.9
04:00 PM - 05:00 PM	46.4	47.1	n/a	-	44.8	-
05:00 PM - 06:00 PM	49.8	50.0	n/a	-	47.4	-
06:00 PM - 07:00 PM	47.0	51.8	n/a	-	50.4	-
07:00 PM - 08:00 PM	47.8	55.1	n/a	-	51.8	-
08:00 PM - 09:00 PM	51.0	53.9	n/a	-	52.4	-
09:00 PM - 10:00 PM	55.4	52.6	52.2	-	51.8	0.4
10:00 PM - 10:05 PM	62.2	52.2	-	64.7	51.8	12.9
10:05 PM - 10:10 PM	53.4	53.4	-	n/a	52.2	-
10:10 PM - 10:15 PM	54.9	53.2	-	53.0	52.4	0.6
10:15 PM - 10:20 PM	58.4	52.7	-	60.0	52.2	7.8
10:20 PM - 10:25 PM	53.6	52.6	-	49.7	52.1	-2.4
10:25 PM - 10:30 PM	53.9	52.5	-	51.3	52.0	-0.7
10:30 PM - 10:35 PM	54.8	52.5	-	53.9	51.8	2.1
10:35 PM - 10:40 PM	53.6	52.5	-	50.1	51.8	-1.7
10:40 PM - 10:45 PM	53.6	52.4	-	50.4	51.5	-1.1
10:45 PM - 10:50 PM	56.0	52.2	-	56.7	51.2	5.5
10:50 PM - 10:55 PM	58.2	51.6	-	60.1	50.9	9.2
10:55 PM - 11:00 PM	56.9	51.2	-	58.5	50.5	8.0
11:00 PM - 11:05 PM	58.0	51.0	-	60.0	50.5	9.5
11:05 PM - 11:10 PM	57.1	51.1	-	58.8	50.4	8.4
11:10 PM - 11:15 PM	59.4	51.4	-	61.7	50.5	11.2
11:15 PM - 11:20 PM	53.0	51.6	-	50.4	50.7	-0.3
11:20 PM - 11:25 PM	58.1	51.7	-	60.0	51.0	9.0
11:25 PM - 11:30 PM	57.9	52.5	-	59.4	51.4	8.0
11:30 PM - 11:35 PM	52.5	52.2	-	43.7	51.1	-7.4
11:35 PM - 11:40 PM	52.2	51.6	-	46.3	50.8	-4.5
11:40 PM - 11:45 PM	52.5	51.8	-	47.2	50.8	-3.6
11:45 PM - 11:50 PM	52.8	52.1	-	47.5	50.4	-2.9
11:50 PM - 11:55 PM	52.0	51.3	-	46.7	50.5	-3.8
11:55 PM - 12:00 AM	53.3	51.7	-	51.2	50.9	0.3
12:00 AM - 12:05 AM	52.1	51.4	-	46.8	50.7	-3.9
12:05 AM - 12:10 AM	53.0	51.5	-	50.7	50.6	0.1
12:10 AM - 12:15 AM	52.7	50.9	-	51.0	50.1	0.9
12:15 AM - 12:20 AM	52.8	51.3	-	50.5	50.5	0.0

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442536-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-10
Parameter เสียงรบกวน
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 19 - 20, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

เวลา	ระดับเสียง (dB(A)) เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน กลางวัน	เสียงขณะมีการรบกวน กลางคืน	เสียงพื้นฐาน	ค่าระดับการรบกวน
12:20 AM - 12:25 AM	52.5	51.4	-	49.0	50.6	-1.6
12:25 AM - 12:30 AM	52.7	51.4	-	49.8	50.4	-0.6
12:30 AM - 12:35 AM	53.0	51.1	-	51.5	50.0	1.5
12:35 AM - 12:40 AM	53.0	50.5	-	52.4	49.6	2.8
12:40 AM - 12:45 AM	56.2	50.6	-	57.8	49.5	8.3
12:45 AM - 12:50 AM	53.6	51.2	-	52.9	50.1	2.8
12:50 AM - 12:55 AM	53.9	51.0	-	53.8	49.9	3.9
12:55 AM - 01:00 AM	54.7	51.1	-	55.2	50.0	5.2
01:00 AM - 01:05 AM	54.1	50.9	-	54.3	49.8	4.5
01:05 AM - 01:10 AM	53.9	50.8	-	54.0	49.6	4.4
01:10 AM - 01:15 AM	53.8	50.6	-	54.0	49.4	4.6
01:15 AM - 01:20 AM	53.3	50.3	-	53.3	49.2	4.1
01:20 AM - 01:25 AM	53.5	50.3	-	53.7	49.3	4.4
01:25 AM - 01:30 AM	53.5	49.9	-	54.0	48.8	5.2
01:30 AM - 01:35 AM	53.8	50.2	-	54.3	49.0	5.3
01:35 AM - 01:40 AM	52.8	50.6	-	51.8	49.6	2.2
01:40 AM - 01:45 AM	51.2	51.4	-	n/a	49.8	-
01:45 AM - 01:50 AM	51.6	51.6	-	n/a	50.0	-
01:50 AM - 01:55 AM	52.2	52.1	-	38.8	50.3	-11.5
01:55 AM - 02:00 AM	51.7	51.7	-	n/a	49.9	-
02:00 AM - 02:05 AM	52.7	50.9	-	53.0	49.5	3.5
02:05 AM - 02:10 AM	54.1	51.2	-	54.0	49.4	4.6
02:10 AM - 02:15 AM	54.0	51.2	-	53.8	49.5	4.3
02:15 AM - 02:20 AM	53.6	50.7	-	53.5	49.7	3.8
02:20 AM - 02:25 AM	52.6	51.2	-	50.0	49.7	0.3
02:25 AM - 02:30 AM	52.5	51.0	-	50.2	49.4	0.8
02:30 AM - 02:35 AM	53.1	50.6	-	52.5	49.3	3.2
02:35 AM - 02:40 AM	52.4	49.9	-	51.8	48.5	3.3
02:40 AM - 02:45 AM	52.1	50.2	-	50.6	48.4	2.2
02:45 AM - 02:50 AM	51.9	49.0	-	51.8	48.1	3.7
02:50 AM - 02:55 AM	51.9	49.8	-	50.7	48.8	1.9
02:55 AM - 03:00 AM	52.0	50.0	-	50.7	49.3	1.4
03:00 AM - 03:05 AM	51.5	50.4	-	48.0	49.5	-1.5
03:05 AM - 03:10 AM	51.3	51.3	-	n/a	50.0	-
03:10 AM - 03:15 AM	50.8	50.6	-	40.3	49.8	-9.5
03:15 AM - 03:20 AM	52.0	50.7	-	49.1	49.9	-0.8
03:20 AM - 03:25 AM	51.5	51.4	-	38.1	50.2	-12.1
03:25 AM - 03:30 AM	51.4	52.2	-	n/a	50.3	-
03:30 AM - 03:35 AM	51.9	53.5	-	n/a	50.5	-
03:35 AM - 03:40 AM	52.0	53.8	-	n/a	50.4	-

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Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442536-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-10
Parameter เสียงรบกวน
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 19 - 20, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

เวลา	ระดับเสียง (dB(A)) เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน กลางวัน	เสียงขณะมีการรบกวน กลางคืน	เสียงพื้นฐาน	ค่าระดับการรบกวน
03:40 AM - 03:45 AM	51.7	52.6	-	n/a	50.2	-
03:45 AM - 03:50 AM	51.7	51.2	-	45.1	49.9	-4.8
03:50 AM - 03:55 AM	51.6	51.6	-	n/a	49.7	-
03:55 AM - 04:00 AM	49.8	52.7	-	n/a	50.9	-
04:00 AM - 04:05 AM	49.3	53.4	-	n/a	51.5	-
04:05 AM - 04:10 AM	50.6	53.5	-	n/a	51.3	-
04:10 AM - 04:15 AM	50.0	53.3	-	n/a	51.2	-
04:15 AM - 04:20 AM	49.8	53.4	-	n/a	51.7	-
04:20 AM - 04:25 AM	50.0	53.5	-	n/a	51.7	-
04:25 AM - 04:30 AM	50.4	53.7	-	n/a	52.0	-
04:30 AM - 04:35 AM	50.2	53.5	-	n/a	51.5	-
04:35 AM - 04:40 AM	49.9	54.5	-	n/a	51.6	-
04:40 AM - 04:45 AM	49.7	54.7	-	n/a	52.3	-
04:45 AM - 04:50 AM	49.5	53.7	-	n/a	52.0	-
04:50 AM - 04:55 AM	49.1	53.4	-	n/a	51.8	-
04:55 AM - 05:00 AM	49.3	53.7	-	n/a	52.0	-
05:00 AM - 05:05 AM	49.3	53.5	-	n/a	51.7	-
05:05 AM - 05:10 AM	49.1	53.6	-	n/a	51.2	-
05:10 AM - 05:15 AM	49.0	53.6	-	n/a	51.1	-
05:15 AM - 05:20 AM	49.3	54.0	-	n/a	51.4	-
05:20 AM - 05:25 AM	49.2	54.7	-	n/a	51.6	-
05:25 AM - 05:30 AM	48.7	54.3	-	n/a	51.5	-
05:30 AM - 05:35 AM	48.8	54.9	-	n/a	51.5	-
05:35 AM - 05:40 AM	48.9	54.8	-	n/a	51.3	-
05:40 AM - 05:45 AM	49.3	55.1	-	n/a	51.6	-
05:45 AM - 05:50 AM	49.4	54.5	-	n/a	51.9	-
05:50 AM - 05:55 AM	49.9	57.2	-	n/a	51.9	-
05:55 AM - 06:00 AM	50.2	54.4	-	n/a	51.9	-
06:00 AM - 07:00 AM	50.0	53.3	n/a	-	51.0	-
07:00 AM - 08:00 AM	50.2	55.0	n/a	-	51.1	-
08:00 AM - 09:00 AM	52.3	56.1	n/a	-	49.1	-
09:00 AM - 10:00 AM	54.9	50.0	53.2	-	47.8	5.4
ค่ามาตรฐาน						≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 19-20 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2595684-10 วันที่ตรวจวัด 19-20 ตุลาคม 2568)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

This above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442537-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-11
Parameter เสียงรบกวน
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 20 - 21, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

เวลา	ระดับเสียง (dB(A)) เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน กลางวัน	เสียงขณะมีการรบกวน กลางคืน	เสียงพื้นฐาน	ค่าระดับการรบกวน
10:00 AM - 11:00 AM	54.9	48.7	53.7	-	46.0	7.7
11:00 AM - 12:00 PM	52.1	49.7	48.4	-	46.5	1.9
12:00 PM - 01:00 PM	49.6	49.0	40.7	-	46.5	-5.8
01:00 PM - 02:00 PM	48.1	48.7	n/a	-	46.4	-
02:00 PM - 03:00 PM	50.0	49.5	40.4	-	47.2	-6.8
03:00 PM - 04:00 PM	49.4	53.3	n/a	-	50.5	-
04:00 PM - 05:00 PM	48.4	52.7	n/a	-	50.5	-
05:00 PM - 06:00 PM	50.3	53.2	n/a	-	49.9	-
06:00 PM - 07:00 PM	53.5	53.8	n/a	-	52.4	-
07:00 PM - 08:00 PM	54.3	55.7	n/a	-	54.1	-
08:00 PM - 09:00 PM	53.9	55.2	n/a	-	54.0	-
09:00 PM - 10:00 PM	55.5	54.7	47.8	-	53.5	-5.7
10:00 PM - 10:05 PM	57.8	53.6	-	58.7	52.9	5.8
10:05 PM - 10:10 PM	57.1	53.3	-	57.8	52.5	5.3
10:10 PM - 10:15 PM	57.1	53.3	-	57.8	52.5	5.3
10:15 PM - 10:20 PM	54.7	52.7	-	53.4	52.0	1.4
10:20 PM - 10:25 PM	55.4	52.8	-	54.9	52.2	2.7
10:25 PM - 10:30 PM	54.7	52.7	-	53.4	52.0	1.4
10:30 PM - 10:35 PM	55.4	52.5	-	55.3	51.7	3.6
10:35 PM - 10:40 PM	55.3	52.7	-	54.8	51.8	3.0
10:40 PM - 10:45 PM	55.1	52.7	-	54.4	51.8	2.6
10:45 PM - 10:50 PM	56.4	52.4	-	57.2	51.4	5.8
10:50 PM - 10:55 PM	55.4	52.3	-	55.5	51.4	4.1
10:55 PM - 11:00 PM	56.5	52.5	-	57.3	51.6	5.7
11:00 PM - 11:05 PM	58.1	51.8	-	59.9	51.2	8.7
11:05 PM - 11:10 PM	55.2	52.0	-	55.4	51.3	4.1
11:10 PM - 11:15 PM	55.0	51.9	-	55.1	51.2	3.9
11:15 PM - 11:20 PM	59.0	51.9	-	61.1	51.1	10.0
11:20 PM - 11:25 PM	63.1	51.9	-	65.8	51.2	14.6
11:25 PM - 11:30 PM	54.3	52.5	-	52.6	51.4	1.2
11:30 PM - 11:35 PM	53.8	51.9	-	52.3	51.2	1.1
11:35 PM - 11:40 PM	54.1	51.7	-	53.4	51.0	2.4
11:40 PM - 11:45 PM	58.9	52.0	-	60.9	51.4	9.5
11:45 PM - 11:50 PM	51.9	52.8	-	50.4	51.7	-3.3
11:50 PM - 11:55 PM	54.4	52.7	-	53.5	51.7	0.8
11:55 PM - 12:00 AM	55.8	53.0	-	55.6	52.0	3.6
12:00 AM - 12:05 AM	53.7	52.9	-	49.8	52.0	-3.0
12:05 AM - 12:10 AM	57.1	53.6	-	57.5	52.6	4.9
12:10 AM - 12:15 AM	57.7	53.6	-	57.7	52.4	5.3
12:15 AM - 12:20 AM	54.0	53.5	-	47.4	52.4	-5.0

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442537-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-11
Parameter เสียงรบกวน
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 20 - 21, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	53.1	52.0	-	49.6	50.5	-0.9
12:25 AM - 12:30 AM	52.6	51.2	-	50.0	50.1	-0.1
12:30 AM - 12:35 AM	52.8	51.6	-	49.6	50.2	-0.6
12:35 AM - 12:40 AM	53.1	53.7	-	n/a	52.4	-
12:40 AM - 12:45 AM	53.4	54.7	-	n/a	53.5	-
12:45 AM - 12:50 AM	53.9	56.8	-	n/a	54.6	-
12:50 AM - 12:55 AM	52.8	57.5	-	n/a	54.6	-
12:55 AM - 01:00 AM	52.5	55.1	-	n/a	53.5	-
01:00 AM - 01:05 AM	53.1	54.1	-	n/a	52.2	-
01:05 AM - 01:10 AM	53.3	54.7	-	n/a	53.2	-
01:10 AM - 01:15 AM	53.3	55.3	-	n/a	53.8	-
01:15 AM - 01:20 AM	52.2	55.2	-	n/a	53.3	-
01:20 AM - 01:25 AM	52.7	53.6	-	n/a	51.8	-
01:25 AM - 01:30 AM	53.1	53.4	-	n/a	51.4	-
01:30 AM - 01:35 AM	53.3	55.2	-	n/a	52.7	-
01:35 AM - 01:40 AM	52.1	54.9	-	n/a	53.1	-
01:40 AM - 01:45 AM	52.0	51.8	-	41.5	50.5	9.0
01:45 AM - 01:50 AM	52.0	52.0	-	n/a	50.5	-
01:50 AM - 01:55 AM	50.9	53.8	-	n/a	52.7	-
01:55 AM - 02:00 AM	51.3	53.5	-	n/a	52.6	-
02:00 AM - 02:05 AM	51.0	53.4	-	n/a	52.4	-
02:05 AM - 02:10 AM	51.6	52.9	-	n/a	51.8	-
02:10 AM - 02:15 AM	51.9	52.9	-	n/a	52.2	-
02:15 AM - 02:20 AM	57.9	51.3	-	59.8	50.1	9.7
02:20 AM - 02:25 AM	51.3	52.2	-	n/a	51.4	-
02:25 AM - 02:30 AM	51.8	52.8	-	n/a	52.0	-
02:30 AM - 02:35 AM	52.0	52.2	-	n/a	51.7	-
02:35 AM - 02:40 AM	52.6	51.2	-	50.0	49.6	0.4
02:40 AM - 02:45 AM	52.2	49.9	-	51.3	49.0	2.3
02:45 AM - 02:50 AM	52.5	50.7	-	50.8	50.2	0.6
02:50 AM - 02:55 AM	51.9	51.7	-	41.4	50.1	-8.7
02:55 AM - 03:00 AM	51.9	56.2	-	n/a	50.6	-
03:00 AM - 03:05 AM	51.6	57.2	-	n/a	52.1	-
03:05 AM - 03:10 AM	52.2	56.5	-	n/a	50.8	-
03:10 AM - 03:15 AM	52.2	56.3	-	n/a	52.3	-
03:15 AM - 03:20 AM	52.4	54.3	-	n/a	49.5	-
03:20 AM - 03:25 AM	52.5	52.8	-	n/a	50.8	-
03:25 AM - 03:30 AM	60.2	55.1	-	61.6	52.3	9.3
03:30 AM - 03:35 AM	56.9	56.6	-	48.1	54.2	6.1
03:35 AM - 03:40 AM	62.3	56.3	-	64.3	52.7	11.6

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442537-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-11
Parameter เสียงรบกวน
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 20 - 21, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	58.2	54.5	-	58.8	51.7	7.1
03:45 AM - 03:50 AM	53.0	55.4	-	n/a	52.8	-
03:50 AM - 03:55 AM	53.0	54.9	-	n/a	52.7	-
03:55 AM - 04:00 AM	54.6	54.8	-	n/a	51.9	-
04:00 AM - 04:05 AM	61.8	55.2	-	63.7	52.3	11.4
04:05 AM - 04:10 AM	58.0	54.5	-	58.4	52.0	6.4
04:10 AM - 04:15 AM	51.9	54.6	-	n/a	52.3	-
04:15 AM - 04:20 AM	51.9	53.9	-	n/a	51.5	-
04:20 AM - 04:25 AM	52.8	54.4	-	n/a	51.4	-
04:25 AM - 04:30 AM	52.3	54.1	-	n/a	51.2	-
04:30 AM - 04:35 AM	51.4	52.2	-	n/a	50.3	-
04:35 AM - 04:40 AM	51.5	52.0	-	n/a	50.4	-
04:40 AM - 04:45 AM	51.4	53.2	-	n/a	51.6	-
04:45 AM - 04:50 AM	51.4	53.8	-	n/a	51.8	-
04:50 AM - 04:55 AM	51.1	52.1	-	n/a	49.9	-
04:55 AM - 05:00 AM	51.5	52.2	-	n/a	50.5	-
05:00 AM - 05:05 AM	51.1	52.7	-	n/a	51.0	-
05:05 AM - 05:10 AM	50.7	52.7	-	n/a	51.2	-
05:10 AM - 05:15 AM	50.4	52.6	-	n/a	51.1	-
05:15 AM - 05:20 AM	50.2	52.7	-	n/a	50.9	-
05:20 AM - 05:25 AM	50.3	53.4	-	n/a	51.2	-
05:25 AM - 05:30 AM	50.0	53.6	-	n/a	51.4	-
05:30 AM - 05:35 AM	49.7	54.3	-	n/a	51.9	-
05:35 AM - 05:40 AM	50.2	54.3	-	n/a	52.4	-
05:40 AM - 05:45 AM	49.9	54.6	-	n/a	52.9	-
05:45 AM - 05:50 AM	50.5	54.8	-	n/a	52.7	-
05:50 AM - 05:55 AM	51.1	57.5	-	n/a	53.1	-
05:55 AM - 06:00 AM	51.0	54.7	-	n/a	53.0	-
06:00 AM - 07:00 AM	51.0	54.5	n/a	-	52.1	-
07:00 AM - 08:00 AM	50.2	55.1	n/a	-	51.9	-
08:00 AM - 09:00 AM	52.4	51.6	44.7	-	49.6	-4.9
09:00 AM - 10:00 AM	54.6	48.5	53.4	-	47.2	6.2
ค่ามาตรฐาน						≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงลงเมื่อ 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงอุตสาหกรรมสุข เรื่อง กำหนดค่ามาตรฐานผลลัพธ์ทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 20-21 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2595684-11 วันที่ตรวจวัด 20-21 ตุลาคม 2568)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442538-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-12
Parameter เสียงรบกวน
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 21 - 22, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	55.3	49.1	54.1	-	47.5	6.6
11:00 AM - 12:00 PM	51.3	49.1	47.3	-	47.7	-0.4
12:00 PM - 01:00 PM	48.9	49.2	n/a	-	47.2	-
01:00 PM - 02:00 PM	49.2	50.2	n/a	-	48.1	-
02:00 PM - 03:00 PM	49.0	51.6	n/a	-	49.1	-
03:00 PM - 04:00 PM	49.2	51.5	n/a	-	49.3	-
04:00 PM - 05:00 PM	51.0	52.0	n/a	-	49.5	-
05:00 PM - 06:00 PM	51.0	53.1	n/a	-	50.1	-
06:00 PM - 07:00 PM	51.3	54.5	n/a	-	53.0	-
07:00 PM - 08:00 PM	52.5	57.5	n/a	-	55.7	-
08:00 PM - 09:00 PM	53.4	57.4	n/a	-	56.0	-
09:00 PM - 10:00 PM	55.0	58.1	n/a	-	55.6	-
10:00 PM - 10:05 PM	55.9	59.1	-	n/a	54.0	7.7
10:05 PM - 10:10 PM	58.3	57.7	-	52.4	53.7	-1.3
10:10 PM - 10:15 PM	59.2	54.0	-	60.6	53.3	7.3
10:15 PM - 10:20 PM	55.1	54.0	-	51.6	53.4	-1.8
10:20 PM - 10:25 PM	54.9	53.8	-	51.4	53.1	-1.7
10:25 PM - 10:30 PM	55.2	53.7	-	52.9	53.2	-0.3
10:30 PM - 10:35 PM	57.8	53.7	-	58.7	53.0	5.7
10:35 PM - 10:40 PM	56.8	53.7	-	56.9	53.1	3.8
10:40 PM - 10:45 PM	54.8	54.8	-	n/a	53.5	-
10:45 PM - 10:50 PM	55.1	54.3	-	50.4	53.2	-2.8
10:50 PM - 10:55 PM	56.0	53.7	-	55.1	53.1	2.0
10:55 PM - 11:00 PM	60.3	53.6	-	62.3	53.0	9.3
11:00 PM - 11:05 PM	55.9	53.6	-	55.0	52.9	2.1
11:05 PM - 11:10 PM	60.9	53.7	-	63.0	53.0	10.0
11:10 PM - 11:15 PM	56.0	54.1	-	54.5	53.4	1.1
11:15 PM - 11:20 PM	57.7	53.9	-	58.4	53.2	5.2
11:20 PM - 11:25 PM	57.7	54.1	-	58.2	52.8	5.4
11:25 PM - 11:30 PM	62.3	53.6	-	64.7	53.0	11.7
11:30 PM - 11:35 PM	59.2	53.4	-	60.9	52.7	8.2
11:35 PM - 11:40 PM	57.4	54.0	-	57.7	52.8	4.9
11:40 PM - 11:45 PM	58.3	57.5	-	53.6	53.9	-0.3
11:45 PM - 11:50 PM	58.9	58.0	-	55.9	53.3	1.6
11:50 PM - 11:55 PM	60.1	53.9	-	61.9	53.3	8.6
11:55 PM - 12:00 AM	58.4	54.9	-	58.8	53.3	5.5
12:00 AM - 12:05 AM	61.4	54.0	-	63.5	52.9	10.6
12:05 AM - 12:10 AM	57.1	53.4	-	57.7	52.4	5.3
12:10 AM - 12:15 AM	59.4	53.5	-	61.1	52.5	8.6
12:15 AM - 12:20 AM	62.1	53.2	-	64.5	52.3	12.2

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442538-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-12
Parameter เสียงรบกวน
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 21 - 22, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	57.0	57.8	-	57.9	52.0	5.9
12:25 AM - 12:30 AM	55.4	53.2	-	54.4	52.3	2.1
12:30 AM - 12:35 AM	54.4	53.5	-	59.1	52.5	2.4
12:35 AM - 12:40 AM	54.4	53.3	-	50.9	52.3	-1.4
12:40 AM - 12:45 AM	54.6	53.8	-	49.9	52.4	-2.5
12:45 AM - 12:50 AM	60.8	53.3	-	62.9	52.1	10.8
12:50 AM - 12:55 AM	56.3	54.3	-	55.0	52.2	2.8
12:55 AM - 01:00 AM	53.5	52.6	-	49.2	51.8	-2.6
01:00 AM - 01:05 AM	53.0	52.4	-	47.1	51.7	-4.6
01:05 AM - 01:10 AM	53.0	52.7	-	44.2	52.1	-7.9
01:10 AM - 01:15 AM	53.5	53.4	-	40.1	53.3	-13.2
01:15 AM - 01:20 AM	53.1	53.4	-	n/a	52.4	-
01:20 AM - 01:25 AM	53.2	53.7	-	n/a	52.5	-
01:25 AM - 01:30 AM	53.3	53.6	-	n/a	52.2	-
01:30 AM - 01:35 AM	53.4	53.2	-	42.9	52.2	-9.3
01:35 AM - 01:40 AM	53.1	52.9	-	42.6	52.1	-9.5
01:40 AM - 01:45 AM	53.3	56.4	-	n/a	52.3	-
01:45 AM - 01:50 AM	53.0	54.1	-	n/a	52.6	-
01:50 AM - 01:55 AM	53.3	53.6	-	n/a	52.3	-
01:55 AM - 02:00 AM	53.2	52.3	-	48.9	51.6	-2.7
02:00 AM - 02:05 AM	53.4	52.5	-	49.1	51.5	-2.4
02:05 AM - 02:10 AM	53.4	52.9	-	46.8	51.6	-4.8
02:10 AM - 02:15 AM	53.8	52.5	-	50.9	51.2	-0.3
02:15 AM - 02:20 AM	52.8	52.6	-	42.3	51.2	-8.9
02:20 AM - 02:25 AM	52.5	53.0	-	n/a	51.5	-
02:25 AM - 02:30 AM	52.7	53.2	-	n/a	51.4	-
02:30 AM - 02:35 AM	54.3	53.0	-	51.4	51.2	0.2
02:35 AM - 02:40 AM	53.7	53.2	-	47.1	51.4	-4.3
02:40 AM - 02:45 AM	53.3	53.4	-	n/a	51.4	-
02:45 AM - 02:50 AM	53.1	53.1	-	n/a	51.1	-
02:50 AM - 02:55 AM	53.1	53.3	-	n/a	51.0	-
02:55 AM - 03:00 AM	53.2	52.5	-	47.9	50.6	-2.7
03:00 AM - 03:05 AM	53.3	52.9	-	45.7	50.7	-5.0
03:05 AM - 03:10 AM	53.3	52.7	-	47.4	50.8	-3.4
03:10 AM - 03:15 AM	52.6	53.1	-	n/a	51.1	-
03:15 AM - 03:20 AM	52.5	53.6	-	n/a	51.3	-
03:20 AM - 03:25 AM	52.7	53.4	-	n/a	51.2	-
03:25 AM - 03:30 AM	52.6	53.1	-	n/a	50.8	-
03:30 AM - 03:35 AM	52.5	53.3	-	n/a	50.8	-
03:35 AM - 03:40 AM	52.3	53.2	-	n/a	50.8	-

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442538-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-12
Parameter เสียงรบกวน
Location ร้านค้ารายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 21 - 22, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	52.1	52.5	-	n/a	50.5	-
03:45 AM - 03:50 AM	51.9	52.6	-	n/a	50.6	-
03:50 AM - 03:55 AM	51.9	53.3	-	n/a	50.7	-
03:55 AM - 04:00 AM	51.9	53.1	-	n/a	50.6	-
04:00 AM - 04:05 AM	52.1	53.1	-	n/a	50.7	-
04:05 AM - 04:10 AM	51.7	53.8	-	n/a	50.8	-
04:10 AM - 04:15 AM	52.3	54.8	-	n/a	51.0	-
04:15 AM - 04:20 AM	52.2	54.6	-	n/a	51.1	-
04:20 AM - 04:25 AM	52.1	54.4	-	n/a	50.8	-
04:25 AM - 04:30 AM	51.9	52.1	-	n/a	50.5	-
04:30 AM - 04:35 AM	52.1	51.7	-	44.5	50.4	-5.9
04:35 AM - 04:40 AM	52.4	52.6	-	n/a	50.9	-
04:40 AM - 04:45 AM	52.2	53.0	-	n/a	51.1	-
04:45 AM - 04:50 AM	52.5	53.1	-	n/a	50.8	-
04:50 AM - 04:55 AM	52.3	52.9	-	n/a	50.8	-
04:55 AM - 05:00 AM	52.1	53.4	-	n/a	50.8	-
05:00 AM - 05:05 AM	51.1	55.5	-	n/a	51.8	-
05:05 AM - 05:10 AM	50.9	55.4	-	n/a	52.2	-
05:10 AM - 05:15 AM	51.8	55.6	-	n/a	52.4	-
05:15 AM - 05:20 AM	51.0	55.9	-	n/a	52.8	-
05:20 AM - 05:25 AM	51.8	56.0	-	n/a	52.6	-
05:25 AM - 05:30 AM	50.9	54.6	-	n/a	51.6	-
05:30 AM - 05:35 AM	51.0	54.5	-	n/a	51.4	-
05:35 AM - 05:40 AM	50.7	53.5	-	n/a	51.0	-
05:40 AM - 05:45 AM	50.6	52.4	-	n/a	51.2	-
05:45 AM - 05:50 AM	50.4	52.7	-	n/a	51.5	-
05:50 AM - 05:55 AM	50.1	53.8	-	n/a	51.8	-
05:55 AM - 06:00 AM	50.2	53.3	-	n/a	51.9	-
06:00 AM - 07:00 AM	50.4	53.7	n/a	-	51.9	-
07:00 AM - 08:00 AM	50.4	55.1	n/a	-	52.2	-
08:00 AM - 09:00 AM	52.3	52.3	n/a	-	49.8	-
09:00 AM - 10:00 AM	54.2	51.5	50.9	-	49.3	1.6
มาตรฐาน						≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 21-22 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2595684-12 วันที่ตรวจวัด 21-22 ตุลาคม 2568)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

This above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442539-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-13
Parameter เสียงรบกวน
Location ร้านค้ารายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 22 - 23, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	55.5	50.9	53.7	-	48.9	4.8
11:00 AM - 12:00 PM	54.0	51.1	50.9	-	48.9	2.0
12:00 PM - 01:00 PM	51.3	50.6	43.0	-	49.0	-6.0
01:00 PM - 02:00 PM	50.4	50.5	n/a	-	49.0	-
02:00 PM - 03:00 PM	51.1	50.6	41.5	-	48.8	-7.3
03:00 PM - 04:00 PM	50.8	50.9	n/a	-	49.4	-
04:00 PM - 05:00 PM	50.7	52.5	n/a	-	50.2	-
05:00 PM - 06:00 PM	50.6	54.3	n/a	-	51.5	-
06:00 PM - 07:00 PM	51.2	55.9	n/a	-	53.8	-
07:00 PM - 08:00 PM	52.9	56.7	n/a	-	54.7	-
08:00 PM - 09:00 PM	54.9	56.1	n/a	-	54.4	-
09:00 PM - 10:00 PM	57.0	56.7	45.2	-	54.5	-9.3
10:00 PM - 10:05 PM	57.2	54.9	-	56.3	53.8	2.5
10:05 PM - 10:10 PM	56.4	55.1	-	53.5	53.8	-0.3
10:10 PM - 10:15 PM	59.2	55.8	-	59.5	54.2	5.3
10:15 PM - 10:20 PM	60.5	55.2	-	62.0	53.8	8.2
10:20 PM - 10:25 PM	62.1	54.1	-	64.4	53.2	11.2
10:25 PM - 10:30 PM	58.2	53.4	-	59.5	52.8	6.7
10:30 PM - 10:35 PM	56.0	53.3	-	55.7	52.7	3.0
10:35 PM - 10:40 PM	59.2	53.3	-	60.9	52.6	8.3
10:40 PM - 10:45 PM	56.3	53.6	-	56.0	52.8	3.2
10:45 PM - 10:50 PM	54.5	53.4	-	53.0	52.7	1.7
10:50 PM - 10:55 PM	54.1	53.2	-	49.8	52.5	2.7
10:55 PM - 11:00 PM	57.5	52.7	-	58.8	52.1	6.7
11:00 PM - 11:05 PM	60.5	53.4	-	62.6	52.4	10.2
11:05 PM - 11:10 PM	58.7	54.0	-	59.9	52.7	7.2
11:10 PM - 11:15 PM	56.6	53.9	-	56.3	52.6	3.7
11:15 PM - 11:20 PM	55.3	53.6	-	53.4	52.7	0.7
11:20 PM - 11:25 PM	57.2	53.0	-	58.1	52.4	5.7
11:25 PM - 11:30 PM	58.0	54.1	-	60.3	52.6	7.7
11:30 PM - 11:35 PM	55.0	52.7	-	54.1	52.2	1.9
11:35 PM - 11:40 PM	54.5	52.6	-	53.0	52.2	0.8
11:40 PM - 11:45 PM	55.3	52.5	-	55.1	52.0	3.1
11:45 PM - 11:50 PM	54.3	52.6	-	52.4	52.1	0.3
11:50 PM - 11:55 PM	55.0	52.6	-	54.3	52.1	2.2
11:55 PM - 12:00 AM	57.1	52.3	-	58.4	51.8	6.6
12:00 AM - 12:05 AM	63.2	52.6	-	65.8	52.0	13.8
12:05 AM - 12:10 AM	58.6	52.6	-	60.3	52.0	8.3
12:10 AM - 12:15 AM	58.7	52.4	-	60.5	51.9	8.6
12:15 AM - 12:20 AM	56.8	53.7	-	57.7	53.2	6.6

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Approved by
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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442539-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-13
Parameter เสียงรบกวน
Location ร้านค้ารายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 22 - 23, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	55.2	52.8	-	54.5	52.0	2.5
12:25 AM - 12:30 AM	54.9	52.5	-	54.2	51.9	2.3
12:30 AM - 12:35 AM	54.9	52.4	-	54.3	51.8	2.5
12:35 AM - 12:40 AM	54.6	52.4	-	53.6	51.9	1.7
12:40 AM - 12:45 AM	54.4	52.6	-	52.7	51.9	0.8
12:45 AM - 12:50 AM	55.0	51.9	-	55.1	51.4	3.7
12:50 AM - 12:55 AM	54.2	52.0	-	53.2	51.5	1.7
12:55 AM - 01:00 AM	54.6	52.2	-	52.3	51.7	0.6
01:00 AM - 01:05 AM	54.8	52.4	-	54.1	51.6	2.5
01:05 AM - 01:10 AM	54.2	51.8	-	53.5	51.2	2.3
01:10 AM - 01:15 AM	53.9	53.2	-	n/a	51.3	-
01:15 AM - 01:20 AM	52.0	51.8	-	41.5	51.1	-9.6
01:20 AM - 01:25 AM	52.1	51.8	-	43.3	51.2	-7.9
01:25 AM - 01:30 AM	52.0	51.7	-	43.2	51.2	-8.0
01:30 AM - 01:35 AM	52.4	51.4	-	48.5	50.8	-2.3
01:35 AM - 01:40 AM	52.3	51.5	-	47.6	50.8	-3.2
01:40 AM - 01:45 AM	52.0	51.5	-	45.4	50.9	-5.5
01:45 AM - 01:50 AM	51.8	51.4	-	44.2	50.9	-6.7
01:50 AM - 01:55 AM	51.6	51.4	-	41.1	50.8	-9.7
01:55 AM - 02:00 AM	51.9	51.3	-	46.0	50.7	-4.7
02:00 AM - 02:05 AM	51.9	51.6	-	43.1	51.0	-7.9
02:05 AM - 02:10 AM	52.1	51.6	-	45.5	51.1	-5.6
02:10 AM - 02:15 AM	52.2	51.5	-	46.9	51.0	-4.1
02:15 AM - 02:20 AM	53.7	51.6	-	52.5	51.0	1.5
02:20 AM - 02:25 AM	52.0	51.5	-	45.4	50.9	-5.5
02:25 AM - 02:30 AM	52.2	51.6	-	46.3	51.0	-4.7
02:30 AM - 02:35 AM	51.9	51.6	-	43.1	51.0	-7.9
02:35 AM - 02:40 AM	52.0	51.3	-	46.7	50.6	-3.9
02:40 AM - 02:45 AM	51.9	51.4	-	45.3	50.8	-5.5
02:45 AM - 02:50 AM	51.8	51.2	-	45.9	50.5	-4.6
02:50 AM - 02:55 AM	52.0	51.2	-	47.3	50.5	-3.2
02:55 AM - 03:00 AM	52.2	51.0	-	49.0	50.4	-1.4
03:00 AM - 03:05 AM	51.8	51.2	-	45.9	50.6	-4.7
03:05 AM - 03:10 AM	52.0	51.2	-	47.3	50.5	-3.2
03:10 AM - 03:15 AM	52.3	51.0	-	49.4	50.3	-0.9
03:15 AM - 03:20 AM	51.9	51.1	-	47.2	50.4	-3.2
03:20 AM - 03:25 AM	51.6	50.8	-	46.9	50.0	-3.1
03:25 AM - 03:30 AM	51.3	50.8	-	44.7	50.0	-5.3
03:30 AM - 03:35 AM	51.5	50.4	-	48.0	49.4	-1.4
03:35 AM - 03:40 AM	51.6	50.0	-	49.5	49.2	0.3

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Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442539-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-13
Parameter เสียงรบกวน
Location ร้านค้ารายในนิคมที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 22 - 23, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	51.6	50.4	-	48.4	49.6	-1.2
03:45 AM - 03:50 AM	51.7	51.1	-	45.8	50.3	-4.5
03:50 AM - 03:55 AM	51.7	50.9	-	47.0	50.1	-3.1
03:55 AM - 04:00 AM	51.1	51.0	-	37.7	50.1	-12.4
04:00 AM - 04:05 AM	52.8	50.5	-	51.9	49.8	2.1
04:05 AM - 04:10 AM	51.4	50.7	-	46.1	49.9	-3.8
04:10 AM - 04:15 AM	51.2	51.0	-	40.7	50.1	9.4
04:15 AM - 04:20 AM	51.3	51.2	-	37.9	50.1	-12.2
04:20 AM - 04:25 AM	51.3	50.9	-	43.7	49.9	-6.2
04:25 AM - 04:30 AM	51.1	51.7	-	n/a	50.6	-
04:30 AM - 04:35 AM	51.1	51.6	-	n/a	50.5	-
04:35 AM - 04:40 AM	50.9	51.1	-	n/a	50.0	-
04:40 AM - 04:45 AM	51.0	51.1	-	n/a	49.9	-
04:45 AM - 04:50 AM	50.8	50.9	-	n/a	49.6	-
04:50 AM - 04:55 AM	51.1	50.8	-	42.3	49.6	-7.3
04:55 AM - 05:00 AM	50.8	51.4	-	n/a	49.7	-
05:00 AM - 05:05 AM	50.9	51.6	-	n/a	49.9	-
05:05 AM - 05:10 AM	51.2	52.5	-	n/a	50.4	-
05:10 AM - 05:15 AM	51.1	52.7	-	n/a	50.7	-
05:15 AM - 05:20 AM	51.0	53.1	-	n/a	50.6	-
05:20 AM - 05:25 AM	51.0	52.8	-	n/a	50.5	-
05:25 AM - 05:30 AM	51.1	53.3	-	n/a	50.5	-
05:30 AM - 05:35 AM	50.8	51.7	-	n/a	50.1	-
05:35 AM - 05:40 AM	50.2	51.9	-	n/a	50.1	-
05:40 AM - 05:45 AM	49.8	53.6	-	n/a	50.5	-
05:45 AM - 05:50 AM	49.7	53.6	-	n/a	50.6	-
05:50 AM - 05:55 AM	49.6	53.4	-	n/a	51.1	-
05:55 AM - 06:00 AM	50.2	53.4	-	n/a	51.2	-
06:00 AM - 07:00 AM	49.6	53.9	n/a	-	51.3	-
07:00 AM - 08:00 AM	50.3	58.1	n/a	-	53.2	-
08:00 AM - 09:00 AM	51.4	60.8	n/a	-	55.1	-
09:00 AM - 10:00 AM	54.2	49.7	52.3	-	48.1	4.2
มาตรฐาน						≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 22-23 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2595684-13 วันที่ตรวจวัด 22-23 ตุลาคม 2568)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

This above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442540-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-14
Parameter เสียงรบกวน
Location ร้านค้าสายไนมิตรที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 23 - 24, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
10:00 AM - 11:00 AM	58.3	49.7	57.7	-	48.9	8.8
11:00 AM - 12:00 PM	60.2	50.1	59.8	-	48.9	10.9
12:00 PM - 01:00 PM	49.9	50.5	n/a	-	49.0	-
01:00 PM - 02:00 PM	49.5	49.9	n/a	-	49.0	-
02:00 PM - 03:00 PM	50.4	51.2	n/a	-	48.8	-
03:00 PM - 04:00 PM	50.7	52.5	n/a	-	49.4	-
04:00 PM - 05:00 PM	49.9	52.4	n/a	-	50.2	-
05:00 PM - 06:00 PM	57.8	53.2	n/a	-	51.5	-
06:00 PM - 07:00 PM	51.2	53.7	n/a	-	53.8	-
07:00 PM - 08:00 PM	52.8	55.6	n/a	-	54.7	-
08:00 PM - 09:00 PM	53.4	53.8	n/a	-	54.4	-
09:00 PM - 10:00 PM	54.3	54.8	n/a	-	54.5	-
10:00 PM - 10:05 PM	56.9	53.6	-	57.2	53.8	3.4
10:05 PM - 10:10 PM	55.4	53.5	-	53.9	53.8	0.1
10:10 PM - 10:15 PM	55.6	53.5	-	54.4	54.2	0.2
10:15 PM - 10:20 PM	55.4	53.7	-	53.5	53.8	-0.3
10:20 PM - 10:25 PM	59.2	53.4	-	60.9	53.2	7.7
10:25 PM - 10:30 PM	57.3	53.5	-	58.0	52.8	5.2
10:30 PM - 10:35 PM	56.8	53.5	-	57.1	52.7	4.4
10:35 PM - 10:40 PM	55.3	52.9	-	54.6	52.6	2.0
10:40 PM - 10:45 PM	58.0	53.1	-	59.3	52.8	6.5
10:45 PM - 10:50 PM	57.1	53.3	-	57.8	52.7	5.1
10:50 PM - 10:55 PM	54.2	53.3	-	49.9	52.5	2.6
10:55 PM - 11:00 PM	56.3	52.9	-	56.6	52.1	4.5
11:00 PM - 11:05 PM	55.0	53.0	-	53.7	52.4	1.3
11:05 PM - 11:10 PM	55.1	53.5	-	53.0	52.7	0.3
11:10 PM - 11:15 PM	53.5	53.1	-	45.9	52.6	-6.7
11:15 PM - 11:20 PM	53.3	54.2	-	n/a	52.7	-
11:20 PM - 11:25 PM	53.3	53.3	-	n/a	52.4	-
11:25 PM - 11:30 PM	53.0	53.6	-	n/a	52.6	-
11:30 PM - 11:35 PM	53.3	53.3	-	n/a	52.2	-
11:35 PM - 11:40 PM	53.5	53.1	-	45.9	52.2	-6.3
11:40 PM - 11:45 PM	53.0	52.9	-	39.6	52.0	-12.4
11:45 PM - 11:50 PM	53.5	52.9	-	47.6	52.1	-4.5
11:50 PM - 11:55 PM	53.3	52.8	-	46.7	52.1	-5.4
11:55 PM - 12:00 AM	54.2	52.9	-	51.3	51.8	-0.5
12:00 AM - 12:05 AM	55.7	53.1	-	55.2	52.0	3.2
12:05 AM - 12:10 AM	53.9	52.9	-	50.0	52.0	-2.0
12:10 AM - 12:15 AM	58.1	52.9	-	59.5	51.9	7.6
12:15 AM - 12:20 AM	54.8	52.0	-	58.1	52.2	5.9

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442540-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-14
Parameter เสียงรบกวน
Location ร้านค้าสายไนมิตรที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 23 - 24, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:20 AM - 12:25 AM	55.3	50.5	-	56.6	52.0	4.6
12:25 AM - 12:30 AM	55.7	50.7	-	57.0	51.9	5.1
12:30 AM - 12:35 AM	53.3	50.7	-	53.2	51.8	1.4
12:35 AM - 12:40 AM	53.7	50.5	-	53.9	51.9	2.0
12:40 AM - 12:45 AM	54.2	50.7	-	54.6	51.9	2.7
12:45 AM - 12:50 AM	53.8	50.6	-	54.0	51.4	2.6
12:50 AM - 12:55 AM	54.2	50.4	-	54.9	51.5	3.4
12:55 AM - 01:00 AM	53.9	50.4	-	54.3	51.7	2.6
01:00 AM - 01:05 AM	53.7	50.4	-	54.0	51.6	2.4
01:05 AM - 01:10 AM	56.3	51.3	-	54.7	51.2	6.4
01:10 AM - 01:15 AM	55.2	51.1	-	56.1	51.3	4.8
01:15 AM - 01:20 AM	55.2	50.8	-	56.2	51.1	5.1
01:20 AM - 01:25 AM	53.0	51.0	-	51.7	51.2	0.5
01:25 AM - 01:30 AM	52.8	51.1	-	50.9	51.2	-0.3
01:30 AM - 01:35 AM	52.7	51.4	-	49.8	50.8	-1.0
01:35 AM - 01:40 AM	52.3	51.4	-	48.8	50.8	-2.8
01:40 AM - 01:45 AM	52.1	51.4	-	46.8	50.9	-4.1
01:45 AM - 01:50 AM	52.4	51.1	-	49.5	50.9	-1.4
01:50 AM - 01:55 AM	53.0	50.9	-	51.8	50.8	1.0
01:55 AM - 02:00 AM	52.6	50.7	-	51.1	50.7	0.4
02:00 AM - 02:05 AM	53.1	50.8	-	52.2	51.0	1.2
02:05 AM - 02:10 AM	54.1	50.8	-	54.4	51.1	3.3
02:10 AM - 02:15 AM	52.7	50.8	-	51.2	51.0	0.2
02:15 AM - 02:20 AM	52.4	50.8	-	50.3	51.0	-0.7
02:20 AM - 02:25 AM	51.6	50.6	-	47.7	50.9	-3.2
02:25 AM - 02:30 AM	51.7	50.5	-	48.5	51.0	-2.5
02:30 AM - 02:35 AM	52.1	49.6	-	51.5	51.0	0.5
02:35 AM - 02:40 AM	51.9	50.2	-	50.0	50.6	-0.6
02:40 AM - 02:45 AM	52.2	49.9	-	51.1	50.8	0.5
02:45 AM - 02:50 AM	52.3	49.7	-	51.8	50.5	1.3
02:50 AM - 02:55 AM	51.8	49.8	-	50.5	50.5	0.0
02:55 AM - 03:00 AM	51.6	50.2	-	49.0	50.4	-1.4
03:00 AM - 03:05 AM	51.8	50.3	-	49.5	50.6	-1.1
03:05 AM - 03:10 AM	51.6	50.4	-	48.4	50.5	-2.1
03:10 AM - 03:15 AM	52.3	50.4	-	50.8	50.3	0.5
03:15 AM - 03:20 AM	52.7	50.1	-	52.2	50.4	1.8
03:20 AM - 03:25 AM	52.4	50.4	-	51.1	50.0	1.1
03:25 AM - 03:30 AM	52.4	50.2	-	51.4	50.0	1.4
03:30 AM - 03:35 AM	52.2	50.5	-	50.3	49.4	0.9
03:35 AM - 03:40 AM	52.2	50.3	-	50.7	49.2	1.5

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595683
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report Number : 3442540-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595683-14
Parameter เสียงรบกวน
Location ร้านค้าสายไนมิตรที่อยู่ใกล้เคียงโครงการ (GPS 47P 672338, 1576199)
Measurement Date Oct 23 - 24, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00858527

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:40 AM - 03:45 AM	51.8	49.9	-	50.3	49.6	0.7
03:45 AM - 03:50 AM	52.7	49.7	-	52.7	50.3	2.4
03:50 AM - 03:55 AM	52.4	50.5	-	50.9	50.1	0.8
03:55 AM - 04:00 AM	51.9	50.7	-	48.7	50.1	-1.4
04:00 AM - 04:05 AM	51.7	50.7	-	47.8	49.8	-2.0
04:05 AM - 04:10 AM	50.0	50.8	-	n/a	49.9	-
04:10 AM - 04:15 AM	47.9	50.7	-	n/a	50.1	-
04:15 AM - 04:20 AM	48.1	50.2	-	n/a	50.1	-
04:20 AM - 04:25 AM	48.2	49.9	-	n/a	49.9	-
04:25 AM - 04:30 AM	48.9	49.4	-	n/a	50.6	-
04:30 AM - 04:35 AM	49.9	49.2	-	44.6	50.5	-5.9
04:35 AM - 04:40 AM	50.3	49.4	-	46.0	50.0	-4.0
04:40 AM - 04:45 AM	50.8	49.9	-	46.5	49.9	-3.4
04:45 AM - 04:50 AM	49.7	51.5	-	n/a	49.6	-
04:50 AM - 04:55 AM	51.4	50.9	-	44.8	49.6	-4.8
04:55 AM - 05:00 AM	50.2	51.8	-	n/a	49.7	-
05:00 AM - 05:05 AM	49.6	52.2	-	n/a	49.9	-
05:05 AM - 05:10 AM	49.4	52.6	-	n/a	50.4	-
05:10 AM - 05:15 AM	53.4	53.2	-	42.9	50.7	-7.8
05:15 AM - 05:20 AM	53.6	53.5	-	40.2	50.6	-10.4
05:20 AM - 05:25 AM	48.2	53.2	-	n/a	50.5	-
05:25 AM - 05:30 AM	48.4	52.8	-	n/a	50.5	-
05:30 AM - 05:35 AM	51.0	53.0	-	n/a	50.1	-
05:35 AM - 05:40 AM	52.9	52.7	-	42.4	50.1	7.7
05:40 AM - 05:45 AM	47.9	53.1	-	n/a	50.5	-
05:45 AM - 05:50 AM	48.0	53.5	-	n/a	50.6	-
05:50 AM - 05:55 AM	50.0	53.4	-	n/a	51.1	-
05:55 AM - 06:00 AM	48.1	53.6	-	n/a	51.2	-
06:00 AM - 07:00 AM	48.2	53.9	n/a	-	51.3	-
07:00 AM - 08:00 AM	50.9	54.6	n/a	-	53.2	-
08:00 AM - 09:00 AM	48.6	52.0	n/a	-	55.1	-
09:00 AM - 10:00 AM	51.0	54.5	n/a	-	48.1	-

ค่ามาตรฐาน ≤ 10

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงสม่ำเสมอ 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเพิ่มทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 23-24 ตุลาคม 2568
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2595684-14 วันที่ตรวจวัด 23-24 ตุลาคม 2568)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

This above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442460-1

P/O : 4210170256
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-1
Parameter Noise
Location จุดวัดค่าบริเวณใกล้รั้วโครงการ (GPS 47P 671390, 1576135) (จุดต่างถิ่น) (Shut down)
Measurement Date Oct 17 - 18, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	61.8	86.6	58.5
02:00 PM - 03:00 PM	60.7	82.8	57.8
03:00 PM - 04:00 PM	62.8	78.5	60.5
04:00 PM - 05:00 PM	62.8	81.6	59.6
05:00 PM - 06:00 PM	57.3	64.8	56.7
06:00 PM - 07:00 PM	57.8	69.5	57.1
07:00 PM - 08:00 PM	58.0	71.6	57.1
08:00 PM - 09:00 PM	55.5	64.2	54.8
09:00 PM - 10:00 PM	54.8	60.6	54.2
10:00 PM - 10:05 PM	54.1	59.4	53.6
10:05 PM - 10:10 PM	54.7	58.9	54.2
10:10 PM - 10:15 PM	56.7	62.2	54.3
10:15 PM - 10:20 PM	53.1	57.9	52.6
10:20 PM - 10:25 PM	53.6	57.6	52.9
10:25 PM - 10:30 PM	53.8	57.3	53.2
10:30 PM - 10:35 PM	53.2	55.4	52.7
10:35 PM - 10:40 PM	53.0	55.3	52.7
10:40 PM - 10:45 PM	54.2	64.3	52.6
10:45 PM - 10:50 PM	52.7	54.5	52.3
10:50 PM - 10:55 PM	52.7	56.4	52.3
10:55 PM - 11:00 PM	52.6	54.5	52.2
11:00 PM - 11:05 PM	52.6	54.8	52.1
11:05 PM - 11:10 PM	52.5	53.8	52.2
11:10 PM - 11:15 PM	52.6	55.5	52.3
11:15 PM - 11:20 PM	52.5	54.9	52.1
11:20 PM - 11:25 PM	52.5	53.7	52.1
11:25 PM - 11:30 PM	52.6	60.0	52.2
11:30 PM - 11:35 PM	52.6	55.9	52.2
11:35 PM - 11:40 PM	53.2	64.0	52.3
11:40 PM - 11:45 PM	52.3	53.6	51.9
11:45 PM - 11:50 PM	52.2	53.3	51.8
11:50 PM - 11:55 PM	52.4	57.6	51.9
11:55 PM - 12:00 AM	52.5	57.1	52.0
12:00 AM - 12:05 AM	52.5	61.1	52.0
12:05 AM - 12:10 AM	52.2	55.4	51.8
12:10 AM - 12:15 AM	52.1	57.3	51.7
12:15 AM - 12:20 AM	52.0	56.1	51.7
12:20 AM - 12:25 AM	52.2	57.7	51.7
12:25 AM - 12:30 AM	52.2	59.2	51.7
12:30 AM - 12:35 AM	52.1	54.9	51.7

This above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442460-1

Sample No. 2598902-1
Parameter Noise
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671390, 1576135) (จุดอ้างอิง) (Shut down)
Measurement Date Oct 17 - 18, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:35 AM - 12:40 AM	52.2	55.2	51.8
12:40 AM - 12:45 AM	52.7	58.5	52.0
12:45 AM - 12:50 AM	52.4	54.8	51.9
12:50 AM - 12:55 AM	52.4	55.3	51.9
12:55 AM - 01:00 AM	52.3	56.0	51.8
01:00 AM - 01:05 AM	52.3	57.2	51.7
01:05 AM - 01:10 AM	52.1	58.5	51.9
01:10 AM - 01:15 AM	52.8	56.3	52.1
01:15 AM - 01:20 AM	52.5	54.9	52.0
01:20 AM - 01:25 AM	52.3	54.9	51.9
01:25 AM - 01:30 AM	52.5	55.9	52.1
01:30 AM - 01:35 AM	52.4	56.4	52.0
01:35 AM - 01:40 AM	52.6	54.9	52.1
01:40 AM - 01:45 AM	52.6	54.2	52.1
01:45 AM - 01:50 AM	52.7	58.6	52.1
01:50 AM - 01:55 AM	52.8	56.2	52.2
01:55 AM - 02:00 AM	52.8	58.4	52.1
02:00 AM - 02:05 AM	52.7	57.4	52.1
02:05 AM - 02:10 AM	52.7	57.4	52.2
02:10 AM - 02:15 AM	53.0	58.9	52.4
02:15 AM - 02:20 AM	53.4	59.2	52.5
02:20 AM - 02:25 AM	53.2	57.1	52.6
02:25 AM - 02:30 AM	53.5	60.2	52.6
02:30 AM - 02:35 AM	53.1	58.9	52.6
02:35 AM - 02:40 AM	53.1	56.2	52.7
02:40 AM - 02:45 AM	53.3	54.9	52.9
02:45 AM - 02:50 AM	54.2	63.7	53.0
02:50 AM - 02:55 AM	53.8	64.3	53.1
02:55 AM - 03:00 AM	53.9	62.3	53.2
03:00 AM - 03:05 AM	54.0	58.8	53.5
03:05 AM - 03:10 AM	55.2	63.3	53.5
03:10 AM - 03:15 AM	54.0	65.8	53.2
03:15 AM - 03:20 AM	54.3	61.6	53.3
03:20 AM - 03:25 AM	54.7	64.4	53.3
03:25 AM - 03:30 AM	57.0	66.8	53.6
03:30 AM - 03:35 AM	57.0	66.8	54.2
03:35 AM - 03:40 AM	58.6	68.0	54.3
03:40 AM - 03:45 AM	58.1	65.6	54.8
03:45 AM - 03:50 AM	58.9	66.7	55.1
03:50 AM - 03:55 AM	60.1	69.8	56.6

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442460-1

Sample No. 2598902-1
Parameter Noise
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671390, 1576135) (จุดอ้างอิง) (Shut down)
Measurement Date Oct 17 - 18, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:55 AM - 04:00 AM	60.8	67.6	57.6
04:00 AM - 04:05 AM	62.0	71.1	58.9
04:05 AM - 04:10 AM	62.8	69.2	59.6
04:10 AM - 04:15 AM	64.0	69.6	61.5
04:15 AM - 04:20 AM	64.3	70.1	62.3
04:20 AM - 04:25 AM	63.7	69.3	61.7
04:25 AM - 04:30 AM	65.0	69.2	63.1
04:30 AM - 04:35 AM	67.1	72.5	65.2
04:35 AM - 04:40 AM	68.1	72.3	66.7
04:40 AM - 04:45 AM	66.1	71.9	62.9
04:45 AM - 04:50 AM	61.4	68.9	57.7
04:50 AM - 04:55 AM	56.7	66.5	53.7
04:55 AM - 05:00 AM	54.7	66.0	53.0
05:00 AM - 05:05 AM	55.2	63.8	53.1
05:05 AM - 05:10 AM	57.4	71.1	54.2
05:10 AM - 05:15 AM	57.4	66.8	54.6
05:15 AM - 05:20 AM	59.0	71.9	54.8
05:20 AM - 05:25 AM	57.7	67.8	54.7
05:25 AM - 05:30 AM	61.2	71.4	55.8
05:30 AM - 05:35 AM	61.0	71.1	55.6
05:35 AM - 05:40 AM	62.7	74.5	56.5
05:40 AM - 05:45 AM	60.5	73.0	56.8
05:45 AM - 05:50 AM	58.9	67.8	55.5
05:50 AM - 05:55 AM	58.8	68.3	55.7
05:55 AM - 06:00 AM	58.9	67.9	55.1
06:00 AM - 07:00 AM	57.8	71.5	56.1
07:00 AM - 08:00 AM	59.0	74.8	58.0
08:00 AM - 09:00 AM	57.6	67.6	56.9
09:00 AM - 10:00 AM	57.8	74.2	57.0
10:00 AM - 11:00 AM	56.4	66.5	55.6
11:00 AM - 12:00 PM	57.3	67.5	56.5
12:00 PM - 01:00 PM	57.4	72.2	56.7

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงจากการประกอบกิจการโรงงาน พ.ศ. 2567

Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442461-1

Sample No. 2598902-2
Parameter Noise
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671390, 1576135) (จุดอ้างอิง) (Shut down)
Measurement Date Oct 18 - 19, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	61.3	83.1	57.8
02:00 PM - 03:00 PM	57.8	75.5	55.4
03:00 PM - 04:00 PM	59.6	73.9	57.0
04:00 PM - 05:00 PM	60.5	79.1	57.8
05:00 PM - 06:00 PM	57.4	66.0	56.8
06:00 PM - 07:00 PM	56.9	69.8	56.0
07:00 PM - 08:00 PM	57.9	69.5	57.0
08:00 PM - 09:00 PM	53.7	65.4	53.2
09:00 PM - 10:00 PM	54.3	66.8	53.6
10:00 PM - 10:05 PM	52.8	57.1	52.2
10:05 PM - 10:10 PM	54.2	62.9	53.4
10:10 PM - 10:15 PM	54.6	59.0	54.0
10:15 PM - 10:20 PM	54.9	62.5	54.1
10:20 PM - 10:25 PM	53.8	56.7	53.2
10:25 PM - 10:30 PM	53.3	60.1	52.9
10:30 PM - 10:35 PM	53.2	55.6	52.8
10:35 PM - 10:40 PM	54.3	61.8	53.1
10:40 PM - 10:45 PM	55.0	58.2	54.6
10:45 PM - 10:50 PM	54.9	60.5	54.5
10:50 PM - 10:55 PM	54.8	64.0	53.9
10:55 PM - 11:00 PM	54.1	55.2	53.7
11:00 PM - 11:05 PM	53.9	55.2	53.6
11:05 PM - 11:10 PM	53.9	55.2	53.6
11:10 PM - 11:15 PM	53.7	56.3	53.1
11:15 PM - 11:20 PM	53.1	54.2	52.8
11:20 PM - 11:25 PM	52.8	54.0	52.4
11:25 PM - 11:30 PM	52.6	54.0	52.2
11:30 PM - 11:35 PM	52.8	53.8	52.5
11:35 PM - 11:40 PM	53.0	54.2	52.6
11:40 PM - 11:45 PM	53.1	58.1	52.7
11:45 PM - 11:50 PM	53.3	59.4	52.9
11:50 PM - 11:55 PM	52.9	54.4	52.5
11:55 PM - 12:00 AM	52.9	54.1	52.4
12:00 AM - 12:05 AM	52.9	54.4	52.5
12:05 AM - 12:10 AM	52.7	53.8	52.3
12:10 AM - 12:15 AM	53.2	57.0	52.7
12:15 AM - 12:20 AM	53.7	55.1	53.3
12:20 AM - 12:25 AM	54.0	55.1	53.5
12:25 AM - 12:30 AM	54.2	55.3	53.8
12:30 AM - 12:35 AM	54.8	56.0	54.3

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Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442461-1

Sample No. 2598902-2
Parameter Noise
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671390, 1576135) (จุดอ้างอิง) (Shut down)
Measurement Date Oct 18 - 19, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:35 AM - 12:40 AM	54.9	64.1	54.2
12:40 AM - 12:45 AM	54.6	56.3	54.0
12:45 AM - 12:50 AM	54.2	57.9	53.6
12:50 AM - 12:55 AM	55.1	58.3	54.4
12:55 AM - 01:00 AM	54.9	58.1	54.4
01:00 AM - 01:05 AM	54.9	56.1	54.5
01:05 AM - 01:10 AM	54.8	56.9	54.4
01:10 AM - 01:15 AM	54.9	57.2	54.5
01:15 AM - 01:20 AM	55.0	56.3	54.5
01:20 AM - 01:25 AM	54.8	56.2	54.5
01:25 AM - 01:30 AM	54.8	56.4	54.3
01:30 AM - 01:35 AM	55.0	57.1	54.6
01:35 AM - 01:40 AM	54.8	56.6	54.4
01:40 AM - 01:45 AM	54.3	58.6	53.8
01:45 AM - 01:50 AM	54.1	56.3	53.6
01:50 AM - 01:55 AM	54.2	56.3	53.7
01:55 AM - 02:00 AM	54.4	57.8	53.8
02:00 AM - 02:05 AM	54.5	57.0	53.9
02:05 AM - 02:10 AM	54.5	57.3	53.9
02:10 AM - 02:15 AM	54.8	59.9	53.9
02:15 AM - 02:20 AM	54.2	58.0	53.8
02:20 AM - 02:25 AM	54.3	61.5	53.8
02:25 AM - 02:30 AM	54.5	58.4	53.7
02:30 AM - 02:35 AM	54.2	57.3	53.8
02:35 AM - 02:40 AM	54.7	60.1	54.1
02:40 AM - 02:45 AM	54.6	58.0	54.1
02:45 AM - 02:50 AM	55.0	61.0	54.2
02:50 AM - 02:55 AM	54.5	58.8	54.1
02:55 AM - 03:00 AM	54.4	60.6	54.0
03:00 AM - 03:05 AM	54.6	58.8	54.0
03:05 AM - 03:10 AM	54.9	60.2	54.1
03:10 AM - 03:15 AM	55.3	68.4	54.3
03:15 AM - 03:20 AM	54.8	61.9	54.2
03:20 AM - 03:25 AM	55.2	65.2	54.2
03:25 AM - 03:30 AM	55.3	63.9	54.5
03:30 AM - 03:35 AM	57.3	68.9	54.6
03:35 AM - 03:40 AM	58.1	67.9	55.3
03:40 AM - 03:45 AM	58.9	67.5	55.8
03:45 AM - 03:50 AM	58.9	67.7	56.9
03:50 AM - 03:55 AM	59.0	67.4	55.9

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Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442461-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-2
Parameter Noise
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671390, 1576135) (จุดดำเนิน) (Shut down)
Measurement Date Oct 18 - 19, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:55 AM - 04:00 AM	60.3	67.3	56.5
04:00 AM - 04:05 AM	62.0	68.0	58.9
04:05 AM - 04:10 AM	62.8	68.8	58.6
04:10 AM - 04:15 AM	64.0	71.7	61.3
04:15 AM - 04:20 AM	63.8	68.7	61.6
04:20 AM - 04:25 AM	64.2	71.2	62.4
04:25 AM - 04:30 AM	65.5	71.4	63.6
04:30 AM - 04:35 AM	67.1	71.4	65.3
04:35 AM - 04:40 AM	68.0	72.8	66.1
04:40 AM - 04:45 AM	65.0	73.9	62.3
04:45 AM - 04:50 AM	66.4	67.7	56.2
04:50 AM - 04:55 AM	57.0	66.0	54.7
04:55 AM - 05:00 AM	54.9	64.6	53.4
05:00 AM - 05:05 AM	54.4	61.6	53.3
05:05 AM - 05:10 AM	55.5	66.0	53.5
05:10 AM - 05:15 AM	54.5	62.2	53.2
05:15 AM - 05:20 AM	54.5	66.1	53.2
05:20 AM - 05:25 AM	54.8	65.4	53.1
05:25 AM - 05:30 AM	53.6	57.8	52.8
05:30 AM - 05:35 AM	54.6	62.9	52.9
05:35 AM - 05:40 AM	54.6	68.1	53.0
05:40 AM - 05:45 AM	54.1	60.6	52.9
05:45 AM - 05:50 AM	53.8	62.3	52.9
05:50 AM - 05:55 AM	54.2	71.3	52.7
05:55 AM - 06:00 AM	53.5	65.6	52.8
06:00 AM - 07:00 AM	53.6	72.5	52.5
07:00 AM - 08:00 AM	53.4	75.5	52.0
08:00 AM - 09:00 AM	52.8	70.2	51.4
09:00 AM - 10:00 AM	52.2	62.9	51.0
10:00 AM - 11:00 AM	51.7	66.4	50.8
11:00 AM - 12:00 PM	51.6	65.1	50.6
12:00 PM - 01:00 PM	51.9	60.9	51.1

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการระบายเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442462-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-3
Parameter Noise
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671390, 1576135) (จุดดำเนิน) (Shut down)
Measurement Date Oct 19 - 20, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	52.1	73.8	51.2
02:00 PM - 03:00 PM	53.7	68.6	51.4
03:00 PM - 04:00 PM	53.6	71.6	52.2
04:00 PM - 05:00 PM	61.1	81.7	57.0
05:00 PM - 06:00 PM	53.0	69.3	52.3
06:00 PM - 07:00 PM	53.2	66.2	52.5
07:00 PM - 08:00 PM	53.0	60.1	52.4
08:00 PM - 09:00 PM	53.4	63.9	52.8
09:00 PM - 10:00 PM	52.3	58.7	51.4
10:00 PM - 10:05 PM	51.4	57.3	50.9
10:05 PM - 10:10 PM	51.1	52.1	50.8
10:10 PM - 10:15 PM	51.5	59.6	50.6
10:15 PM - 10:20 PM	51.1	53.2	50.7
10:20 PM - 10:25 PM	51.1	54.0	50.7
10:25 PM - 10:30 PM	51.1	52.5	50.8
10:30 PM - 10:35 PM	51.0	54.0	50.7
10:35 PM - 10:40 PM	51.3	52.4	50.9
10:40 PM - 10:45 PM	51.1	55.2	50.7
10:45 PM - 10:50 PM	51.0	55.1	50.5
10:50 PM - 10:55 PM	51.0	66.3	50.5
10:55 PM - 11:00 PM	51.0	54.3	50.6
11:00 PM - 11:05 PM	51.2	53.3	50.7
11:05 PM - 11:10 PM	51.2	52.8	50.8
11:10 PM - 11:15 PM	51.1	52.3	50.7
11:15 PM - 11:20 PM	51.8	59.3	50.9
11:20 PM - 11:25 PM	51.1	52.8	50.7
11:25 PM - 11:30 PM	51.1	52.2	50.7
11:30 PM - 11:35 PM	51.0	56.0	50.6
11:35 PM - 11:40 PM	51.0	54.8	50.7
11:40 PM - 11:45 PM	51.0	53.4	50.6
11:45 PM - 11:50 PM	51.0	52.3	50.7
11:50 PM - 11:55 PM	50.9	52.0	50.6
11:55 PM - 12:00 AM	51.0	52.0	50.6
12:00 AM - 12:05 AM	51.0	52.3	50.6
12:05 AM - 12:10 AM	51.0	52.1	50.6
12:10 AM - 12:15 AM	50.9	52.1	50.6
12:15 AM - 12:20 AM	50.9	52.2	50.6
12:20 AM - 12:25 AM	50.9	52.3	50.6
12:25 AM - 12:30 AM	51.0	53.0	50.7
12:30 AM - 12:35 AM	50.8	52.0	50.5

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442462-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-3
Parameter Noise
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671390, 1576135) (จุดดำเนิน) (Shut down)
Measurement Date Oct 19 - 20, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:35 AM - 12:40 AM	51.1	52.2	50.7
12:40 AM - 12:45 AM	51.0	52.4	50.6
12:45 AM - 12:50 AM	50.9	53.0	50.6
12:50 AM - 12:55 AM	51.1	54.2	50.7
12:55 AM - 01:00 AM	51.1	52.4	50.8
01:00 AM - 01:05 AM	50.9	52.1	50.6
01:05 AM - 01:10 AM	50.9	52.9	50.6
01:10 AM - 01:15 AM	51.0	52.7	50.6
01:15 AM - 01:20 AM	51.0	53.1	50.6
01:20 AM - 01:25 AM	51.1	58.0	50.6
01:25 AM - 01:30 AM	51.1	52.5	50.6
01:30 AM - 01:35 AM	51.0	52.1	50.6
01:35 AM - 01:40 AM	51.1	52.6	50.7
01:40 AM - 01:45 AM	51.2	57.3	50.8
01:45 AM - 01:50 AM	51.7	56.9	50.9
01:50 AM - 01:55 AM	51.2	52.6	50.9
01:55 AM - 02:00 AM	51.4	53.1	51.0
02:00 AM - 02:05 AM	51.5	53.2	51.1
02:05 AM - 02:10 AM	51.5	53.4	51.2
02:10 AM - 02:15 AM	51.8	53.6	51.3
02:15 AM - 02:20 AM	52.7	58.3	51.7
02:20 AM - 02:25 AM	52.2	54.3	51.7
02:25 AM - 02:30 AM	53.0	64.0	51.9
02:30 AM - 02:35 AM	52.8	58.7	51.9
02:35 AM - 02:40 AM	52.5	58.2	52.0
02:40 AM - 02:45 AM	53.4	61.0	52.4
02:45 AM - 02:50 AM	52.9	60.2	52.3
02:50 AM - 02:55 AM	53.2	63.0	52.4
02:55 AM - 03:00 AM	53.7	65.4	52.6
03:00 AM - 03:05 AM	53.8	64.9	52.6
03:05 AM - 03:10 AM	55.0	67.2	52.8
03:10 AM - 03:15 AM	57.3	68.5	53.1
03:15 AM - 03:20 AM	56.8	70.0	53.0
03:20 AM - 03:25 AM	57.8	70.2	53.7
03:25 AM - 03:30 AM	56.6	65.7	53.3
03:30 AM - 03:35 AM	58.4	69.6	53.8
03:35 AM - 03:40 AM	57.8	68.4	54.4
03:40 AM - 03:45 AM	58.1	68.8	54.5
03:45 AM - 03:50 AM	60.1	68.7	56.7
03:50 AM - 03:55 AM	61.1	68.8	57.6

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442462-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-3
Parameter Noise
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671390, 1576135) (จุดดำเนิน) (Shut down)
Measurement Date Oct 19 - 20, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:55 AM - 04:00 AM	60.5	69.7	57.4
04:00 AM - 04:05 AM	62.5	70.5	59.3
04:05 AM - 04:10 AM	63.1	70.5	60.3
04:10 AM - 04:15 AM	63.4	68.7	61.0
04:15 AM - 04:20 AM	63.3	69.6	61.3
04:20 AM - 04:25 AM	63.1	69.4	61.0
04:25 AM - 04:30 AM	64.2	69.7	62.3
04:30 AM - 04:35 AM	66.0	73.5	63.7
04:35 AM - 04:40 AM	66.9	73.0	64.6
04:40 AM - 04:45 AM	65.4	75.3	61.9
04:45 AM - 04:50 AM	61.6	68.1	57.8
04:50 AM - 04:55 AM	56.6	68.8	52.9
04:55 AM - 05:00 AM	55.5	68.6	52.1
05:00 AM - 05:05 AM	54.7	66.3	52.2
05:05 AM - 05:10 AM	55.5	64.9	53.2
05:10 AM - 05:15 AM	56.6	66.6	53.5
05:15 AM - 05:20 AM	58.2	69.6	54.2
05:20 AM - 05:25 AM	57.8	69.0	54.3
05:25 AM - 05:30 AM	59.3	69.6	54.4
05:30 AM - 05:35 AM	60.1	71.5	55.1
05:35 AM - 05:40 AM	61.7	74.2	55.4
05:40 AM - 05:45 AM	60.7	77.2	54.3
05:45 AM - 05:50 AM	59.4	69.8	54.3
05:50 AM - 05:55 AM	58.2	71.4	53.4
05:55 AM - 06:00 AM	57.2	69.8	54.2
06:00 AM - 07:00 AM	58.0	69.8	56.1
07:00 AM - 08:00 AM	58.2	81.7	55.9
08:00 AM - 09:00 AM	58.9	81.8	56.1
09:00 AM - 10:00 AM	60.8	81.3	55.1
10:00 AM - 11:00 AM	56.8	69.1	55.6
11:00 AM - 12:00 PM	60.1	86.4	57.0
12:00 PM - 01:00 PM	59.1	67.5	57.4

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการระบายเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442463-1

Sample No. 2598902-4
Parameter Noise
Location จุดวิเคราะห์ที่ 1 (GPS 47P 671390, 1576135) (จุดอ้างอิง) (Shut down)
Measurement Date Oct 20 - 21, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	59.2	78.7	57.1
02:00 PM - 03:00 PM	59.1	74.1	57.6
03:00 PM - 04:00 PM	62.5	79.4	60.4
04:00 PM - 05:00 PM	66.3	73.4	64.8
05:00 PM - 06:00 PM	57.5	70.5	56.8
06:00 PM - 07:00 PM	57.7	67.7	56.9
07:00 PM - 08:00 PM	58.1	70.9	57.0
08:00 PM - 09:00 PM	55.4	62.9	54.9
09:00 PM - 10:00 PM	55.8	64.8	54.4
10:00 PM - 10:05 PM	55.5	67.3	54.1
10:05 PM - 10:10 PM	54.9	57.7	54.4
10:10 PM - 10:15 PM	56.4	59.7	54.6
10:15 PM - 10:20 PM	55.7	64.3	53.3
10:20 PM - 10:25 PM	54.6	59.6	53.9
10:25 PM - 10:30 PM	54.4	61.9	53.8
10:30 PM - 10:35 PM	54.4	64.3	54.0
10:35 PM - 10:40 PM	54.5	57.8	54.1
10:40 PM - 10:45 PM	54.6	59.2	53.9
10:45 PM - 10:50 PM	54.0	55.5	53.6
10:50 PM - 10:55 PM	54.1	56.2	53.7
10:55 PM - 11:00 PM	54.1	61.3	53.6
11:00 PM - 11:05 PM	53.7	57.6	53.1
11:05 PM - 11:10 PM	53.0	55.1	52.5
11:10 PM - 11:15 PM	52.8	55.5	52.3
11:15 PM - 11:20 PM	52.6	55.2	52.2
11:20 PM - 11:25 PM	52.5	54.9	52.1
11:25 PM - 11:30 PM	52.6	54.9	52.2
11:30 PM - 11:35 PM	52.6	55.0	52.0
11:35 PM - 11:40 PM	53.0	59.9	51.9
11:40 PM - 11:45 PM	52.5	60.6	51.9
11:45 PM - 11:50 PM	52.9	63.6	52.0
11:50 PM - 11:55 PM	53.0	64.1	52.3
11:55 PM - 12:00 AM	54.7	63.7	52.7
12:00 AM - 12:05 AM	53.7	63.9	52.1
12:05 AM - 12:10 AM	52.9	61.6	51.9
12:10 AM - 12:15 AM	53.5	69.0	52.0
12:15 AM - 12:20 AM	53.4	68.2	51.8
12:20 AM - 12:25 AM	53.0	65.9	51.9
12:25 AM - 12:30 AM	52.6	63.4	51.8
12:30 AM - 12:35 AM	52.9	65.2	51.9

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442463-1

Sample No. 2598902-4
Parameter Noise
Location จุดวิเคราะห์ที่ 1 (GPS 47P 671390, 1576135) (จุดอ้างอิง) (Shut down)
Measurement Date Oct 20 - 21, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:35 AM - 12:40 AM	53.2	63.6	52.0
12:40 AM - 12:45 AM	53.5	62.4	51.9
12:45 AM - 12:50 AM	56.6	68.1	52.5
12:50 AM - 12:55 AM	53.2	63.7	52.0
12:55 AM - 01:00 AM	53.8	65.5	52.1
01:00 AM - 01:05 AM	52.9	60.6	51.9
01:05 AM - 01:10 AM	53.2	66.0	52.0
01:10 AM - 01:15 AM	52.3	58.8	51.7
01:15 AM - 01:20 AM	53.0	60.4	51.7
01:20 AM - 01:25 AM	52.1	58.5	51.5
01:25 AM - 01:30 AM	52.2	56.9	51.6
01:30 AM - 01:35 AM	52.4	58.9	51.8
01:35 AM - 01:40 AM	52.3	55.6	51.9
01:40 AM - 01:45 AM	52.5	58.6	52.0
01:45 AM - 01:50 AM	53.3	59.9	52.1
01:50 AM - 01:55 AM	52.3	56.6	51.9
01:55 AM - 02:00 AM	52.4	55.8	51.9
02:00 AM - 02:05 AM	52.4	55.6	52.0
02:05 AM - 02:10 AM	52.7	63.1	52.1
02:10 AM - 02:15 AM	52.6	61.7	52.1
02:15 AM - 02:20 AM	53.3	60.5	52.2
02:20 AM - 02:25 AM	53.5	61.6	52.3
02:25 AM - 02:30 AM	52.9	56.8	52.4
02:30 AM - 02:35 AM	53.1	58.9	52.6
02:35 AM - 02:40 AM	53.8	61.4	52.5
02:40 AM - 02:45 AM	53.0	57.7	52.5
02:45 AM - 02:50 AM	52.9	58.6	52.4
02:50 AM - 02:55 AM	52.7	56.8	52.2
02:55 AM - 03:00 AM	52.8	60.2	52.3
03:00 AM - 03:05 AM	53.1	63.8	52.4
03:05 AM - 03:10 AM	53.5	62.9	52.4
03:10 AM - 03:15 AM	53.3	60.1	52.7
03:15 AM - 03:20 AM	53.6	65.7	52.5
03:20 AM - 03:25 AM	53.0	58.8	52.4
03:25 AM - 03:30 AM	53.1	56.9	52.6
03:30 AM - 03:35 AM	54.1	73.2	52.8
03:35 AM - 03:40 AM	54.1	63.7	52.9
03:40 AM - 03:45 AM	55.9	65.2	53.5
03:45 AM - 03:50 AM	57.3	67.2	53.7
03:50 AM - 03:55 AM	57.7	68.7	53.6

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Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442463-1

Sample No. 2598902-4
Parameter Noise
Location จุดวิเคราะห์ที่ 1 (GPS 47P 671390, 1576135) (จุดอ้างอิง) (Shut down)
Measurement Date Oct 20 - 21, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:55 AM - 04:00 AM	58.5	67.8	54.8
04:00 AM - 04:05 AM	61.2	72.4	57.7
04:05 AM - 04:10 AM	61.7	75.7	58.4
04:10 AM - 04:15 AM	63.2	74.6	60.2
04:15 AM - 04:20 AM	61.8	76.5	59.4
04:20 AM - 04:25 AM	61.4	75.6	58.5
04:25 AM - 04:30 AM	63.2	76.7	60.6
04:30 AM - 04:35 AM	65.3	69.9	62.7
04:35 AM - 04:40 AM	68.4	72.5	66.5
04:40 AM - 04:45 AM	66.6	71.8	64.4
04:45 AM - 04:50 AM	63.4	71.1	60.4
04:50 AM - 04:55 AM	59.4	69.4	54.2
04:55 AM - 05:00 AM	57.9	67.3	53.0
05:00 AM - 05:05 AM	57.0	65.9	53.0
05:05 AM - 05:10 AM	57.4	68.0	54.2
05:10 AM - 05:15 AM	58.6	67.9	54.8
05:15 AM - 05:20 AM	58.3	68.0	54.7
05:20 AM - 05:25 AM	59.4	69.3	54.9
05:25 AM - 05:30 AM	60.1	71.4	55.8
05:30 AM - 05:35 AM	61.8	77.4	56.0
05:35 AM - 05:40 AM	60.7	70.8	55.9
05:40 AM - 05:45 AM	60.4	70.7	55.4
05:45 AM - 05:50 AM	60.5	70.5	56.0
05:50 AM - 05:55 AM	58.4	66.0	56.0
05:55 AM - 06:00 AM	59.5	72.0	55.8
06:00 AM - 07:00 AM	58.5	73.3	56.3
07:00 AM - 08:00 AM	58.7	76.6	57.6
08:00 AM - 09:00 AM	57.6	68.3	56.8
09:00 AM - 10:00 AM	57.8	67.5	56.9
10:00 AM - 11:00 AM	56.3	68.8	55.5
11:00 AM - 12:00 PM	57.3	68.2	56.4
12:00 PM - 01:00 PM	57.2	64.5	56.5

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงคงเสียง 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2561

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Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442464-1

Sample No. 2598902-5
Parameter Noise
Location จุดวิเคราะห์ที่ 2 (GPS 47P 671390, 1576135) (จุดอ้างอิง) (Shut down)
Measurement Date Oct 21 - 22, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	57.8	73.5	57.0
02:00 PM - 03:00 PM	58.4	72.3	57.2
03:00 PM - 04:00 PM	60.0	80.3	57.8
04:00 PM - 05:00 PM	61.2	89.8	57.5
05:00 PM - 06:00 PM	57.2	66.1	56.6
06:00 PM - 07:00 PM	57.1	69.8	56.2
07:00 PM - 08:00 PM	57.8	74.3	56.6
08:00 PM - 09:00 PM	53.9	66.6	53.4
09:00 PM - 10:00 PM	53.7	66.2	53.0
10:00 PM - 10:05 PM	53.2	63.7	52.6
10:05 PM - 10:10 PM	53.5	55.5	53.1
10:10 PM - 10:15 PM	55.8	67.4	53.7
10:15 PM - 10:20 PM	52.5	65.0	51.7
10:20 PM - 10:25 PM	52.7	56.8	52.2
10:25 PM - 10:30 PM	53.0	67.1	52.0
10:30 PM - 10:35 PM	52.4	67.7	51.7
10:35 PM - 10:40 PM	52.4	60.5	51.7
10:40 PM - 10:45 PM	51.9	54.2	51.5
10:45 PM - 10:50 PM	52.0	54.8	51.5
10:50 PM - 10:55 PM	51.7	54.5	51.3
10:55 PM - 11:00 PM	52.1	60.1	51.4
11:00 PM - 11:05 PM	51.7	57.7	51.3
11:05 PM - 11:10 PM	51.8	57.2	51.2
11:10 PM - 11:15 PM	51.9	55.1	51.2
11:15 PM - 11:20 PM	51.7	54.9	51.1
11:20 PM - 11:25 PM	51.6	58.8	51.2
11:25 PM - 11:30 PM	51.6	54.3	51.2
11:30 PM - 11:35 PM	51.7	54.8	51.2
11:35 PM - 11:40 PM	52.0	64.2	51.1
11:40 PM - 11:45 PM	52.1	64.3	51.3
11:45 PM - 11:50 PM	52.5	64.6	51.2
11:50 PM - 11:55 PM	52.9	64.3	51.5
11:55 PM - 12:00 AM	52.9	64.5	51.5
12:00 AM - 12:05 AM	52.8	66.8	51.5
12:05 AM - 12:10 AM	52.3	63.2	51.4
12:10 AM - 12:15 AM	52.1	61.6	51.3
12:15 AM - 12:20 AM	52.4	63.7	51.5
12:20 AM - 12:25 AM	52.2	61.3	51.3
12:25 AM - 12:30 AM	52.2	61.3	51.5
12:30 AM - 12:35 AM	52.5	63.9	51.6

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Kanokkorn Anek
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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442464-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-5
Parameter Noise
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671390, 1576135) (จุดล่างลิ่ง) (Shut down)
Measurement Date Oct 21 - 22, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:35 AM - 12:40 AM	53.1	63.7	51.6
12:40 AM - 12:45 AM	52.2	59.7	51.4
12:45 AM - 12:50 AM	52.5	62.4	51.5
12:50 AM - 12:55 AM	52.0	60.8	51.3
12:55 AM - 01:00 AM	52.4	63.4	51.2
01:00 AM - 01:05 AM	52.3	61.9	51.4
01:05 AM - 01:10 AM	52.1	58.3	51.4
01:10 AM - 01:15 AM	51.9	54.6	51.4
01:15 AM - 01:20 AM	51.8	53.8	51.4
01:20 AM - 01:25 AM	51.9	58.2	51.4
01:25 AM - 01:30 AM	51.9	54.5	51.4
01:30 AM - 01:35 AM	51.9	56.8	51.5
01:35 AM - 01:40 AM	52.0	55.1	51.6
01:40 AM - 01:45 AM	52.0	55.0	51.6
01:45 AM - 01:50 AM	52.0	54.8	51.6
01:50 AM - 01:55 AM	52.4	55.6	51.8
01:55 AM - 02:00 AM	52.0	54.7	51.7
02:00 AM - 02:05 AM	52.2	54.8	51.8
02:05 AM - 02:10 AM	52.4	55.1	52.0
02:10 AM - 02:15 AM	52.9	60.9	51.9
02:15 AM - 02:20 AM	52.5	57.6	52.0
02:20 AM - 02:25 AM	53.0	61.8	52.1
02:25 AM - 02:30 AM	53.4	67.0	51.9
02:30 AM - 02:35 AM	52.5	58.3	52.1
02:35 AM - 02:40 AM	52.9	61.4	52.0
02:40 AM - 02:45 AM	53.0	58.4	52.1
02:45 AM - 02:50 AM	52.5	55.9	52.1
02:50 AM - 02:55 AM	52.9	58.1	52.1
02:55 AM - 03:00 AM	52.9	60.1	52.3
03:00 AM - 03:05 AM	53.4	60.4	52.5
03:05 AM - 03:10 AM	53.8	68.5	52.8
03:10 AM - 03:15 AM	53.5	60.1	52.8
03:15 AM - 03:20 AM	55.3	64.7	52.9
03:20 AM - 03:25 AM	55.6	63.7	53.0
03:25 AM - 03:30 AM	56.4	64.3	53.6
03:30 AM - 03:35 AM	57.0	65.2	53.7
03:35 AM - 03:40 AM	58.6	68.0	54.2
03:40 AM - 03:45 AM	58.3	67.1	54.6
03:45 AM - 03:50 AM	59.5	67.3	55.2
03:50 AM - 03:55 AM	60.7	68.8	56.9

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Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442464-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-5
Parameter Noise
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671390, 1576135) (จุดล่างลิ่ง) (Shut down)
Measurement Date Oct 21 - 22, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:55 AM - 04:00 AM	60.9	68.0	57.3
04:00 AM - 04:05 AM	62.7	71.1	59.2
04:05 AM - 04:10 AM	64.0	72.2	60.7
04:10 AM - 04:15 AM	65.1	72.1	62.3
04:15 AM - 04:20 AM	65.0	71.4	62.1
04:20 AM - 04:25 AM	65.8	75.5	63.5
04:25 AM - 04:30 AM	66.8	74.7	64.4
04:30 AM - 04:35 AM	65.1	71.0	61.1
04:35 AM - 04:40 AM	68.7	73.1	66.9
04:40 AM - 04:45 AM	67.5	72.3	65.6
04:45 AM - 04:50 AM	63.2	70.9	59.3
04:50 AM - 04:55 AM	58.7	73.1	53.9
04:55 AM - 05:00 AM	57.4	67.9	53.6
05:00 AM - 05:05 AM	57.0	67.1	53.8
05:05 AM - 05:10 AM	57.8	64.2	55.1
05:10 AM - 05:15 AM	58.0	67.8	55.0
05:15 AM - 05:20 AM	57.2	66.4	54.9
05:20 AM - 05:25 AM	57.5	68.9	54.9
05:25 AM - 05:30 AM	61.9	72.4	55.7
05:30 AM - 05:35 AM	59.0	74.6	53.9
05:35 AM - 05:40 AM	60.9	72.3	54.6
05:40 AM - 05:45 AM	60.8	70.8	56.0
05:45 AM - 05:50 AM	57.8	70.7	54.6
05:50 AM - 05:55 AM	58.2	69.5	55.0
05:55 AM - 06:00 AM	59.2	67.8	55.4
06:00 AM - 07:00 AM	57.9	71.2	56.2
07:00 AM - 08:00 AM	58.5	76.3	57.5
08:00 AM - 09:00 AM	57.4	69.3	56.6
09:00 AM - 10:00 AM	57.6	67.0	56.6
10:00 AM - 11:00 AM	56.3	69.4	55.5
11:00 AM - 12:00 PM	57.4	67.5	56.5
12:00 PM - 01:00 PM	58.8	76.5	57.0

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงของเสียง 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442465-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-6
Parameter Noise
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671390, 1576135) (จุดล่างลิ่ง) (Shut down)
Measurement Date Oct 22 - 23, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	58.4	79.0	57.0
02:00 PM - 03:00 PM	58.0	71.5	57.0
03:00 PM - 04:00 PM	60.1	79.2	58.7
04:00 PM - 05:00 PM	66.8	73.9	65.0
05:00 PM - 06:00 PM	57.2	71.0	56.5
06:00 PM - 07:00 PM	57.0	71.1	56.1
07:00 PM - 08:00 PM	57.4	70.4	56.4
08:00 PM - 09:00 PM	53.9	69.0	53.2
09:00 PM - 10:00 PM	54.3	67.6	53.3
10:00 PM - 10:05 PM	53.5	63.2	52.7
10:05 PM - 10:10 PM	53.0	56.0	52.4
10:10 PM - 10:15 PM	54.2	57.2	53.1
10:15 PM - 10:20 PM	54.3	58.9	52.0
10:20 PM - 10:25 PM	52.6	55.0	52.1
10:25 PM - 10:30 PM	52.7	55.2	52.2
10:30 PM - 10:35 PM	52.5	57.3	51.8
10:35 PM - 10:40 PM	52.8	63.5	52.0
10:40 PM - 10:45 PM	52.4	54.7	51.8
10:45 PM - 10:50 PM	54.1	64.9	51.9
10:50 PM - 10:55 PM	51.7	55.6	51.2
10:55 PM - 11:00 PM	51.9	59.9	51.2
11:00 PM - 11:05 PM	52.5	58.3	51.5
11:05 PM - 11:10 PM	52.1	58.3	51.2
11:10 PM - 11:15 PM	51.4	54.4	50.9
11:15 PM - 11:20 PM	51.5	54.8	50.9
11:20 PM - 11:25 PM	51.4	54.2	50.9
11:25 PM - 11:30 PM	51.4	54.7	50.9
11:30 PM - 11:35 PM	51.4	54.1	50.8
11:35 PM - 11:40 PM	51.5	56.3	50.9
11:40 PM - 11:45 PM	53.0	65.5	51.4
11:45 PM - 11:50 PM	53.4	64.2	51.9
11:50 PM - 11:55 PM	52.6	62.2	51.4
11:55 PM - 12:00 AM	52.4	62.1	51.1
12:00 AM - 12:05 AM	52.4	64.9	50.9
12:05 AM - 12:10 AM	52.6	69.7	51.1
12:10 AM - 12:15 AM	52.6	61.6	51.2
12:15 AM - 12:20 AM	51.6	58.8	51.0
12:20 AM - 12:25 AM	52.0	63.8	50.9
12:25 AM - 12:30 AM	52.0	63.7	51.2
12:30 AM - 12:35 AM	51.8	63.3	50.9

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Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442465-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-6
Parameter Noise
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671390, 1576135) (จุดล่างลิ่ง) (Shut down)
Measurement Date Oct 22 - 23, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:35 AM - 12:40 AM	52.7	61.2	50.7
12:40 AM - 12:45 AM	52.1	61.4	51.1
12:45 AM - 12:50 AM	53.2	63.2	50.9
12:50 AM - 12:55 AM	53.0	61.2	51.0
12:55 AM - 01:00 AM	52.3	62.3	50.9
01:00 AM - 01:05 AM	52.5	65.8	51.2
01:05 AM - 01:10 AM	53.4	63.6	51.1
01:10 AM - 01:15 AM	52.0	63.4	51.1
01:15 AM - 01:20 AM	52.2	62.6	50.8
01:20 AM - 01:25 AM	51.4	59.9	50.8
01:25 AM - 01:30 AM	51.5	60.6	50.9
01:30 AM - 01:35 AM	51.5	55.5	50.9
01:35 AM - 01:40 AM	51.8	59.0	50.9
01:40 AM - 01:45 AM	51.6	53.6	51.0
01:45 AM - 01:50 AM	51.4	54.4	51.0
01:50 AM - 01:55 AM	51.8	55.8	51.2
01:55 AM - 02:00 AM	52.0	55.7	51.1
02:00 AM - 02:05 AM	51.5	54.4	51.0
02:05 AM - 02:10 AM	51.7	61.7	51.1
02:10 AM - 02:15 AM	51.6	55.1	51.2
02:15 AM - 02:20 AM	53.0	62.0	51.4
02:20 AM - 02:25 AM	52.1	59.1	51.6
02:25 AM - 02:30 AM	52.4	60.0	51.4
02:30 AM - 02:35 AM	52.2	57.8	51.6
02:35 AM - 02:40 AM	52.3	54.2	51.8
02:40 AM - 02:45 AM	52.7	57.5	51.9
02:45 AM - 02:50 AM	52.6	55.2	52.1
02:50 AM - 02:55 AM	52.7	56.5	52.2
02:55 AM - 03:00 AM	52.4	58.7	51.9
03:00 AM - 03:05 AM	52.2	54.8	51.8
03:05 AM - 03:10 AM	53.5	63.5	52.1
03:10 AM - 03:15 AM	52.7	59.4	52.1
03:15 AM - 03:20 AM	53.3	63.7	52.1
03:20 AM - 03:25 AM	54.7	64.8	52.2
03:25 AM - 03:30 AM	56.6	63.7	53.3
03:30 AM - 03:35 AM	55.0	63.2	52.7
03:35 AM - 03:40 AM	56.1	63.1	53.4
03:40 AM - 03:45 AM	58.1	66.9	54.7
03:45 AM - 03:50 AM	59.0	67.5	55.6
03:50 AM - 03:55 AM	60.4	68.0	57.2

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442465-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-6
Parameter Noise
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671390, 1576135) (จุดอ้างอิง) (Shut down)
Measurement Date Oct 22 - 23, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:55 AM - 04:00 AM	60.2	67.8	57.9
04:00 AM - 04:05 AM	61.1	69.0	59.2
04:05 AM - 04:10 AM	60.0	67.7	57.2
04:10 AM - 04:15 AM	62.8	69.2	60.1
04:15 AM - 04:20 AM	61.3	68.0	58.6
04:20 AM - 04:25 AM	61.3	66.5	58.9
04:25 AM - 04:30 AM	63.0	69.9	61.0
04:30 AM - 04:35 AM	64.5	69.8	62.7
04:35 AM - 04:40 AM	67.0	73.4	65.1
04:40 AM - 04:45 AM	65.5	71.1	63.1
04:45 AM - 04:50 AM	61.0	68.1	57.0
04:50 AM - 04:55 AM	57.0	68.1	52.9
04:55 AM - 05:00 AM	55.4	66.6	52.3
05:00 AM - 05:05 AM	55.4	71.2	52.2
05:05 AM - 05:10 AM	54.6	70.3	53.3
05:10 AM - 05:15 AM	56.2	64.5	53.7
05:15 AM - 05:20 AM	56.2	68.9	54.2
05:20 AM - 05:25 AM	59.1	71.0	54.7
05:25 AM - 05:30 AM	58.0	70.1	54.4
05:30 AM - 05:35 AM	61.0	71.4	55.2
05:35 AM - 05:40 AM	60.3	72.7	54.6
05:40 AM - 05:45 AM	60.4	70.4	55.2
05:45 AM - 05:50 AM	57.5	65.5	54.8
05:50 AM - 05:55 AM	58.2	68.7	55.0
05:55 AM - 06:00 AM	57.9	69.2	54.9
06:00 AM - 07:00 AM	57.5	73.7	55.6
07:00 AM - 08:00 AM	57.8	65.3	57.0
08:00 AM - 09:00 AM	56.9	62.4	56.2
09:00 AM - 10:00 AM	57.6	70.2	56.5
10:00 AM - 11:00 AM	56.7	69.2	55.7
11:00 AM - 12:00 PM	57.5	72.4	56.5
12:00 PM - 01:00 PM	57.4	70.6	56.5

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการระบาย ระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442466-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-7
Parameter Noise
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671390, 1576135) (จุดอ้างอิง) (Shut down)
Measurement Date Oct 23 - 24, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	57.5	69.5	56.7
02:00 PM - 03:00 PM	57.4	65.0	56.4
03:00 PM - 04:00 PM	61.7	71.6	60.3
04:00 PM - 05:00 PM	64.8	73.9	63.2
05:00 PM - 06:00 PM	55.9	63.6	55.2
06:00 PM - 07:00 PM	56.3	69.1	55.2
07:00 PM - 08:00 PM	56.9	69.8	56.0
08:00 PM - 09:00 PM	53.8	64.4	53.2
09:00 PM - 10:00 PM	53.3	61.3	52.8
10:00 PM - 10:05 PM	52.7	55.7	52.0
10:05 PM - 10:10 PM	52.5	54.0	51.9
10:10 PM - 10:15 PM	54.3	58.6	52.9
10:15 PM - 10:20 PM	54.1	59.4	50.7
10:20 PM - 10:25 PM	51.5	53.9	51.1
10:25 PM - 10:30 PM	51.3	56.1	50.8
10:30 PM - 10:35 PM	51.2	53.4	50.7
10:35 PM - 10:40 PM	50.9	53.5	50.6
10:40 PM - 10:45 PM	52.6	63.0	50.5
10:45 PM - 10:50 PM	50.8	52.0	50.4
10:50 PM - 10:55 PM	50.7	52.1	50.3
10:55 PM - 11:00 PM	50.9	62.6	50.4
11:00 PM - 11:05 PM	51.7	60.7	50.3
11:05 PM - 11:10 PM	51.9	59.8	50.4
11:10 PM - 11:15 PM	51.7	60.3	50.4
11:15 PM - 11:20 PM	51.0	55.0	50.5
11:20 PM - 11:25 PM	50.9	54.8	50.4
11:25 PM - 11:30 PM	50.6	52.9	50.2
11:30 PM - 11:35 PM	50.5	53.2	50.2
11:35 PM - 11:40 PM	50.6	53.5	50.2
11:40 PM - 11:45 PM	50.7	53.6	50.3
11:45 PM - 11:50 PM	50.7	52.8	50.3
11:50 PM - 11:55 PM	50.9	57.8	50.4
11:55 PM - 12:00 AM	50.7	55.5	50.3
12:00 AM - 12:05 AM	50.7	52.3	50.3
12:05 AM - 12:10 AM	50.8	54.2	50.4
12:10 AM - 12:15 AM	50.8	53.2	50.5
12:15 AM - 12:20 AM	50.6	51.8	50.3
12:20 AM - 12:25 AM	50.5	51.8	50.1
12:25 AM - 12:30 AM	50.5	54.0	50.2
12:30 AM - 12:35 AM	50.6	52.5	50.2

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Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442466-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-7
Parameter Noise
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671390, 1576135) (จุดอ้างอิง) (Shut down)
Measurement Date Oct 23 - 24, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:35 AM - 12:40 AM	50.7	53.6	50.3
12:40 AM - 12:45 AM	50.6	55.1	50.2
12:45 AM - 12:50 AM	50.5	54.6	50.1
12:50 AM - 12:55 AM	51.7	56.8	50.4
12:55 AM - 01:00 AM	50.9	53.0	50.4
01:00 AM - 01:05 AM	50.7	52.5	50.3
01:05 AM - 01:10 AM	50.9	56.6	50.3
01:10 AM - 01:15 AM	50.7	53.9	50.3
01:15 AM - 01:20 AM	50.6	52.1	50.3
01:20 AM - 01:25 AM	50.7	52.0	50.3
01:25 AM - 01:30 AM	50.7	52.8	50.3
01:30 AM - 01:35 AM	50.7	57.8	50.3
01:35 AM - 01:40 AM	50.7	52.2	50.3
01:40 AM - 01:45 AM	50.8	52.2	50.4
01:45 AM - 01:50 AM	50.8	52.4	50.4
01:50 AM - 01:55 AM	51.3	56.1	50.6
01:55 AM - 02:00 AM	51.2	65.2	50.5
02:00 AM - 02:05 AM	51.0	58.5	50.6
02:05 AM - 02:10 AM	51.1	53.4	50.7
02:10 AM - 02:15 AM	51.1	55.9	50.7
02:15 AM - 02:20 AM	52.1	59.7	50.9
02:20 AM - 02:25 AM	51.3	56.8	50.9
02:25 AM - 02:30 AM	51.8	57.3	50.9
02:30 AM - 02:35 AM	51.4	52.8	51.0
02:35 AM - 02:40 AM	51.6	54.5	51.1
02:40 AM - 02:45 AM	52.9	59.0	51.4
02:45 AM - 02:50 AM	51.6	54.5	51.2
02:50 AM - 02:55 AM	51.7	61.1	51.2
02:55 AM - 03:00 AM	51.6	55.7	51.1
03:00 AM - 03:05 AM	52.5	57.4	51.4
03:05 AM - 03:10 AM	52.5	57.7	51.6
03:10 AM - 03:15 AM	52.3	54.3	51.8
03:15 AM - 03:20 AM	52.4	55.7	51.8
03:20 AM - 03:25 AM	52.9	63.2	51.8
03:25 AM - 03:30 AM	54.7	65.3	52.1
03:30 AM - 03:35 AM	56.3	67.4	53.1
03:35 AM - 03:40 AM	56.8	67.9	53.3
03:40 AM - 03:45 AM	57.8	72.9	54.2
03:45 AM - 03:50 AM	59.7	68.3	55.9
03:50 AM - 03:55 AM	61.2	68.4	57.7

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Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442466-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-7
Parameter Noise
Location จุดวิ่งด้านทิศใต้ของโครงการ (GPS 47P 671390, 1576135) (จุดอ้างอิง) (Shut down)
Measurement Date Oct 23 - 24, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572551

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:55 AM - 04:00 AM	62.3	68.2	59.4
04:00 AM - 04:05 AM	63.0	70.2	60.3
04:05 AM - 04:10 AM	64.1	74.1	58.9
04:10 AM - 04:15 AM	64.2	70.8	61.8
04:15 AM - 04:20 AM	64.5	73.1	62.2
04:20 AM - 04:25 AM	63.6	69.4	61.5
04:25 AM - 04:30 AM	63.2	70.6	60.6
04:30 AM - 04:35 AM	65.5	71.5	63.0
04:35 AM - 04:40 AM	67.7	73.8	66.0
04:40 AM - 04:45 AM	65.5	70.8	62.2
04:45 AM - 04:50 AM	61.9	77.0	58.2
04:50 AM - 04:55 AM	56.8	66.4	52.9
04:55 AM - 05:00 AM	55.0	66.4	51.8
05:00 AM - 05:05 AM	55.8	61.6	51.9
05:05 AM - 05:10 AM	54.9	62.6	53.3
05:10 AM - 05:15 AM	56.5	68.3	54.1
05:15 AM - 05:20 AM	56.9	69.3	54.3
05:20 AM - 05:25 AM	56.4	66.9	54.3
05:25 AM - 05:30 AM	60.7	70.9	55.3
05:30 AM - 05:35 AM	62.6	75.8	55.6
05:35 AM - 05:40 AM	59.9	71.4	54.8
05:40 AM - 05:45 AM	61.4	72.6	56.1
05:45 AM - 05:50 AM	60.2	71.8	55.3
05:50 AM - 05:55 AM	59.3	71.7	55.6
05:55 AM - 06:00 AM	58.9	70.6	55.3
06:00 AM - 07:00 AM	57.6	76.1	56.0
07:00 AM - 08:00 AM	58.6	73.3	57.6
08:00 AM - 09:00 AM	57.8	73.5	56.8
09:00 AM - 10:00 AM	58.4	81.0	56.6
10:00 AM - 11:00 AM	57.3	74.2	55.8
11:00 AM - 12:00 PM	57.1	67.0	56.2
12:00 PM - 01:00 PM	56.6	72.0	55.3

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการระบาย ระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442467-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-8
Parameter Noise
Location หมุที่ 1 ด้านหน้าบ้านผม (GPS 47P 670700, 1575786) (จุดล้างถัง) (Shut down)
Measurement Date Oct 17 - 18, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	58.4	87.5	43.9
03:00 PM - 04:00 PM	46.1	71.5	40.5
04:00 PM - 05:00 PM	44.5	59.8	40.9
05:00 PM - 06:00 PM	56.5	86.4	41.3
06:00 PM - 07:00 PM	62.3	88.5	56.5
07:00 PM - 08:00 PM	53.0	79.4	47.6
08:00 PM - 09:00 PM	52.1	74.3	48.0
09:00 PM - 10:00 PM	53.9	83.4	47.6
10:00 PM - 10:05 PM	54.1	66.2	48.3
10:05 PM - 10:10 PM	51.0	62.5	48.7
10:10 PM - 10:15 PM	50.0	61.5	48.0
10:15 PM - 10:20 PM	51.4	59.9	49.1
10:20 PM - 10:25 PM	48.8	56.6	47.6
10:25 PM - 10:30 PM	53.7	65.7	49.0
10:30 PM - 10:35 PM	53.2	59.3	48.3
10:35 PM - 10:40 PM	49.0	55.4	47.9
10:40 PM - 10:45 PM	48.8	55.8	47.5
10:45 PM - 10:50 PM	49.6	59.4	47.9
10:50 PM - 10:55 PM	48.6	52.3	47.5
10:55 PM - 11:00 PM	50.7	60.1	47.3
11:00 PM - 11:05 PM	49.2	57.2	46.8
11:05 PM - 11:10 PM	50.9	59.2	47.3
11:10 PM - 11:15 PM	47.7	53.2	46.5
11:15 PM - 11:20 PM	50.0	57.4	47.7
11:20 PM - 11:25 PM	51.4	55.7	49.7
11:25 PM - 11:30 PM	51.0	56.0	49.9
11:30 PM - 11:35 PM	50.8	58.4	49.3
11:35 PM - 11:40 PM	50.2	57.4	47.6
11:40 PM - 11:45 PM	50.8	62.0	48.2
11:45 PM - 11:50 PM	51.4	64.7	47.5
11:50 PM - 11:55 PM	48.3	55.4	47.2
11:55 PM - 12:00 AM	50.8	59.2	47.2
12:00 AM - 12:05 AM	48.3	53.5	47.5
12:05 AM - 12:10 AM	48.3	52.9	47.4
12:10 AM - 12:15 AM	48.2	53.4	47.2
12:15 AM - 12:20 AM	49.8	58.6	47.4
12:20 AM - 12:25 AM	49.0	55.7	47.3
12:25 AM - 12:30 AM	48.2	52.7	47.3
12:30 AM - 12:35 AM	48.2	52.6	47.1
12:35 AM - 12:40 AM	49.3	56.0	47.3

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442467-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-8
Parameter Noise
Location หมุที่ 1 ด้านหน้าบ้านผม (GPS 47P 670700, 1575786) (จุดล้างถัง) (Shut down)
Measurement Date Oct 17 - 18, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	50.2	59.7	47.9
12:45 AM - 12:50 AM	48.3	53.6	47.3
12:50 AM - 12:55 AM	51.5	64.9	46.7
12:55 AM - 01:00 AM	52.3	64.0	46.1
01:00 AM - 01:05 AM	49.7	61.7	46.1
01:05 AM - 01:10 AM	49.0	61.1	46.9
01:10 AM - 01:15 AM	47.9	55.4	46.5
01:15 AM - 01:20 AM	47.9	58.1	45.8
01:20 AM - 01:25 AM	48.1	57.9	46.2
01:25 AM - 01:30 AM	48.5	55.7	46.8
01:30 AM - 01:35 AM	48.6	57.0	46.5
01:35 AM - 01:40 AM	49.8	55.2	46.4
01:40 AM - 01:45 AM	47.4	56.0	46.0
01:45 AM - 01:50 AM	48.3	60.4	45.8
01:50 AM - 01:55 AM	46.2	56.6	44.9
01:55 AM - 02:00 AM	46.8	60.0	44.5
02:00 AM - 02:05 AM	45.7	50.9	44.6
02:05 AM - 02:10 AM	44.9	49.5	43.9
02:10 AM - 02:15 AM	45.8	60.0	44.6
02:15 AM - 02:20 AM	49.6	57.6	44.8
02:20 AM - 02:25 AM	48.1	55.8	45.9
02:25 AM - 02:30 AM	49.7	67.1	46.3
02:30 AM - 02:35 AM	48.1	57.0	45.8
02:35 AM - 02:40 AM	47.7	58.1	45.6
02:40 AM - 02:45 AM	46.5	49.8	45.4
02:45 AM - 02:50 AM	47.8	54.2	46.0
02:50 AM - 02:55 AM	61.1	73.2	50.6
02:55 AM - 03:00 AM	65.9	73.0	58.1
03:00 AM - 03:05 AM	57.8	76.3	55.1
03:05 AM - 03:10 AM	52.2	59.5	49.7
03:10 AM - 03:15 AM	51.9	56.7	49.7
03:15 AM - 03:20 AM	51.9	56.4	50.3
03:20 AM - 03:25 AM	56.4	68.7	52.3
03:25 AM - 03:30 AM	50.8	56.7	49.3
03:30 AM - 03:35 AM	48.2	57.0	46.6
03:35 AM - 03:40 AM	46.8	53.4	45.3
03:40 AM - 03:45 AM	49.2	55.3	45.5
03:45 AM - 03:50 AM	45.6	50.1	44.5
03:50 AM - 03:55 AM	45.9	49.9	45.2
03:55 AM - 04:00 AM	46.0	48.8	45.4

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442467-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-8
Parameter Noise
Location หมุที่ 1 ด้านหน้าบ้านผม (GPS 47P 670700, 1575786) (จุดล้างถัง) (Shut down)
Measurement Date Oct 17 - 18, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	45.9	51.4	44.9
04:05 AM - 04:10 AM	46.6	61.4	44.9
04:10 AM - 04:15 AM	45.0	48.2	44.2
04:15 AM - 04:20 AM	45.4	57.1	44.0
04:20 AM - 04:25 AM	52.2	72.2	43.0
04:25 AM - 04:30 AM	44.3	48.6	43.2
04:30 AM - 04:35 AM	46.2	50.1	45.6
04:35 AM - 04:40 AM	50.0	76.5	45.3
04:40 AM - 04:45 AM	45.2	50.4	42.9
04:45 AM - 04:50 AM	43.7	49.4	42.7
04:50 AM - 04:55 AM	43.7	50.6	42.7
04:55 AM - 05:00 AM	43.1	48.9	42.5
05:00 AM - 05:05 AM	44.3	63.9	42.5
05:05 AM - 05:10 AM	48.3	57.5	42.9
05:10 AM - 05:15 AM	45.8	55.7	43.7
05:15 AM - 05:20 AM	44.0	58.8	43.0
05:20 AM - 05:25 AM	45.3	51.6	43.0
05:25 AM - 05:30 AM	45.2	50.6	43.6
05:30 AM - 05:35 AM	46.1	51.8	43.9
05:35 AM - 05:40 AM	45.5	69.7	43.8
05:40 AM - 05:45 AM	44.9	50.3	44.1
05:45 AM - 05:50 AM	45.6	51.0	44.6
05:50 AM - 05:55 AM	47.8	58.3	45.3
05:55 AM - 06:00 AM	45.5	52.0	44.2
06:00 AM - 07:00 AM	56.0	69.6	50.5
07:00 AM - 08:00 AM	48.8	67.0	46.3
08:00 AM - 09:00 AM	54.4	67.8	49.6
09:00 AM - 10:00 AM	54.1	78.6	51.1
10:00 AM - 11:00 AM	58.8	72.9	55.5
11:00 AM - 12:00 PM	60.5	85.8	53.8
12:00 PM - 01:00 PM	51.6	77.6	47.8
01:00 PM - 02:00 PM	54.2	86.2	45.1

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงจากกรงงาน ระดับเสียงสมมูล 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442468-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-9
Parameter Noise
Location หมุที่ 1 ด้านหน้าบ้านผม (GPS 47P 670700, 1575786) (จุดล้างถัง) (Shut down)
Measurement Date Oct 18 - 19, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	51.0	83.1	43.5
03:00 PM - 04:00 PM	55.0	81.4	47.3
04:00 PM - 05:00 PM	50.5	73.1	44.4
05:00 PM - 06:00 PM	52.6	66.4	47.7
06:00 PM - 07:00 PM	52.1	73.1	44.3
07:00 PM - 08:00 PM	51.1	80.2	43.0
08:00 PM - 09:00 PM	51.4	77.2	44.4
09:00 PM - 10:00 PM	49.9	67.8	46.1
10:00 PM - 10:05 PM	48.3	56.5	45.1
10:05 PM - 10:10 PM	48.8	58.5	46.2
10:10 PM - 10:15 PM	47.9	59.9	45.6
10:15 PM - 10:20 PM	46.5	56.1	44.9
10:20 PM - 10:25 PM	46.4	56.4	43.4
10:25 PM - 10:30 PM	47.6	56.2	44.6
10:30 PM - 10:35 PM	48.3	70.4	45.1
10:35 PM - 10:40 PM	48.0	61.9	45.9
10:40 PM - 10:45 PM	46.9	71.3	44.4
10:45 PM - 10:50 PM	47.3	57.8	43.7
10:50 PM - 10:55 PM	46.8	57.4	43.4
10:55 PM - 11:00 PM	45.8	64.7	43.4
11:00 PM - 11:05 PM	44.7	58.1	41.9
11:05 PM - 11:10 PM	44.3	53.0	41.8
11:10 PM - 11:15 PM	43.5	53.8	41.4
11:15 PM - 11:20 PM	43.1	52.9	40.8
11:20 PM - 11:25 PM	44.7	65.0	41.8
11:25 PM - 11:30 PM	45.5	56.2	42.5
11:30 PM - 11:35 PM	43.2	59.7	41.7
11:35 PM - 11:40 PM	42.9	54.4	40.6
11:40 PM - 11:45 PM	42.3	54.6	38.4
11:45 PM - 11:50 PM	44.2	54.7	39.8
11:50 PM - 11:55 PM	41.5	58.7	39.8
11:55 PM - 12:00 AM	43.4	51.6	41.9
12:00 AM - 12:05 AM	47.9	63.4	42.7
12:05 AM - 12:10 AM	44.4	58.8	41.0
12:10 AM - 12:15 AM	47.7	58.6	41.9
12:15 AM - 12:20 AM	46.2	66.2	41.8
12:20 AM - 12:25 AM	43.8	51.4	41.4
12:25 AM - 12:30 AM	52.1	69.9	42.0
12:30 AM - 12:35 AM	47.6	61.8	44.6
12:35 AM - 12:40 AM	48.1	61.8	41.8

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442468-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-9
Parameter Noise
Location หมุดที่ 1 ตำบลบ้านแลน (GPS 47P 670700, 1575786) (จุดล้างถัง) (Shut down)
Measurement Date Oct 18 - 19, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	47.0	63.1	43.5
12:45 AM - 12:50 AM	48.7	56.0	43.4
12:50 AM - 12:55 AM	44.8	60.5	41.8
12:55 AM - 01:00 AM	47.4	58.8	42.4
01:00 AM - 01:05 AM	44.6	56.1	41.5
01:05 AM - 01:10 AM	41.9	53.2	40.0
01:10 AM - 01:15 AM	44.3	54.5	41.9
01:15 AM - 01:20 AM	45.7	57.2	42.1
01:20 AM - 01:25 AM	51.5	72.6	42.8
01:25 AM - 01:30 AM	43.1	50.2	42.0
01:30 AM - 01:35 AM	44.6	56.6	41.8
01:35 AM - 01:40 AM	46.7	56.2	39.3
01:40 AM - 01:45 AM	44.4	70.4	39.5
01:45 AM - 01:50 AM	41.6	52.2	40.1
01:50 AM - 01:55 AM	41.3	46.4	40.5
01:55 AM - 02:00 AM	45.0	61.8	39.7
02:00 AM - 02:05 AM	43.2	52.3	41.3
02:05 AM - 02:10 AM	41.7	46.1	40.4
02:10 AM - 02:15 AM	41.3	53.1	40.4
02:15 AM - 02:20 AM	42.0	64.6	40.6
02:20 AM - 02:25 AM	43.3	55.4	40.5
02:25 AM - 02:30 AM	47.7	61.2	40.5
02:30 AM - 02:35 AM	42.8	55.0	40.6
02:35 AM - 02:40 AM	42.5	54.2	40.3
02:40 AM - 02:45 AM	43.2	52.4	41.4
02:45 AM - 02:50 AM	44.0	53.7	40.1
02:50 AM - 02:55 AM	43.6	59.7	40.9
02:55 AM - 03:00 AM	44.1	66.7	41.3
03:00 AM - 03:05 AM	44.7	52.9	43.2
03:05 AM - 03:10 AM	46.4	50.8	44.9
03:10 AM - 03:15 AM	51.1	59.1	47.1
03:15 AM - 03:20 AM	63.7	69.9	58.4
03:20 AM - 03:25 AM	52.4	60.0	46.2
03:25 AM - 03:30 AM	44.9	52.5	43.0
03:30 AM - 03:35 AM	44.5	60.3	41.4
03:35 AM - 03:40 AM	52.2	77.5	41.0
03:40 AM - 03:45 AM	67.6	82.1	40.8
03:45 AM - 03:50 AM	45.8	71.0	42.3
03:50 AM - 03:55 AM	47.0	55.5	42.8
03:55 AM - 04:00 AM	55.6	77.3	43.1

The above result are valid only for the analyzed/tested sample(s) as indicated in this report. No part of the report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442468-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-9
Parameter Noise
Location หมุดที่ 1 ตำบลบ้านแลน (GPS 47P 670700, 1575786) (จุดล้างถัง) (Shut down)
Measurement Date Oct 18 - 19, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	52.2	72.1	40.1
04:05 AM - 04:10 AM	43.6	64.2	41.0
04:10 AM - 04:15 AM	42.8	54.1	40.4
04:15 AM - 04:20 AM	43.2	56.9	42.0
04:20 AM - 04:25 AM	45.3	59.4	42.5
04:25 AM - 04:30 AM	44.5	58.8	41.9
04:30 AM - 04:35 AM	43.3	58.3	41.6
04:35 AM - 04:40 AM	44.7	57.1	42.4
04:40 AM - 04:45 AM	44.9	58.6	42.3
04:45 AM - 04:50 AM	45.5	62.2	41.9
04:50 AM - 04:55 AM	45.1	55.9	42.6
04:55 AM - 05:00 AM	44.5	52.4	43.1
05:00 AM - 05:05 AM	46.2	61.5	42.5
05:05 AM - 05:10 AM	43.8	60.4	41.4
05:10 AM - 05:15 AM	48.3	52.3	45.2
05:15 AM - 05:20 AM	45.6	51.2	43.6
05:20 AM - 05:25 AM	53.8	59.8	49.9
05:25 AM - 05:30 AM	45.0	52.2	43.3
05:30 AM - 05:35 AM	49.1	65.3	41.9
05:35 AM - 05:40 AM	51.7	59.5	46.3
05:40 AM - 05:45 AM	46.8	60.5	42.2
05:45 AM - 05:50 AM	43.9	60.1	42.5
05:50 AM - 05:55 AM	44.4	49.4	43.2
05:55 AM - 06:00 AM	44.6	57.7	43.0
06:00 AM - 07:00 AM	47.8	74.6	44.3
07:00 AM - 08:00 AM	49.5	66.1	45.4
08:00 AM - 09:00 AM	58.6	70.9	55.2
09:00 AM - 10:00 AM	52.4	79.7	47.0
10:00 AM - 11:00 AM	58.7	79.9	51.9
11:00 AM - 12:00 PM	55.1	74.1	50.3
12:00 PM - 01:00 PM	55.5	75.0	50.2
01:00 PM - 02:00 PM	53.4	71.6	48.4

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการระบาย ระดับเสียงสม่ำเสมอ 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442469-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-10
Parameter Noise
Location หมุดที่ 1 ตำบลบ้านแลน (GPS 47P 670700, 1575786) (จุดล้างถัง) (Shut down)
Measurement Date Oct 19 - 20, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	47.2	79.5	42.5
03:00 PM - 04:00 PM	50.4	82.3	42.4
04:00 PM - 05:00 PM	52.4	75.6	46.2
05:00 PM - 06:00 PM	47.9	64.9	42.0
06:00 PM - 07:00 PM	49.1	74.3	43.5
07:00 PM - 08:00 PM	51.5	79.1	42.9
08:00 PM - 09:00 PM	49.9	69.2	43.6
09:00 PM - 10:00 PM	50.3	72.2	45.9
10:00 PM - 10:05 PM	48.4	56.6	46.3
10:05 PM - 10:10 PM	48.3	56.4	45.8
10:10 PM - 10:15 PM	56.5	78.1	46.6
10:15 PM - 10:20 PM	54.9	76.3	47.1
10:20 PM - 10:25 PM	48.6	56.6	46.0
10:25 PM - 10:30 PM	47.2	54.0	45.5
10:30 PM - 10:35 PM	48.3	54.5	45.9
10:35 PM - 10:40 PM	48.8	55.3	46.4
10:40 PM - 10:45 PM	47.3	52.8	45.8
10:45 PM - 10:50 PM	49.3	59.2	46.6
10:50 PM - 10:55 PM	50.7	60.5	46.7
10:55 PM - 11:00 PM	56.4	79.3	47.6
11:00 PM - 11:05 PM	49.5	58.7	46.3
11:05 PM - 11:10 PM	47.8	56.0	44.8
11:10 PM - 11:15 PM	48.2	58.4	45.4
11:15 PM - 11:20 PM	48.1	58.7	45.1
11:20 PM - 11:25 PM	49.0	61.0	45.5
11:25 PM - 11:30 PM	47.7	67.9	45.1
11:30 PM - 11:35 PM	47.0	57.3	44.1
11:35 PM - 11:40 PM	50.9	62.6	45.3
11:40 PM - 11:45 PM	47.1	53.6	45.2
11:45 PM - 11:50 PM	47.3	53.7	45.1
11:50 PM - 11:55 PM	51.3	60.0	45.6
11:55 PM - 12:00 AM	47.9	56.4	46.0
12:00 AM - 12:05 AM	45.7	49.5	44.4
12:05 AM - 12:10 AM	46.7	54.7	45.2
12:10 AM - 12:15 AM	47.5	53.5	45.9
12:15 AM - 12:20 AM	48.9	61.8	46.3
12:20 AM - 12:25 AM	48.9	60.2	46.8
12:25 AM - 12:30 AM	47.6	54.0	45.7
12:30 AM - 12:35 AM	48.9	58.5	46.0
12:35 AM - 12:40 AM	49.0	58.2	45.7

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Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442469-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-10
Parameter Noise
Location หมุดที่ 1 ตำบลบ้านแลน (GPS 47P 670700, 1575786) (จุดล้างถัง) (Shut down)
Measurement Date Oct 19 - 20, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	49.6	63.9	46.8
12:45 AM - 12:50 AM	47.6	60.5	44.5
12:50 AM - 12:55 AM	46.7	54.2	44.7
12:55 AM - 01:00 AM	50.0	59.8	45.0
01:00 AM - 01:05 AM	56.0	74.6	44.6
01:05 AM - 01:10 AM	45.3	52.3	43.5
01:10 AM - 01:15 AM	63.2	79.9	45.0
01:15 AM - 01:20 AM	47.4	58.0	43.7
01:20 AM - 01:25 AM	48.1	67.2	43.4
01:25 AM - 01:30 AM	45.8	57.4	43.8
01:30 AM - 01:35 AM	45.0	51.3	42.6
01:35 AM - 01:40 AM	54.5	78.1	43.1
01:40 AM - 01:45 AM	54.4	74.6	42.8
01:45 AM - 01:50 AM	44.8	53.5	42.7
01:50 AM - 01:55 AM	53.8	75.8	43.2
01:55 AM - 02:00 AM	45.9	59.1	43.2
02:00 AM - 02:05 AM	44.1	53.7	42.8
02:05 AM - 02:10 AM	43.5	56.5	42.4
02:10 AM - 02:15 AM	57.7	78.7	42.2
02:15 AM - 02:20 AM	47.1	71.3	42.4
02:20 AM - 02:25 AM	46.0	56.0	43.9
02:25 AM - 02:30 AM	44.4	54.2	43.1
02:30 AM - 02:35 AM	53.8	78.8	42.5
02:35 AM - 02:40 AM	43.9	50.4	43.1
02:40 AM - 02:45 AM	45.9	56.2	43.5
02:45 AM - 02:50 AM	44.3	48.9	43.1
02:50 AM - 02:55 AM	45.3	50.5	44.3
02:55 AM - 03:00 AM	44.8	46.7	44.0
03:00 AM - 03:05 AM	44.4	56.1	43.3
03:05 AM - 03:10 AM	44.6	64.3	42.6
03:10 AM - 03:15 AM	46.7	57.8	43.6
03:15 AM - 03:20 AM	43.9	56.2	42.5
03:20 AM - 03:25 AM	45.6	57.2	42.4
03:25 AM - 03:30 AM	44.8	53.5	42.5
03:30 AM - 03:35 AM	42.6	52.7	41.8
03:35 AM - 03:40 AM	42.7	49.4	41.6
03:40 AM - 03:45 AM	42.5	52.5	41.0
03:45 AM - 03:50 AM	41.9	45.6	40.9
03:50 AM - 03:55 AM	42.4	51.3	41.2
03:55 AM - 04:00 AM	48.4	64.8	41.2

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Kanokkorn Anek
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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442469-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-10
Parameter Noise
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670700, 1575786) (จุดล่างอิง) (Shut down)
Measurement Date Oct 19 - 20, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	43.3	52.5	42.1
04:05 AM - 04:10 AM	44.3	48.2	43.4
04:10 AM - 04:15 AM	44.7	49.3	44.0
04:15 AM - 04:20 AM	45.4	50.6	44.0
04:20 AM - 04:25 AM	45.4	61.8	43.8
04:25 AM - 04:30 AM	45.3	52.3	44.3
04:30 AM - 04:35 AM	44.3	53.2	43.2
04:35 AM - 04:40 AM	54.9	79.7	43.8
04:40 AM - 04:45 AM	52.8	78.4	44.1
04:45 AM - 04:50 AM	44.6	48.5	43.6
04:50 AM - 04:55 AM	43.9	55.1	42.7
04:55 AM - 05:00 AM	44.9	47.4	44.3
05:00 AM - 05:05 AM	45.4	49.3	44.7
05:05 AM - 05:10 AM	44.2	47.6	43.2
05:10 AM - 05:15 AM	45.5	54.6	43.3
05:15 AM - 05:20 AM	58.2	56.8	45.1
05:20 AM - 05:25 AM	47.6	56.4	45.8
05:25 AM - 05:30 AM	45.5	49.4	44.9
05:30 AM - 05:35 AM	44.9	47.6	44.3
05:35 AM - 05:40 AM	45.7	56.1	44.2
05:40 AM - 05:45 AM	45.1	52.9	44.2
05:45 AM - 05:50 AM	47.2	57.3	44.2
05:50 AM - 05:55 AM	45.0	50.3	43.5
05:55 AM - 06:00 AM	48.1	61.3	44.8
06:00 AM - 07:00 AM	47.6	66.9	45.3
07:00 AM - 08:00 AM	46.4	62.5	43.8
08:00 AM - 09:00 AM	54.9	69.1	51.1
09:00 AM - 10:00 AM	51.3	72.2	47.4
10:00 AM - 11:00 AM	50.7	69.7	48.2
11:00 AM - 12:00 PM	62.0	82.6	49.3
12:00 PM - 01:00 PM	52.7	81.4	45.2
01:00 PM - 02:00 PM	49.2	79.1	42.9

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการระบาย ระดับเสียงฉบับ 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442470-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-11
Parameter Noise
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670700, 1575786) (จุดล่างอิง) (Shut down)
Measurement Date Oct 20 - 21, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	51.1	79.0	42.4
03:00 PM - 04:00 PM	48.7	71.1	42.5
04:00 PM - 05:00 PM	49.3	76.0	43.0
05:00 PM - 06:00 PM	51.8	76.6	43.3
06:00 PM - 07:00 PM	58.5	74.4	51.7
07:00 PM - 08:00 PM	53.0	84.4	48.6
08:00 PM - 09:00 PM	53.3	87.3	48.4
09:00 PM - 10:00 PM	52.3	76.8	47.8
10:00 PM - 10:05 PM	49.4	60.3	47.5
10:05 PM - 10:10 PM	49.6	57.1	47.4
10:10 PM - 10:15 PM	51.1	66.9	47.8
10:15 PM - 10:20 PM	51.8	62.1	49.1
10:20 PM - 10:25 PM	51.1	66.8	48.2
10:25 PM - 10:30 PM	50.5	58.7	48.4
10:30 PM - 10:35 PM	50.9	60.1	49.2
10:35 PM - 10:40 PM	50.5	57.0	49.0
10:40 PM - 10:45 PM	49.5	56.1	48.0
10:45 PM - 10:50 PM	50.4	55.8	48.9
10:50 PM - 10:55 PM	51.5	62.7	48.6
10:55 PM - 11:00 PM	50.4	58.2	48.4
11:00 PM - 11:05 PM	48.9	55.2	47.4
11:05 PM - 11:10 PM	47.4	53.7	45.9
11:10 PM - 11:15 PM	52.3	65.6	45.9
11:15 PM - 11:20 PM	48.3	55.7	45.8
11:20 PM - 11:25 PM	49.2	56.3	47.3
11:25 PM - 11:30 PM	48.8	57.5	47.2
11:30 PM - 11:35 PM	49.9	63.6	45.5
11:35 PM - 11:40 PM	49.2	65.7	46.0
11:40 PM - 11:45 PM	53.0	69.5	46.4
11:45 PM - 11:50 PM	48.3	62.4	45.7
11:50 PM - 11:55 PM	48.4	60.9	45.5
11:55 PM - 12:00 AM	50.4	60.9	46.4
12:00 AM - 12:05 AM	50.2	57.9	46.4
12:05 AM - 12:10 AM	50.9	66.7	44.5
12:10 AM - 12:15 AM	45.7	51.7	43.7
12:15 AM - 12:20 AM	48.7	57.9	43.7
12:20 AM - 12:25 AM	47.5	55.3	45.4
12:25 AM - 12:30 AM	46.1	51.4	44.5
12:30 AM - 12:35 AM	48.1	59.9	44.7
12:35 AM - 12:40 AM	46.0	50.5	44.9

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Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442470-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-11
Parameter Noise
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670700, 1575786) (จุดล่างอิง) (Shut down)
Measurement Date Oct 20 - 21, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	47.1	58.6	44.5
12:45 AM - 12:50 AM	45.7	59.2	44.2
12:50 AM - 12:55 AM	45.5	54.0	43.4
12:55 AM - 01:00 AM	48.3	63.8	43.2
01:00 AM - 01:05 AM	46.3	55.6	44.4
01:05 AM - 01:10 AM	44.6	51.6	43.6
01:10 AM - 01:15 AM	44.9	52.5	43.8
01:15 AM - 01:20 AM	46.8	58.3	43.9
01:20 AM - 01:25 AM	46.1	55.6	43.9
01:25 AM - 01:30 AM	45.0	54.9	43.8
01:30 AM - 01:35 AM	44.7	51.1	43.7
01:35 AM - 01:40 AM	47.1	58.2	43.4
01:40 AM - 01:45 AM	44.1	54.2	43.0
01:45 AM - 01:50 AM	43.3	50.3	42.5
01:50 AM - 01:55 AM	50.3	68.3	42.9
01:55 AM - 02:00 AM	43.0	48.6	41.9
02:00 AM - 02:05 AM	42.4	49.6	41.2
02:05 AM - 02:10 AM	42.1	45.7	41.3
02:10 AM - 02:15 AM	42.7	50.4	41.4
02:15 AM - 02:20 AM	42.3	53.3	41.2
02:20 AM - 02:25 AM	43.9	55.6	41.0
02:25 AM - 02:30 AM	42.1	48.5	40.0
02:30 AM - 02:35 AM	43.4	53.7	41.0
02:35 AM - 02:40 AM	52.3	74.8	40.9
02:40 AM - 02:45 AM	52.3	74.8	40.2
02:45 AM - 02:50 AM	50.0	76.0	40.3
02:50 AM - 02:55 AM	41.3	45.8	40.4
02:55 AM - 03:00 AM	46.7	68.1	40.7
03:00 AM - 03:05 AM	42.4	50.8	41.0
03:05 AM - 03:10 AM	60.2	85.0	41.5
03:10 AM - 03:15 AM	43.0	49.4	41.8
03:15 AM - 03:20 AM	42.8	51.3	41.3
03:20 AM - 03:25 AM	45.8	54.0	42.5
03:25 AM - 03:30 AM	43.3	52.4	42.2
03:30 AM - 03:35 AM	43.4	66.0	41.5
03:35 AM - 03:40 AM	42.1	50.7	40.3
03:40 AM - 03:45 AM	41.6	53.9	40.3
03:45 AM - 03:50 AM	43.0	58.8	40.8
03:50 AM - 03:55 AM	46.1	62.8	41.9
03:55 AM - 04:00 AM	49.2	63.4	42.3

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442470-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-11
Parameter Noise
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670700, 1575786) (จุดล่างอิง) (Shut down)
Measurement Date Oct 20 - 21, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	46.9	61.9	41.4
04:05 AM - 04:10 AM	44.0	54.6	42.0
04:10 AM - 04:15 AM	45.3	57.2	41.7
04:15 AM - 04:20 AM	49.9	64.8	42.0
04:20 AM - 04:25 AM	50.2	59.6	42.5
04:25 AM - 04:30 AM	56.2	65.2	42.6
04:30 AM - 04:35 AM	42.5	59.2	40.7
04:35 AM - 04:40 AM	52.7	72.7	41.1
04:40 AM - 04:45 AM	59.2	83.0	42.8
04:45 AM - 04:50 AM	47.6	58.0	44.8
04:50 AM - 04:55 AM	47.8	60.4	45.4
04:55 AM - 05:00 AM	46.9	56.2	45.8
05:00 AM - 05:05 AM	46.8	51.6	44.9
05:05 AM - 05:10 AM	46.4	48.7	44.4
05:10 AM - 05:15 AM	45.7	57.6	43.4
05:15 AM - 05:20 AM	45.8	59.5	44.0
05:20 AM - 05:25 AM	45.5	61.0	43.5
05:25 AM - 05:30 AM	44.6	48.6	43.2
05:30 AM - 05:35 AM	42.7	48.8	40.8
05:35 AM - 05:40 AM	41.3	46.3	39.3
05:40 AM - 05:45 AM	39.4	46.2	38.0
05:45 AM - 05:50 AM	46.5	49.8	37.4
05:50 AM - 05:55 AM	45.7	52.7	44.5
05:55 AM - 06:00 AM	46.2	64.8	44.6
06:00 AM - 07:00 AM	50.8	81.0	43.9
07:00 AM - 08:00 AM	44.3	60.6	41.9
08:00 AM - 09:00 AM	49.3	74.1	45.3
09:00 AM - 10:00 AM	50.5	72.5	46.9
10:00 AM - 11:00 AM	52.4	83.7	48.2
11:00 AM - 12:00 PM	52.4	79.1	47.3
12:00 PM - 01:00 PM	49.7	77.2	43.3
01:00 PM - 02:00 PM	50.2	76.3	42.7

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการระบาย ระดับเสียงฉบับ 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442471-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-12
Parameter Noise
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670700, 1575786) (จุดดำอิง) (Shut down)
Measurement Date Oct 21 - 22, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	49.7	83.2	44.9
03:00 PM - 04:00 PM	55.7	84.1	44.7
04:00 PM - 05:00 PM	51.2	69.9	44.6
05:00 PM - 06:00 PM	49.3	74.8	45.8
06:00 PM - 07:00 PM	57.1	77.3	47.2
07:00 PM - 08:00 PM	57.5	85.1	47.4
08:00 PM - 09:00 PM	53.2	80.6	48.9
09:00 PM - 10:00 PM	53.0	77.6	48.1
10:00 PM - 10:05 PM	50.9	58.6	48.6
10:05 PM - 10:10 PM	50.9	60.5	48.4
10:10 PM - 10:15 PM	51.4	60.4	48.7
10:15 PM - 10:20 PM	51.2	57.6	49.2
10:20 PM - 10:25 PM	50.6	58.8	47.5
10:25 PM - 10:30 PM	50.0	58.0	48.8
10:30 PM - 10:35 PM	50.6	54.8	49.2
10:35 PM - 10:40 PM	49.3	55.0	48.3
10:40 PM - 10:45 PM	50.7	57.1	48.9
10:45 PM - 10:50 PM	48.5	55.1	47.0
10:50 PM - 10:55 PM	49.5	58.2	47.3
10:55 PM - 11:00 PM	48.6	57.2	46.7
11:00 PM - 11:05 PM	48.2	52.2	46.9
11:05 PM - 11:10 PM	48.5	52.9	47.0
11:10 PM - 11:15 PM	55.7	71.4	47.5
11:15 PM - 11:20 PM	49.2	59.8	47.8
11:20 PM - 11:25 PM	50.2	56.6	48.8
11:25 PM - 11:30 PM	51.6	59.6	49.5
11:30 PM - 11:35 PM	49.6	60.7	47.1
11:35 PM - 11:40 PM	49.9	57.5	47.0
11:40 PM - 11:45 PM	52.2	64.4	47.4
11:45 PM - 11:50 PM	48.9	54.8	47.4
11:50 PM - 11:55 PM	56.2	78.7	48.0
11:55 PM - 12:00 AM	49.7	67.4	46.8
12:00 AM - 12:05 AM	51.6	59.3	47.6
12:05 AM - 12:10 AM	49.0	56.7	47.6
12:10 AM - 12:15 AM	50.6	68.1	47.8
12:15 AM - 12:20 AM	50.6	59.3	47.9
12:20 AM - 12:25 AM	53.1	62.3	49.6
12:25 AM - 12:30 AM	50.6	60.6	48.2
12:30 AM - 12:35 AM	49.3	59.2	47.1
12:35 AM - 12:40 AM	49.7	59.9	47.2

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442471-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-12
Parameter Noise
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670700, 1575786) (จุดดำอิง) (Shut down)
Measurement Date Oct 21 - 22, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	51.9	62.4	47.1
12:45 AM - 12:50 AM	53.6	77.6	47.2
12:50 AM - 12:55 AM	51.3	63.4	47.6
12:55 AM - 01:00 AM	49.2	59.0	47.8
01:00 AM - 01:05 AM	49.1	59.3	46.6
01:05 AM - 01:10 AM	48.8	59.6	45.7
01:10 AM - 01:15 AM	50.1	62.0	46.7
01:15 AM - 01:20 AM	50.3	60.6	47.2
01:20 AM - 01:25 AM	48.6	58.3	46.8
01:25 AM - 01:30 AM	48.8	54.0	47.3
01:30 AM - 01:35 AM	50.2	59.4	48.1
01:35 AM - 01:40 AM	49.7	58.1	47.5
01:40 AM - 01:45 AM	48.5	51.3	46.4
01:45 AM - 01:50 AM	47.7	51.5	45.7
01:50 AM - 01:55 AM	54.1	68.1	46.2
01:55 AM - 02:00 AM	62.3	79.4	47.2
02:00 AM - 02:05 AM	52.9	76.9	46.2
02:05 AM - 02:10 AM	49.2	63.0	46.4
02:10 AM - 02:15 AM	50.5	57.6	46.7
02:15 AM - 02:20 AM	46.7	50.8	45.5
02:20 AM - 02:25 AM	47.2	52.7	45.3
02:25 AM - 02:30 AM	47.9	54.4	45.9
02:30 AM - 02:35 AM	49.7	56.9	47.6
02:35 AM - 02:40 AM	50.2	60.9	47.4
02:40 AM - 02:45 AM	48.6	57.3	47.1
02:45 AM - 02:50 AM	50.7	67.0	47.9
02:50 AM - 02:55 AM	50.6	73.8	48.3
02:55 AM - 03:00 AM	49.6	61.1	48.4
03:00 AM - 03:05 AM	48.9	53.6	47.2
03:05 AM - 03:10 AM	51.7	60.1	47.1
03:10 AM - 03:15 AM	51.4	68.7	49.2
03:15 AM - 03:20 AM	47.4	52.5	45.6
03:20 AM - 03:25 AM	46.5	55.5	44.8
03:25 AM - 03:30 AM	50.0	69.2	44.9
03:30 AM - 03:35 AM	45.5	49.1	44.6
03:35 AM - 03:40 AM	45.4	54.7	44.5
03:40 AM - 03:45 AM	45.1	61.2	43.7
03:45 AM - 03:50 AM	44.8	47.5	43.8
03:50 AM - 03:55 AM	45.2	48.8	44.4
03:55 AM - 04:00 AM	47.7	54.8	43.8

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Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442471-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-12
Parameter Noise
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670700, 1575786) (จุดดำอิง) (Shut down)
Measurement Date Oct 21 - 22, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	45.3	57.2	44.3
04:05 AM - 04:10 AM	46.8	58.5	44.6
04:10 AM - 04:15 AM	52.3	75.9	44.1
04:15 AM - 04:20 AM	52.1	76.5	44.4
04:20 AM - 04:25 AM	46.4	57.1	45.1
04:25 AM - 04:30 AM	47.2	53.8	45.5
04:30 AM - 04:35 AM	59.6	79.1	45.5
04:35 AM - 04:40 AM	51.0	75.3	46.8
04:40 AM - 04:45 AM	52.0	73.2	45.4
04:45 AM - 04:50 AM	48.4	65.2	46.6
04:50 AM - 04:55 AM	48.5	59.2	44.7
04:55 AM - 05:00 AM	45.4	49.4	44.5
05:00 AM - 05:05 AM	56.1	77.3	44.8
05:05 AM - 05:10 AM	45.7	49.2	44.8
05:10 AM - 05:15 AM	45.7	49.6	44.8
05:15 AM - 05:20 AM	46.3	49.7	45.0
05:20 AM - 05:25 AM	45.8	50.8	45.0
05:25 AM - 05:30 AM	45.4	48.2	44.6
05:30 AM - 05:35 AM	47.4	62.7	44.6
05:35 AM - 05:40 AM	45.8	57.5	44.9
05:40 AM - 05:45 AM	45.4	48.4	44.7
05:45 AM - 05:50 AM	50.6	71.5	44.3
05:50 AM - 05:55 AM	46.4	65.3	44.1
05:55 AM - 06:00 AM	46.4	57.8	43.9
06:00 AM - 07:00 AM	46.2	66.2	44.1
07:00 AM - 08:00 AM	46.2	63.5	43.9
08:00 AM - 09:00 AM	48.1	70.6	44.9
09:00 AM - 10:00 AM	53.5	79.7	46.6
10:00 AM - 11:00 AM	54.5	79.8	48.2
11:00 AM - 12:00 PM	59.8	78.9	47.7
12:00 PM - 01:00 PM	50.0	68.7	46.3
01:00 PM - 02:00 PM	48.7	65.3	45.2

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงจากกรงกวน ระดับเสียงคงเดิม ฉ.ศ ๒๕ และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. ๒๕๖

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Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442472-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-13
Parameter Noise
Location หมู่ที่ 1 ตำบลบ้านแลน (GPS 47P 670700, 1575786) (จุดดำอิง) (Shut down)
Measurement Date Oct 22 - 23, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	49.9	77.8	45.7
03:00 PM - 04:00 PM	57.4	84.6	45.6
04:00 PM - 05:00 PM	50.4	71.5	46.2
05:00 PM - 06:00 PM	49.0	67.5	45.0
06:00 PM - 07:00 PM	54.2	78.1	48.9
07:00 PM - 08:00 PM	56.1	79.7	46.8
08:00 PM - 09:00 PM	57.5	79.0	48.4
09:00 PM - 10:00 PM	52.7	75.3	48.9
10:00 PM - 10:05 PM	50.2	61.1	48.3
10:05 PM - 10:10 PM	48.9	54.8	47.4
10:10 PM - 10:15 PM	50.9	60.5	48.2
10:15 PM - 10:20 PM	59.0	77.7	47.9
10:20 PM - 10:25 PM	49.7	56.0	47.8
10:25 PM - 10:30 PM	55.5	76.7	48.1
10:30 PM - 10:35 PM	50.2	57.9	49.1
10:35 PM - 10:40 PM	49.8	53.6	48.7
10:40 PM - 10:45 PM	51.9	61.9	49.4
10:45 PM - 10:50 PM	59.7	84.5	49.3
10:50 PM - 10:55 PM	51.0	59.0	49.8
10:55 PM - 11:00 PM	50.8	58.4	49.1
11:00 PM - 11:05 PM	48.7	52.6	47.5
11:05 PM - 11:10 PM	49.4	57.9	48.0
11:10 PM - 11:15 PM	49.6	57.7	48.0
11:15 PM - 11:20 PM	53.6	65.9	47.5
11:20 PM - 11:25 PM	49.4	55.8	48.0
11:25 PM - 11:30 PM	52.1	62.0	49.4
11:30 PM - 11:35 PM	52.7	63.0	49.4
11:35 PM - 11:40 PM	51.6	66.3	48.2
11:40 PM - 11:45 PM	50.2	57.4	47.5
11:45 PM - 11:50 PM	53.2	63.8	48.2
11:50 PM - 11:55 PM	52.4	72.2	46.5
11:55 PM - 12:00 AM	47.6	52.3	46.2
12:00 AM - 12:05 AM	47.8	54.1	46.0
12:05 AM - 12:10 AM	47.4	51.4	46.3
12:10 AM - 12:15 AM	51.8	60.5	47.2
12:15 AM - 12:20 AM	50.4	63.4	46.4
12:20 AM - 12:25 AM	49.9	59.4	47.1
12:25 AM - 12:30 AM	49.1	56.0	47.3
12:30 AM - 12:35 AM	49.3	55.8	47.0
12:35 AM - 12:40 AM	51.2	61.2	47.3

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Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442472-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-13
Parameter Noise
Location หมุดที่ 1 ตำบลบ้านแลน (GPS 47P 670700, 1575786) (จุดล้างอิง) (Shut down)
Measurement Date Oct 22 – 23, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	48.7	52.6	47.5
12:45 AM - 12:50 AM	47.6	52.0	46.3
12:50 AM - 12:55 AM	49.6	63.5	46.0
12:55 AM - 01:00 AM	48.8	56.2	45.9
01:00 AM - 01:05 AM	50.2	70.9	45.8
01:05 AM - 01:10 AM	48.5	67.8	45.6
01:10 AM - 01:15 AM	51.7	65.0	46.8
01:15 AM - 01:20 AM	46.2	49.3	45.2
01:20 AM - 01:25 AM	48.5	58.5	46.0
01:25 AM - 01:30 AM	47.4	60.5	45.8
01:30 AM - 01:35 AM	47.4	56.3	45.6
01:35 AM - 01:40 AM	46.6	60.9	45.3
01:40 AM - 01:45 AM	47.2	60.1	45.3
01:45 AM - 01:50 AM	48.8	66.2	45.4
01:50 AM - 01:55 AM	48.6	73.6	45.4
01:55 AM - 02:00 AM	45.9	56.9	45.1
02:00 AM - 02:05 AM	45.8	53.3	44.5
02:05 AM - 02:10 AM	48.9	62.7	45.5
02:10 AM - 02:15 AM	45.8	51.9	44.7
02:15 AM - 02:20 AM	47.1	54.4	45.4
02:20 AM - 02:25 AM	47.1	57.5	45.2
02:25 AM - 02:30 AM	46.1	51.1	45.2
02:30 AM - 02:35 AM	52.1	74.0	45.2
02:35 AM - 02:40 AM	47.4	59.8	45.7
02:40 AM - 02:45 AM	50.6	72.5	45.5
02:45 AM - 02:50 AM	46.2	52.2	45.3
02:50 AM - 02:55 AM	46.9	54.5	45.9
02:55 AM - 03:00 AM	47.5	54.5	46.0
03:00 AM - 03:05 AM	46.7	55.9	45.8
03:05 AM - 03:10 AM	46.7	54.8	45.9
03:10 AM - 03:15 AM	46.6	50.4	45.7
03:15 AM - 03:20 AM	46.4	50.3	45.6
03:20 AM - 03:25 AM	46.9	53.9	45.5
03:25 AM - 03:30 AM	53.8	67.2	45.5
03:30 AM - 03:35 AM	47.4	53.9	45.2
03:35 AM - 03:40 AM	50.0	56.4	45.3
03:40 AM - 03:45 AM	53.8	78.5	46.1
03:45 AM - 03:50 AM	46.4	54.8	45.3
03:50 AM - 03:55 AM	46.4	50.8	45.6
03:55 AM - 04:00 AM	46.7	50.8	45.5

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442472-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-13
Parameter Noise
Location หมุดที่ 1 ตำบลบ้านแลน (GPS 47P 670700, 1575786) (จุดล้างอิง) (Shut down)
Measurement Date Oct 22 – 23, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	47.6	58.9	45.0
04:05 AM - 04:10 AM	45.9	52.6	44.9
04:10 AM - 04:15 AM	45.7	49.3	44.5
04:15 AM - 04:20 AM	45.7	52.3	44.7
04:20 AM - 04:25 AM	46.0	53.8	44.9
04:25 AM - 04:30 AM	47.0	51.7	45.6
04:30 AM - 04:35 AM	46.1	54.4	45.1
04:35 AM - 04:40 AM	46.2	51.7	45.2
04:40 AM - 04:45 AM	47.4	71.3	45.7
04:45 AM - 04:50 AM	56.4	77.7	45.7
04:50 AM - 04:55 AM	46.8	49.4	46.1
04:55 AM - 05:00 AM	46.4	56.9	45.3
05:00 AM - 05:05 AM	45.5	48.4	44.8
05:05 AM - 05:10 AM	45.3	53.6	44.6
05:10 AM - 05:15 AM	44.4	58.2	43.5
05:15 AM - 05:20 AM	44.7	51.6	43.9
05:20 AM - 05:25 AM	59.6	78.7	44.2
05:25 AM - 05:30 AM	58.8	78.9	44.5
05:30 AM - 05:35 AM	45.4	49.0	44.6
05:35 AM - 05:40 AM	45.9	50.4	45.2
05:40 AM - 05:45 AM	46.1	55.0	45.3
05:45 AM - 05:50 AM	45.4	55.8	44.2
05:50 AM - 05:55 AM	48.4	58.8	44.4
05:55 AM - 06:00 AM	45.2	49.3	44.4
06:00 AM - 07:00 AM	45.9	59.6	44.1
07:00 AM - 08:00 AM	48.1	66.9	44.5
08:00 AM - 09:00 AM	48.7	66.1	45.5
09:00 AM - 10:00 AM	51.8	80.6	47.2
10:00 AM - 11:00 AM	52.8	81.9	47.3
11:00 AM - 12:00 PM	59.1	79.8	47.2
12:00 PM - 01:00 PM	52.1	75.6	47.0
01:00 PM - 02:00 PM	63.5	96.6	46.4

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงจากกระบวน ระดับเสียงสม่ำเสมอใน 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442473-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-14
Parameter Noise
Location หมุดที่ 1 ตำบลบ้านแลน (GPS 47P 670700, 1575786) (จุดล้างอิง) (Shut down)
Measurement Date Oct 23 – 24, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	57.2	85.1	48.6
03:00 PM - 04:00 PM	56.5	81.7	47.7
04:00 PM - 05:00 PM	51.5	77.9	46.4
05:00 PM - 06:00 PM	56.3	79.7	47.1
06:00 PM - 07:00 PM	51.8	76.0	47.8
07:00 PM - 08:00 PM	55.6	79.6	50.7
08:00 PM - 09:00 PM	53.8	81.3	48.8
09:00 PM - 10:00 PM	55.0	83.9	47.5
10:00 PM - 10:05 PM	50.9	60.2	46.9
10:05 PM - 10:10 PM	48.5	65.3	46.1
10:10 PM - 10:15 PM	50.6	61.2	46.4
10:15 PM - 10:20 PM	51.5	63.1	47.2
10:20 PM - 10:25 PM	48.7	54.7	46.9
10:25 PM - 10:30 PM	49.5	54.9	47.9
10:30 PM - 10:35 PM	49.8	53.6	48.2
10:35 PM - 10:40 PM	50.3	67.4	47.1
10:40 PM - 10:45 PM	48.3	55.4	46.9
10:45 PM - 10:50 PM	49.1	57.3	47.7
10:50 PM - 10:55 PM	50.1	55.2	48.9
10:55 PM - 11:00 PM	49.6	54.9	48.3
11:00 PM - 11:05 PM	51.1	57.5	49.5
11:05 PM - 11:10 PM	50.2	59.5	48.6
11:10 PM - 11:15 PM	50.8	63.5	47.9
11:15 PM - 11:20 PM	51.5	62.0	48.1
11:20 PM - 11:25 PM	50.7	61.4	48.3
11:25 PM - 11:30 PM	52.6	64.8	48.9
11:30 PM - 11:35 PM	52.1	66.4	48.2
11:35 PM - 11:40 PM	51.5	63.6	48.4
11:40 PM - 11:45 PM	52.1	62.1	48.8
11:45 PM - 11:50 PM	49.7	60.3	48.0
11:50 PM - 11:55 PM	48.7	58.1	46.9
11:55 PM - 12:00 AM	48.7	53.4	47.2
12:00 AM - 12:05 AM	48.0	52.2	46.7
12:05 AM - 12:10 AM	49.7	60.2	46.0
12:10 AM - 12:15 AM	52.3	58.9	48.6
12:15 AM - 12:20 AM	47.9	53.3	46.5
12:20 AM - 12:25 AM	48.3	52.5	47.2
12:25 AM - 12:30 AM	50.5	59.3	46.9
12:30 AM - 12:35 AM	52.3	63.3	47.6
12:35 AM - 12:40 AM	48.0	53.8	46.8

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Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442473-1

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2598902-14
Parameter Noise
Location หมุดที่ 1 ตำบลบ้านแลน (GPS 47P 670700, 1575786) (จุดล้างอิง) (Shut down)
Measurement Date Oct 23 – 24, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	50.0	60.7	46.8
12:45 AM - 12:50 AM	56.8	80.5	46.9
12:50 AM - 12:55 AM	51.1	61.1	47.4
12:55 AM - 01:00 AM	52.2	59.3	48.1
01:00 AM - 01:05 AM	48.7	55.3	46.8
01:05 AM - 01:10 AM	47.9	55.5	46.2
01:10 AM - 01:15 AM	48.8	58.6	45.9
01:15 AM - 01:20 AM	48.2	60.4	45.6
01:20 AM - 01:25 AM	47.4	52.0	45.8
01:25 AM - 01:30 AM	47.5	53.4	46.0
01:30 AM - 01:35 AM	47.5	52.6	46.2
01:35 AM - 01:40 AM	50.2	61.4	46.2
01:40 AM - 01:45 AM	47.9	53.7	46.8
01:45 AM - 01:50 AM	48.8	59.7	46.9
01:50 AM - 01:55 AM	47.8	55.6	45.6
01:55 AM - 02:00 AM	46.5	52.8	44.8
02:00 AM - 02:05 AM	46.7	56.4	44.7
02:05 AM - 02:10 AM	45.5	57.7	43.9
02:10 AM - 02:15 AM	46.4	52.2	44.8
02:15 AM - 02:20 AM	47.2	52.8	45.3
02:20 AM - 02:25 AM	48.2	63.8	45.9
02:25 AM - 02:30 AM	46.8	53.8	45.1
02:30 AM - 02:35 AM	48.3	61.8	45.0
02:35 AM - 02:40 AM	46.9	51.2	45.3
02:40 AM - 02:45 AM	49.2	59.4	45.6
02:45 AM - 02:50 AM	46.0	56.0	44.8
02:50 AM - 02:55 AM	46.9	62.8	44.6
02:55 AM - 03:00 AM	46.4	59.1	44.1
03:00 AM - 03:05 AM	46.8	56.9	45.0
03:05 AM - 03:10 AM	47.1	66.8	44.8
03:10 AM - 03:15 AM	45.5	54.9	43.5
03:15 AM - 03:20 AM	46.5	56.2	44.7
03:20 AM - 03:25 AM	54.4	70.9	44.9
03:25 AM - 03:30 AM	53.5	70.5	45.0
03:30 AM - 03:35 AM	46.2	51.8	44.6
03:35 AM - 03:40 AM	46.0	51.6	44.7
03:40 AM - 03:45 AM	46.5	54.7	44.9
03:45 AM - 03:50 AM	46.1	51.3	44.6
03:50 AM - 03:55 AM	45.3	56.1	44.1
03:55 AM - 04:00 AM	47.6	52.3	44.4

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Kanokkorn Anek
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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2598902
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442473-1

Sample No. 2598902-14
Parameter Noise
Location หมุดที่ 1 ตำบลบ้านแลน (GPS 47P 670700, 1575786) (จุดล่างอิง) (Shut down)
Measurement Date Oct 23 - 24, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	46.1	53.9	44.6
04:05 AM - 04:10 AM	45.9	50.7	44.3
04:10 AM - 04:15 AM	45.6	50.4	44.1
04:15 AM - 04:20 AM	45.4	50.7	44.1
04:20 AM - 04:25 AM	45.6	51.6	44.5
04:25 AM - 04:30 AM	46.6	51.4	45.4
04:30 AM - 04:35 AM	46.9	56.8	45.4
04:35 AM - 04:40 AM	48.9	61.2	45.4
04:40 AM - 04:45 AM	46.3	50.4	45.2
04:45 AM - 04:50 AM	46.4	49.4	45.5
04:50 AM - 04:55 AM	46.4	53.9	45.5
04:55 AM - 05:00 AM	46.6	50.7	45.6
05:00 AM - 05:05 AM	45.8	49.3	44.8
05:05 AM - 05:10 AM	45.8	48.3	44.8
05:10 AM - 05:15 AM	45.6	54.0	44.4
05:15 AM - 05:20 AM	49.3	63.8	44.2
05:20 AM - 05:25 AM	48.8	64.2	44.9
05:25 AM - 05:30 AM	50.0	65.3	45.0
05:30 AM - 05:35 AM	56.2	74.1	44.4
05:35 AM - 05:40 AM	58.3	73.1	44.5
05:40 AM - 05:45 AM	52.4	71.6	44.2
05:45 AM - 05:50 AM	46.7	55.9	44.6
05:50 AM - 05:55 AM	46.5	61.8	44.0
05:55 AM - 06:00 AM	44.5	53.6	43.3
06:00 AM - 07:00 AM	50.9	82.4	43.4
07:00 AM - 08:00 AM	50.4	77.6	43.8
08:00 AM - 09:00 AM	48.0	69.4	45.0
09:00 AM - 10:00 AM	53.4	80.4	46.8
10:00 AM - 11:00 AM	53.2	81.1	49.0
11:00 AM - 12:00 PM	59.5	81.3	47.8
12:00 PM - 01:00 PM	53.9	81.1	45.8
01:00 PM - 02:00 PM	49.5	68.8	39.0

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการระบายกรม ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442505-1C8

Sample No. 2595684-8
Parameter Noise
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (จุดล่างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 17 - 18, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.2	73.9	46.5
11:00 AM - 12:00 PM	49.6	68.6	47.0
12:00 PM - 01:00 PM	49.2	65.4	46.8
01:00 PM - 02:00 PM	48.7	63.9	46.7
02:00 PM - 03:00 PM	58.0	74.8	53.8
03:00 PM - 04:00 PM	59.4	90.6	55.9
04:00 PM - 05:00 PM	52.7	69.0	50.7
05:00 PM - 06:00 PM	54.0	71.1	50.6
06:00 PM - 07:00 PM	55.0	66.0	51.5
07:00 PM - 08:00 PM	57.4	70.9	54.4
08:00 PM - 09:00 PM	55.7	70.8	54.5
09:00 PM - 10:00 PM	55.6	71.7	54.2
10:00 PM - 10:05 PM	54.6	58.6	53.9
10:05 PM - 10:10 PM	55.2	59.3	54.3
10:10 PM - 10:15 PM	54.9	57.7	54.1
10:15 PM - 10:20 PM	54.7	56.8	53.9
10:20 PM - 10:25 PM	53.9	55.7	53.4
10:25 PM - 10:30 PM	53.9	57.0	53.4
10:30 PM - 10:35 PM	54.4	56.3	54.0
10:35 PM - 10:40 PM	54.6	57.6	54.1
10:40 PM - 10:45 PM	54.1	57.2	53.5
10:45 PM - 10:50 PM	53.9	57.4	52.9
10:50 PM - 10:55 PM	54.2	58.2	53.3
10:55 PM - 11:00 PM	54.3	58.1	53.3
11:00 PM - 11:05 PM	54.1	56.8	53.4
11:05 PM - 11:10 PM	54.5	64.2	53.2
11:10 PM - 11:15 PM	54.7	58.4	53.3
11:15 PM - 11:20 PM	55.4	65.7	53.3
11:20 PM - 11:25 PM	54.1	57.1	53.1
11:25 PM - 11:30 PM	54.3	56.9	52.9
11:30 PM - 11:35 PM	53.6	58.3	52.4
11:35 PM - 11:40 PM	54.1	56.5	52.9
11:40 PM - 11:45 PM	53.9	57.9	52.8
11:45 PM - 11:50 PM	53.5	57.4	52.1
11:50 PM - 11:55 PM	54.2	64.1	51.8
11:55 PM - 12:00 AM	53.6	57.1	52.0
12:00 AM - 12:05 AM	54.6	63.6	52.0
12:05 AM - 12:10 AM	53.6	57.5	52.6
12:10 AM - 12:15 AM	54.3	58.4	53.0
12:15 AM - 12:20 AM	55.2	59.4	53.5

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442505-1C8

Sample No. 2595684-8
Parameter Noise
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (จุดล่างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 17 - 18, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	54.1	61.6	52.9
12:25 AM - 12:30 AM	53.5	58.5	52.5
12:30 AM - 12:35 AM	53.5	57.9	52.5
12:35 AM - 12:40 AM	54.1	58.4	52.7
12:40 AM - 12:45 AM	54.5	58.6	52.1
12:45 AM - 12:50 AM	52.4	56.6	51.1
12:50 AM - 12:55 AM	52.6	57.3	51.3
12:55 AM - 01:00 AM	52.5	57.7	51.2
01:00 AM - 01:05 AM	52.3	56.3	51.4
01:05 AM - 01:10 AM	53.1	57.8	51.9
01:10 AM - 01:15 AM	52.9	56.3	51.8
01:15 AM - 01:20 AM	53.5	59.1	51.8
01:20 AM - 01:25 AM	54.4	57.5	52.3
01:25 AM - 01:30 AM	54.7	59.2	52.1
01:30 AM - 01:35 AM	55.1	61.0	52.8
01:35 AM - 01:40 AM	53.1	56.9	51.9
01:40 AM - 01:45 AM	52.8	58.7	51.5
01:45 AM - 01:50 AM	53.3	56.6	52.1
01:50 AM - 01:55 AM	53.5	56.4	52.2
01:55 AM - 02:00 AM	53.3	58.7	52.2
02:00 AM - 02:05 AM	52.4	58.0	50.7
02:05 AM - 02:10 AM	52.0	57.4	50.9
02:10 AM - 02:15 AM	52.0	58.4	51.2
02:15 AM - 02:20 AM	52.2	56.8	51.4
02:20 AM - 02:25 AM	52.3	57.2	51.3
02:25 AM - 02:30 AM	53.2	59.1	51.5
02:30 AM - 02:35 AM	52.7	56.7	51.5
02:35 AM - 02:40 AM	52.2	56.1	51.3
02:40 AM - 02:45 AM	52.9	57.7	51.5
02:45 AM - 02:50 AM	52.7	56.6	51.3
02:50 AM - 02:55 AM	53.0	56.0	51.6
02:55 AM - 03:00 AM	53.4	58.4	51.6
03:00 AM - 03:05 AM	53.2	56.3	51.7
03:05 AM - 03:10 AM	53.5	57.4	51.9
03:10 AM - 03:15 AM	53.1	56.5	51.6
03:15 AM - 03:20 AM	53.2	56.2	51.6
03:20 AM - 03:25 AM	53.2	56.1	51.8
03:25 AM - 03:30 AM	52.9	59.2	51.6
03:30 AM - 03:35 AM	55.2	60.0	52.1
03:35 AM - 03:40 AM	54.9	60.2	51.8

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Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442505-1C8

Sample No. 2595684-8
Parameter Noise
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (จุดล่างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 17 - 18, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	53.1	62.4	51.6
03:45 AM - 03:50 AM	53.9	58.6	52.1
03:50 AM - 03:55 AM	54.1	58.4	52.5
03:55 AM - 04:00 AM	54.0	56.6	52.5
04:00 AM - 04:05 AM	53.9	57.2	52.2
04:05 AM - 04:10 AM	53.8	59.2	51.9
04:10 AM - 04:15 AM	54.4	57.8	52.6
04:15 AM - 04:20 AM	54.5	59.2	52.6
04:20 AM - 04:25 AM	52.8	58.2	52.0
04:25 AM - 04:30 AM	53.0	56.8	52.0
04:30 AM - 04:35 AM	53.4	59.2	52.2
04:35 AM - 04:40 AM	52.8	56.1	51.7
04:40 AM - 04:45 AM	53.0	58.8	51.6
04:45 AM - 04:50 AM	52.9	56.2	51.5
04:50 AM - 04:55 AM	53.1	56.6	51.8
04:55 AM - 05:00 AM	53.6	56.9	52.2
05:00 AM - 05:05 AM	53.7	56.6	52.5
05:05 AM - 05:10 AM	53.9	58.6	52.5
05:10 AM - 05:15 AM	53.9	56.5	52.7
05:15 AM - 05:20 AM	53.9	59.5	52.4
05:20 AM - 05:25 AM	54.0	56.9	52.5
05:25 AM - 05:30 AM	53.9	57.7	52.4
05:30 AM - 05:35 AM	54.0	58.3	52.6
05:35 AM - 05:40 AM	54.0	57.2	52.2
05:40 AM - 05:45 AM	54.0	57.6	52.2
05:45 AM - 05:50 AM	55.4	71.1	52.9
05:50 AM - 05:55 AM	55.2	60.1	53.2
05:55 AM - 06:00 AM	54.9	59.3	52.8
06:00 AM - 07:00 AM	56.0	67.2	53.3
07:00 AM - 08:00 AM	56.0	75.5	52.5
08:00 AM - 09:00 AM	51.9	68.8	49.3
09:00 AM - 10:00 AM	49.9	70.2	47.7

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการระบายกรม ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442506-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595684-9
Parameter Noise
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (จุดอ้างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 18 - 19, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.1	73.5	46.5
11:00 AM - 12:00 PM	49.2	67.0	46.1
12:00 PM - 01:00 PM	47.8	64.9	45.9
01:00 PM - 02:00 PM	49.7	72.4	45.6
02:00 PM - 03:00 PM	47.1	67.8	45.3
03:00 PM - 04:00 PM	49.5	69.4	46.2
04:00 PM - 05:00 PM	50.5	67.8	47.4
05:00 PM - 06:00 PM	53.6	74.2	49.2
06:00 PM - 07:00 PM	53.7	68.1	51.8
07:00 PM - 08:00 PM	59.2	71.7	54.2
08:00 PM - 09:00 PM	56.0	69.6	53.5
09:00 PM - 10:00 PM	54.2	70.7	52.7
10:00 PM - 10:05 PM	52.1	56.5	51.6
10:05 PM - 10:10 PM	51.5	57.1	50.8
10:10 PM - 10:15 PM	51.6	55.1	51.0
10:15 PM - 10:20 PM	51.9	58.4	51.2
10:20 PM - 10:25 PM	52.3	60.7	50.7
10:25 PM - 10:30 PM	52.5	59.1	50.6
10:30 PM - 10:35 PM	52.1	58.6	50.6
10:35 PM - 10:40 PM	52.3	61.6	50.6
10:40 PM - 10:45 PM	52.0	59.2	50.8
10:45 PM - 10:50 PM	52.3	59.4	51.1
10:50 PM - 10:55 PM	51.3	58.8	50.6
10:55 PM - 11:00 PM	51.4	55.5	50.8
11:00 PM - 11:05 PM	51.7	55.5	51.0
11:05 PM - 11:10 PM	51.8	56.4	51.0
11:10 PM - 11:15 PM	52.4	57.0	51.3
11:15 PM - 11:20 PM	51.4	56.3	50.6
11:20 PM - 11:25 PM	51.3	56.7	50.6
11:25 PM - 11:30 PM	51.6	57.1	50.8
11:30 PM - 11:35 PM	51.7	55.3	50.9
11:35 PM - 11:40 PM	51.7	55.6	50.7
11:40 PM - 11:45 PM	51.3	55.6	50.4
11:45 PM - 11:50 PM	51.3	55.4	50.4
11:50 PM - 11:55 PM	51.1	56.5	50.3
11:55 PM - 12:00 AM	50.5	52.5	50.0
12:00 AM - 12:05 AM	51.2	62.4	50.1
12:05 AM - 12:10 AM	50.7	53.3	49.6
12:10 AM - 12:15 AM	50.2	55.5	49.5
12:15 AM - 12:20 AM	50.8	58.0	49.7

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442506-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595684-9
Parameter Noise
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (จุดอ้างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 18 - 19, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	51.6	58.5	50.2
12:25 AM - 12:30 AM	51.8	58.9	50.4
12:30 AM - 12:35 AM	51.9	59.4	50.4
12:35 AM - 12:40 AM	51.9	58.6	50.2
12:40 AM - 12:45 AM	51.5	58.3	50.0
12:45 AM - 12:50 AM	51.9	59.1	50.0
12:50 AM - 12:55 AM	51.5	57.9	49.8
12:55 AM - 01:00 AM	51.3	57.8	50.1
01:00 AM - 01:05 AM	51.4	58.3	50.2
01:05 AM - 01:10 AM	51.9	59.1	49.8
01:10 AM - 01:15 AM	51.9	59.3	49.6
01:15 AM - 01:20 AM	51.9	59.6	49.5
01:20 AM - 01:25 AM	51.6	55.3	49.7
01:25 AM - 01:30 AM	52.0	55.2	49.9
01:30 AM - 01:35 AM	51.6	57.1	50.0
01:35 AM - 01:40 AM	51.6	55.6	50.1
01:40 AM - 01:45 AM	51.9	56.0	49.9
01:45 AM - 01:50 AM	52.2	57.4	49.5
01:50 AM - 01:55 AM	51.9	57.3	49.7
01:55 AM - 02:00 AM	51.4	57.5	49.5
02:00 AM - 02:05 AM	50.8	56.3	49.4
02:05 AM - 02:10 AM	51.2	56.0	49.9
02:10 AM - 02:15 AM	51.4	55.5	49.9
02:15 AM - 02:20 AM	52.3	56.0	50.2
02:20 AM - 02:25 AM	52.3	56.4	50.1
02:25 AM - 02:30 AM	52.4	56.5	50.1
02:30 AM - 02:35 AM	52.6	56.6	50.3
02:35 AM - 02:40 AM	52.5	56.7	49.5
02:40 AM - 02:45 AM	54.7	58.8	52.1
02:45 AM - 02:50 AM	59.6	68.5	50.5
02:50 AM - 02:55 AM	52.5	57.8	50.1
02:55 AM - 03:00 AM	51.0	56.8	49.7
03:00 AM - 03:05 AM	50.9	56.8	49.2
03:05 AM - 03:10 AM	51.1	56.7	49.8
03:10 AM - 03:15 AM	51.1	57.1	50.0
03:15 AM - 03:20 AM	51.8	55.8	50.0
03:20 AM - 03:25 AM	52.0	56.1	50.4
03:25 AM - 03:30 AM	51.3	55.5	49.7
03:30 AM - 03:35 AM	52.1	56.1	50.1
03:35 AM - 03:40 AM	52.4	56.3	50.6

Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442506-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595684-9
Parameter Noise
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (จุดอ้างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 18 - 19, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	52.4	56.3	50.4
03:45 AM - 03:50 AM	52.6	56.6	50.4
03:50 AM - 03:55 AM	53.1	56.9	50.8
03:55 AM - 04:00 AM	52.8	56.8	50.5
04:00 AM - 04:05 AM	52.4	56.8	50.6
04:05 AM - 04:10 AM	52.9	57.9	50.8
04:10 AM - 04:15 AM	53.3	57.8	50.9
04:15 AM - 04:20 AM	53.1	56.8	50.6
04:20 AM - 04:25 AM	53.6	59.2	50.7
04:25 AM - 04:30 AM	53.6	60.9	50.7
04:30 AM - 04:35 AM	53.9	57.5	51.5
04:35 AM - 04:40 AM	54.1	59.6	51.4
04:40 AM - 04:45 AM	53.8	57.7	51.0
04:45 AM - 04:50 AM	53.7	58.9	51.0
04:50 AM - 04:55 AM	53.9	56.6	51.3
04:55 AM - 05:00 AM	54.3	57.7	51.8
05:00 AM - 05:05 AM	53.8	57.3	51.4
05:05 AM - 05:10 AM	54.5	60.5	51.9
05:10 AM - 05:15 AM	54.8	59.8	52.1
05:15 AM - 05:20 AM	54.7	58.1	51.7
05:20 AM - 05:25 AM	55.0	58.5	52.3
05:25 AM - 05:30 AM	55.4	58.6	52.7
05:30 AM - 05:35 AM	55.1	58.1	52.5
05:35 AM - 05:40 AM	55.1	58.4	52.6
05:40 AM - 05:45 AM	55.4	59.8	53.2
05:45 AM - 05:50 AM	53.3	61.9	51.8
05:50 AM - 05:55 AM	53.6	61.1	51.9
05:55 AM - 06:00 AM	53.5	58.4	52.0
06:00 AM - 07:00 AM	53.1	64.0	51.2
07:00 AM - 08:00 AM	51.3	68.7	48.9
08:00 AM - 09:00 AM	49.8	65.3	47.8
09:00 AM - 10:00 AM	48.8	70.0	45.9

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงคงเสียง ฉบับที่ 4 (พ.ศ. 2561

Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442507-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595684-10
Parameter Noise
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (จุดอ้างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 19 - 20, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.8	64.4	46.0
11:00 AM - 12:00 PM	52.2	81.5	45.0
12:00 PM - 01:00 PM	47.7	71.3	45.2
01:00 PM - 02:00 PM	46.4	66.6	44.2
02:00 PM - 03:00 PM	49.2	74.3	45.0
03:00 PM - 04:00 PM	47.4	71.4	45.1
04:00 PM - 05:00 PM	47.1	67.0	44.8
05:00 PM - 06:00 PM	50.0	69.1	47.4
06:00 PM - 07:00 PM	51.8	62.2	50.4
07:00 PM - 08:00 PM	55.1	67.2	51.8
08:00 PM - 09:00 PM	53.9	60.8	52.4
09:00 PM - 10:00 PM	52.6	65.1	51.8
10:00 PM - 10:05 PM	52.2	54.1	51.8
10:05 PM - 10:10 PM	53.4	63.3	52.2
10:10 PM - 10:15 PM	53.2	59.0	52.4
10:15 PM - 10:20 PM	52.7	54.1	52.2
10:20 PM - 10:25 PM	52.6	54.3	52.1
10:25 PM - 10:30 PM	52.5	55.0	52.0
10:30 PM - 10:35 PM	52.5	56.0	51.8
10:35 PM - 10:40 PM	52.5	55.4	51.8
10:40 PM - 10:45 PM	52.4	56.1	51.5
10:45 PM - 10:50 PM	52.2	55.6	51.2
10:50 PM - 10:55 PM	51.6	55.5	50.9
10:55 PM - 11:00 PM	51.2	54.8	50.5
11:00 PM - 11:05 PM	51.0	55.5	50.5
11:05 PM - 11:10 PM	51.1	55.2	50.4
11:10 PM - 11:15 PM	51.4	55.0	50.5
11:15 PM - 11:20 PM	51.6	55.1	50.7
11:20 PM - 11:25 PM	51.7	55.0	51.0
11:25 PM - 11:30 PM	52.5	58.9	51.4
11:30 PM - 11:35 PM	52.2	57.2	51.1
11:35 PM - 11:40 PM	51.6	56.8	50.8
11:40 PM - 11:45 PM	51.8	61.3	50.8
11:45 PM - 11:50 PM	52.1	64.3	50.4
11:50 PM - 11:55 PM	51.3	56.5	50.5
11:55 PM - 12:00 AM	51.7	59.6	50.6
12:00 AM - 12:05 AM	51.4	53.2	50.7
12:05 AM - 12:10 AM	51.5	55.0	50.6
12:10 AM - 12:15 AM	50.9	54.2	50.1
12:15 AM - 12:20 AM	51.3	54.7	50.5

Approved by
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Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442507-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595684-10
Parameter Noise
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (จุดอ้างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 19 - 20, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	51.4	56.3	50.6
12:25 AM - 12:30 AM	51.4	56.3	50.4
12:30 AM - 12:35 AM	51.1	58.1	50.0
12:35 AM - 12:40 AM	50.5	55.2	49.6
12:40 AM - 12:45 AM	50.6	56.5	49.5
12:45 AM - 12:50 AM	51.2	54.9	50.1
12:50 AM - 12:55 AM	51.0	56.8	49.9
12:55 AM - 01:00 AM	51.1	55.3	50.0
01:00 AM - 01:05 AM	50.9	54.9	49.8
01:05 AM - 01:10 AM	50.8	54.7	49.6
01:10 AM - 01:15 AM	50.6	54.7	49.4
01:15 AM - 01:20 AM	50.3	54.6	49.2
01:20 AM - 01:25 AM	50.3	54.7	49.3
01:25 AM - 01:30 AM	49.9	54.5	48.8
01:30 AM - 01:35 AM	50.2	54.8	49.0
01:35 AM - 01:40 AM	50.6	55.3	49.6
01:40 AM - 01:45 AM	51.4	57.2	49.8
01:45 AM - 01:50 AM	51.6	58.1	50.0
01:50 AM - 01:55 AM	52.3	60.2	50.3
01:55 AM - 02:00 AM	51.7	57.6	49.9
02:00 AM - 02:05 AM	50.9	57.0	49.5
02:05 AM - 02:10 AM	51.2	57.2	49.4
02:10 AM - 02:15 AM	51.2	56.8	49.5
02:15 AM - 02:20 AM	50.7	55.0	49.7
02:20 AM - 02:25 AM	51.2	55.3	49.7
02:25 AM - 02:30 AM	51.0	55.1	49.4
02:30 AM - 02:35 AM	50.6	56.4	49.3
02:35 AM - 02:40 AM	49.9	56.0	48.5
02:40 AM - 02:45 AM	50.2	54.7	48.4
02:45 AM - 02:50 AM	49.8	54.4	48.1
02:50 AM - 02:55 AM	49.8	53.9	48.8
02:55 AM - 03:00 AM	50.0	52.6	49.3
03:00 AM - 03:05 AM	50.4	53.1	49.5
03:05 AM - 03:10 AM	51.3	55.5	50.0
03:10 AM - 03:15 AM	50.6	52.8	49.8
03:15 AM - 03:20 AM	50.7	54.1	49.9
03:20 AM - 03:25 AM	51.4	55.6	50.2
03:25 AM - 03:30 AM	52.2	58.0	50.3
03:30 AM - 03:35 AM	53.5	57.9	50.5
03:35 AM - 03:40 AM	53.8	58.0	50.4

The above result are valid only for the analyzed/tested sample(s) as indicated in this report. No part of the report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442507-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595684-10
Parameter Noise
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (จุดอ้างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 19 - 20, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	52.6	57.1	50.2
03:45 AM - 03:50 AM	51.2	55.3	49.9
03:50 AM - 03:55 AM	51.6	55.7	49.7
03:55 AM - 04:00 AM	52.7	56.4	50.9
04:00 AM - 04:05 AM	53.4	58.6	51.5
04:05 AM - 04:10 AM	53.5	58.0	51.3
04:10 AM - 04:15 AM	53.3	58.1	51.2
04:15 AM - 04:20 AM	53.4	56.6	51.7
04:20 AM - 04:25 AM	53.5	57.5	51.7
04:25 AM - 04:30 AM	53.7	56.9	52.0
04:30 AM - 04:35 AM	53.5	58.8	51.5
04:35 AM - 04:40 AM	54.5	58.4	53.6
04:40 AM - 04:45 AM	54.7	58.8	52.3
04:45 AM - 04:50 AM	53.7	57.8	52.0
04:50 AM - 04:55 AM	53.4	56.6	51.8
04:55 AM - 05:00 AM	53.7	56.9	52.0
05:00 AM - 05:05 AM	53.5	56.8	51.7
05:05 AM - 05:10 AM	53.6	58.9	51.2
05:10 AM - 05:15 AM	53.6	58.8	51.1
05:15 AM - 05:20 AM	54.0	59.5	51.4
05:20 AM - 05:25 AM	54.7	58.6	51.6
05:25 AM - 05:30 AM	54.3	59.3	51.5
05:30 AM - 05:35 AM	54.9	59.0	51.5
05:35 AM - 05:40 AM	54.8	61.7	51.3
05:40 AM - 05:45 AM	55.1	59.2	51.6
05:45 AM - 05:50 AM	54.5	61.7	51.9
05:50 AM - 05:55 AM	57.2	79.6	51.9
05:55 AM - 06:00 AM	54.4	59.0	51.9
06:00 AM - 07:00 AM	53.3	74.5	51.0
07:00 AM - 08:00 AM	55.0	82.3	51.1
08:00 AM - 09:00 AM	55.1	82.0	49.1
09:00 AM - 10:00 AM	56.0	71.8	47.8

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงจากรอบทาง ระดับเสียงแผ่เป็นวงกลม 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442508-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595684-11
Parameter Noise
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (จุดอ้างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 20 - 21, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.7	74.5	46.3
11:00 AM - 12:00 PM	49.7	75.4	46.5
12:00 PM - 01:00 PM	49.0	67.9	46.5
01:00 PM - 02:00 PM	48.7	71.0	46.4
02:00 PM - 03:00 PM	49.5	64.7	47.2
03:00 PM - 04:00 PM	53.3	72.7	50.5
04:00 PM - 05:00 PM	52.7	70.4	50.5
05:00 PM - 06:00 PM	53.2	69.7	49.9
06:00 PM - 07:00 PM	53.8	66.6	52.4
07:00 PM - 08:00 PM	55.7	66.4	54.1
08:00 PM - 09:00 PM	55.2	70.9	54.0
09:00 PM - 10:00 PM	54.7	68.8	53.5
10:00 PM - 10:05 PM	53.6	55.2	52.9
10:05 PM - 10:10 PM	53.3	55.0	52.5
10:10 PM - 10:15 PM	53.3	56.5	52.5
10:15 PM - 10:20 PM	52.7	55.6	52.0
10:20 PM - 10:25 PM	52.8	56.9	52.2
10:25 PM - 10:30 PM	52.7	57.7	52.0
10:30 PM - 10:35 PM	52.5	54.4	51.7
10:35 PM - 10:40 PM	52.7	56.4	51.8
10:40 PM - 10:45 PM	52.7	55.5	51.8
10:45 PM - 10:50 PM	52.4	56.1	51.4
10:50 PM - 10:55 PM	52.3	54.2	51.4
10:55 PM - 11:00 PM	52.5	56.0	51.6
11:00 PM - 11:05 PM	51.8	53.7	51.2
11:05 PM - 11:10 PM	52.0	55.6	51.3
11:10 PM - 11:15 PM	51.9	55.2	51.2
11:15 PM - 11:20 PM	51.9	53.9	51.1
11:20 PM - 11:25 PM	51.9	54.2	51.2
11:25 PM - 11:30 PM	52.5	54.6	51.4
11:30 PM - 11:35 PM	51.9	54.0	51.2
11:35 PM - 11:40 PM	51.7	53.9	51.0
11:40 PM - 11:45 PM	52.0	55.1	51.4
11:45 PM - 11:50 PM	52.8	59.0	51.7
11:50 PM - 11:55 PM	52.7	55.1	51.7
11:55 PM - 12:00 AM	53.0	55.1	52.0
12:00 AM - 12:05 AM	52.9	54.8	52.0
12:05 AM - 12:10 AM	53.6	55.6	52.6
12:10 AM - 12:15 AM	53.6	55.7	52.4
12:15 AM - 12:20 AM	53.5	55.8	52.4

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Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442508-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595684-11
Parameter Noise
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (จุดอ้างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 20 - 21, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	52.0	54.8	50.5
12:25 AM - 12:30 AM	51.2	54.4	50.1
12:30 AM - 12:35 AM	51.6	56.2	50.2
12:35 AM - 12:40 AM	53.7	57.4	52.4
12:40 AM - 12:45 AM	54.7	58.1	53.5
12:45 AM - 12:50 AM	56.8	59.7	54.6
12:50 AM - 12:55 AM	57.5	61.9	54.6
12:55 AM - 01:00 AM	55.1	58.2	53.5
01:00 AM - 01:05 AM	54.1	57.7	52.2
01:05 AM - 01:10 AM	54.7	58.5	53.2
01:10 AM - 01:15 AM	55.3	58.9	53.8
01:15 AM - 01:20 AM	55.2	58.9	53.3
01:20 AM - 01:25 AM	53.6	57.7	51.8
01:25 AM - 01:30 AM	53.4	57.5	51.4
01:30 AM - 01:35 AM	55.2	59.4	52.7
01:35 AM - 01:40 AM	54.9	59.6	53.1
01:40 AM - 01:45 AM	51.8	57.3	50.5
01:45 AM - 01:50 AM	52.0	56.3	50.3
01:50 AM - 01:55 AM	53.8	57.7	52.7
01:55 AM - 02:00 AM	53.5	56.6	52.6
02:00 AM - 02:05 AM	53.4	56.7	52.4
02:05 AM - 02:10 AM	52.9	56.5	51.8
02:10 AM - 02:15 AM	52.9	54.6	52.2
02:15 AM - 02:20 AM	51.3	54.4	50.1
02:20 AM - 02:25 AM	52.2	54.7	51.4
02:25 AM - 02:30 AM	52.8	55.5	52.0
02:30 AM - 02:35 AM	52.2	55.2	51.7
02:35 AM - 02:40 AM	51.2	54.4	49.6
02:40 AM - 02:45 AM	49.9	55.1	49.0
02:45 AM - 02:50 AM	50.7	52.9	50.2
02:50 AM - 02:55 AM	51.7	58.1	50.1
02:55 AM - 03:00 AM	56.2	59.3	50.6
03:00 AM - 03:05 AM	57.2	59.5	52.1
03:05 AM - 03:10 AM	56.5	58.7	50.8
03:10 AM - 03:15 AM	56.3	58.9	52.3
03:15 AM - 03:20 AM	54.3	57.8	49.5
03:20 AM - 03:25 AM	52.8	59.2	50.8
03:25 AM - 03:30 AM	55.1	57.5	52.3
03:30 AM - 03:35 AM	56.6	59.3	54.2
03:35 AM - 03:40 AM	55.3	57.4	52.7

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Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442508-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595684-11
Parameter Noise
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (จุดอ้างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 20 - 21, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	54.5	57.2	51.7
03:45 AM - 03:50 AM	55.4	57.6	52.8
03:50 AM - 03:55 AM	54.9	57.5	52.7
03:55 AM - 04:00 AM	54.8	57.0	51.9
04:00 AM - 04:05 AM	55.2	58.1	52.3
04:05 AM - 04:10 AM	54.5	61.9	52.0
04:10 AM - 04:15 AM	54.6	57.5	52.3
04:15 AM - 04:20 AM	53.9	57.1	51.5
04:20 AM - 04:25 AM	54.4	57.6	51.4
04:25 AM - 04:30 AM	54.1	62.0	51.2
04:30 AM - 04:35 AM	52.2	69.7	50.3
04:35 AM - 04:40 AM	52.0	58.8	50.4
04:40 AM - 04:45 AM	53.2	56.3	51.6
04:45 AM - 04:50 AM	53.8	58.9	51.8
04:50 AM - 04:55 AM	52.1	57.4	49.9
04:55 AM - 05:00 AM	52.2	56.0	50.5
05:00 AM - 05:05 AM	52.7	58.2	51.0
05:05 AM - 05:10 AM	52.7	58.6	51.2
05:10 AM - 05:15 AM	52.6	56.1	51.1
05:15 AM - 05:20 AM	52.7	56.8	50.9
05:20 AM - 05:25 AM	53.4	57.3	51.2
05:25 AM - 05:30 AM	53.6	60.4	51.4
05:30 AM - 05:35 AM	54.3	62.6	51.9
05:35 AM - 05:40 AM	54.3	57.5	52.4
05:40 AM - 05:45 AM	54.6	57.9	52.9
05:45 AM - 05:50 AM	54.8	62.0	52.7
05:50 AM - 05:55 AM	57.5	78.8	53.1
05:55 AM - 06:00 AM	54.7	59.9	53.0
06:00 AM - 07:00 AM	54.5	67.0	52.1
07:00 AM - 08:00 AM	55.1	60.8	51.9
08:00 AM - 09:00 AM	51.6	67.7	49.6
09:00 AM - 10:00 AM	48.5	62.2	47.2

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการระบาย ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442509-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595684-12
Parameter Noise
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (จุดอ้างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 21 - 22, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.1	68.8	47.5
11:00 AM - 12:00 PM	49.1	60.8	47.7
12:00 PM - 01:00 PM	49.2	68.4	47.2
01:00 PM - 02:00 PM	50.2	66.6	48.1
02:00 PM - 03:00 PM	51.6	71.0	49.1
03:00 PM - 04:00 PM	51.5	69.0	49.3
04:00 PM - 05:00 PM	52.0	68.5	49.5
05:00 PM - 06:00 PM	53.1	70.4	50.1
06:00 PM - 07:00 PM	54.5	64.7	53.0
07:00 PM - 08:00 PM	57.5	65.5	55.7
08:00 PM - 09:00 PM	57.4	65.7	56.0
09:00 PM - 10:00 PM	58.1	67.6	55.6
10:00 PM - 10:05 PM	59.1	65.5	54.0
10:05 PM - 10:10 PM	57.7	64.8	53.7
10:10 PM - 10:15 PM	54.0	55.7	53.3
10:15 PM - 10:20 PM	54.0	55.5	53.4
10:20 PM - 10:25 PM	53.8	57.7	53.1
10:25 PM - 10:30 PM	53.7	55.9	53.2
10:30 PM - 10:35 PM	53.7	57.7	53.0
10:35 PM - 10:40 PM	53.7	57.1	53.1
10:40 PM - 10:45 PM	54.8	56.9	53.5
10:45 PM - 10:50 PM	54.3	57.0	53.2
10:50 PM - 10:55 PM	53.7	57.4	53.1
10:55 PM - 11:00 PM	53.6	57.2	53.0
11:00 PM - 11:05 PM	53.6	56.6	52.9
11:05 PM - 11:10 PM	53.7	56.5	53.0
11:10 PM - 11:15 PM	54.1	57.0	53.4
11:15 PM - 11:20 PM	53.9	57.2	53.2
11:20 PM - 11:25 PM	54.1	67.3	52.8
11:25 PM - 11:30 PM	53.6	56.8	53.0
11:30 PM - 11:35 PM	53.4	56.0	52.7
11:35 PM - 11:40 PM	54.0	56.4	52.8
11:40 PM - 11:45 PM	57.5	60.3	53.9
11:45 PM - 11:50 PM	54.0	56.4	53.3
11:50 PM - 11:55 PM	53.9	57.7	53.3
11:55 PM - 12:00 AM	54.9	57.9	53.3
12:00 AM - 12:05 AM	54.0	57.8	52.9
12:05 AM - 12:10 AM	53.4	57.1	52.4
12:10 AM - 12:15 AM	53.5	57.5	52.5
12:15 AM - 12:20 AM	53.2	57.3	52.3

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Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442509-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595684-12
Parameter Noise
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (จุดอ้างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 21 - 22, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	52.8	57.7	52.0
12:25 AM - 12:30 AM	53.2	57.9	52.3
12:30 AM - 12:35 AM	53.5	56.4	52.5
12:35 AM - 12:40 AM	53.3	58.6	52.3
12:40 AM - 12:45 AM	53.8	59.3	52.4
12:45 AM - 12:50 AM	53.3	58.6	52.1
12:50 AM - 12:55 AM	54.3	58.8	52.2
12:55 AM - 01:00 AM	52.6	58.0	51.8
01:00 AM - 01:05 AM	52.4	55.4	51.7
01:05 AM - 01:10 AM	52.7	55.8	52.1
01:10 AM - 01:15 AM	53.4	62.2	52.3
01:15 AM - 01:20 AM	53.4	56.8	52.4
01:20 AM - 01:25 AM	53.7	58.4	52.5
01:25 AM - 01:30 AM	53.6	58.4	52.2
01:30 AM - 01:35 AM	53.2	58.8	52.2
01:35 AM - 01:40 AM	52.9	58.2	52.1
01:40 AM - 01:45 AM	56.4	61.2	52.3
01:45 AM - 01:50 AM	54.1	59.8	52.6
01:50 AM - 01:55 AM	53.6	57.8	52.3
01:55 AM - 02:00 AM	52.3	57.9	51.6
02:00 AM - 02:05 AM	52.5	62.1	51.5
02:05 AM - 02:10 AM	52.9	57.1	51.6
02:10 AM - 02:15 AM	52.5	56.3	51.2
02:15 AM - 02:20 AM	52.6	56.3	51.2
02:20 AM - 02:25 AM	53.0	56.1	51.5
02:25 AM - 02:30 AM	53.2	56.5	51.4
02:30 AM - 02:35 AM	53.0	56.1	51.2
02:35 AM - 02:40 AM	53.2	56.1	51.4
02:40 AM - 02:45 AM	53.4	56.6	51.4
02:45 AM - 02:50 AM	53.1	55.8	51.1
02:50 AM - 02:55 AM	53.1	56.2	51.0
02:55 AM - 03:00 AM	52.5	55.8	50.6
03:00 AM - 03:05 AM	52.9	56.0	50.7
03:05 AM - 03:10 AM	52.7	57.7	50.8
03:10 AM - 03:15 AM	53.1	56.8	51.1
03:15 AM - 03:20 AM	53.6	56.9	51.3
03:20 AM - 03:25 AM	53.4	56.7	51.2
03:25 AM - 03:30 AM	53.1	56.6	50.8
03:30 AM - 03:35 AM	53.3	56.8	50.8
03:35 AM - 03:40 AM	53.2	57.0	50.8

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442509-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595684-12
Parameter Noise
Location ร้านค้าภายในพื้นที่อยู่ใกล้เคียงโครงการ (จุดอ้างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 21 - 22, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	52.5	56.5	50.5
03:45 AM - 03:50 AM	52.6	57.6	50.6
03:50 AM - 03:55 AM	53.3	57.6	50.7
03:55 AM - 04:00 AM	53.1	57.6	50.6
04:00 AM - 04:05 AM	53.1	58.3	50.7
04:05 AM - 04:10 AM	53.8	59.1	50.8
04:10 AM - 04:15 AM	54.8	60.3	51.0
04:15 AM - 04:20 AM	54.6	59.7	51.1
04:20 AM - 04:25 AM	54.4	59.3	50.8
04:25 AM - 04:30 AM	52.1	58.9	50.5
04:30 AM - 04:35 AM	51.7	56.8	50.4
04:35 AM - 04:40 AM	52.6	57.1	50.9
04:40 AM - 04:45 AM	53.0	57.3	51.1
04:45 AM - 04:50 AM	53.1	57.4	50.8
04:50 AM - 04:55 AM	52.9	56.3	50.8
04:55 AM - 05:00 AM	53.4	58.5	50.8
05:00 AM - 05:05 AM	55.5	59.2	51.8
05:05 AM - 05:10 AM	55.4	59.9	52.2
05:10 AM - 05:15 AM	55.6	58.7	52.4
05:15 AM - 05:20 AM	55.9	59.1	52.8
05:20 AM - 05:25 AM	56.0	58.7	52.6
05:25 AM - 05:30 AM	54.0	57.0	51.6
05:30 AM - 05:35 AM	54.5	66.6	51.4
05:35 AM - 05:40 AM	53.5	63.7	51.0
05:40 AM - 05:45 AM	52.4	59.6	51.2
05:45 AM - 05:50 AM	52.7	56.0	51.5
05:50 AM - 05:55 AM	53.8	72.3	51.8
05:55 AM - 06:00 AM	53.3	58.5	51.9
06:00 AM - 07:00 AM	53.7	66.1	51.9
07:00 AM - 08:00 AM	55.1	70.1	52.2
08:00 AM - 09:00 AM	52.3	71.4	49.8
09:00 AM - 10:00 AM	51.5	69.1	49.3

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการระบาย ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442510-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595684-13
Parameter Noise
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (จุดอ้างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 22 - 23, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.9	69.6	48.9
11:00 AM - 12:00 PM	51.1	72.0	48.9
12:00 PM - 01:00 PM	50.6	66.8	49.0
01:00 PM - 02:00 PM	50.5	64.4	49.0
02:00 PM - 03:00 PM	50.6	72.1	48.8
03:00 PM - 04:00 PM	50.9	66.2	49.4
04:00 PM - 05:00 PM	52.5	73.1	50.2
05:00 PM - 06:00 PM	54.3	68.8	51.5
06:00 PM - 07:00 PM	55.9	65.3	53.8
07:00 PM - 08:00 PM	56.7	66.6	54.7
08:00 PM - 09:00 PM	56.1	72.2	54.4
09:00 PM - 10:00 PM	56.7	66.2	54.5
10:00 PM - 10:05 PM	54.9	61.1	53.8
10:05 PM - 10:10 PM	55.1	61.4	53.8
10:10 PM - 10:15 PM	55.8	60.9	54.2
10:15 PM - 10:20 PM	55.2	59.9	53.8
10:20 PM - 10:25 PM	54.3	58.6	53.2
10:25 PM - 10:30 PM	53.4	55.2	52.8
10:30 PM - 10:35 PM	53.3	55.1	52.7
10:35 PM - 10:40 PM	53.3	57.0	52.6
10:40 PM - 10:45 PM	53.6	63.7	52.8
10:45 PM - 10:50 PM	53.4	63.1	52.7
10:50 PM - 10:55 PM	53.2	56.8	52.5
10:55 PM - 11:00 PM	52.7	55.1	52.1
11:00 PM - 11:05 PM	53.4	57.2	52.4
11:05 PM - 11:10 PM	54.0	57.2	52.7
11:10 PM - 11:15 PM	53.9	56.5	52.6
11:15 PM - 11:20 PM	53.6	56.1	52.7
11:20 PM - 11:25 PM	53.0	55.2	52.4
11:25 PM - 11:30 PM	54.1	63.8	52.6
11:30 PM - 11:35 PM	52.7	54.6	52.2
11:35 PM - 11:40 PM	52.6	56.2	52.2
11:40 PM - 11:45 PM	52.5	53.9	52.0
11:45 PM - 11:50 PM	52.6	54.0	52.1
11:50 PM - 11:55 PM	52.6	54.2	52.1
11:55 PM - 12:00 AM	52.3	55.1	51.8
12:00 AM - 12:05 AM	52.6	55.4	52.0
12:05 AM - 12:10 AM	52.6	57.0	52.0
12:10 AM - 12:15 AM	52.4	53.9	51.9
12:15 AM - 12:20 AM	52.7	54.2	52.2

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442510-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595684-13
Parameter Noise
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (จุดอ้างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 22 - 23, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	52.8	58.3	52.0
12:25 AM - 12:30 AM	52.5	58.2	51.9
12:30 AM - 12:35 AM	52.4	53.8	51.8
12:35 AM - 12:40 AM	52.4	54.8	51.9
12:40 AM - 12:45 AM	52.6	57.5	51.9
12:45 AM - 12:50 AM	51.9	54.5	51.4
12:50 AM - 12:55 AM	52.0	54.4	51.5
12:55 AM - 01:00 AM	52.2	55.9	51.7
01:00 AM - 01:05 AM	52.4	58.2	51.6
01:05 AM - 01:10 AM	51.8	54.2	51.2
01:10 AM - 01:15 AM	53.2	61.7	51.3
01:15 AM - 01:20 AM	51.8	55.1	51.1
01:20 AM - 01:25 AM	51.8	54.8	51.2
01:25 AM - 01:30 AM	51.7	53.1	51.2
01:30 AM - 01:35 AM	51.4	53.2	50.8
01:35 AM - 01:40 AM	51.5	54.6	50.8
01:40 AM - 01:45 AM	51.5	53.7	50.9
01:45 AM - 01:50 AM	51.4	53.1	50.9
01:50 AM - 01:55 AM	51.4	55.5	50.8
01:55 AM - 02:00 AM	51.3	53.3	50.7
02:00 AM - 02:05 AM	51.6	53.2	51.0
02:05 AM - 02:10 AM	51.6	53.1	51.1
02:10 AM - 02:15 AM	51.5	53.4	51.0
02:15 AM - 02:20 AM	51.6	53.1	51.0
02:20 AM - 02:25 AM	51.5	53.3	50.9
02:25 AM - 02:30 AM	51.6	53.1	51.0
02:30 AM - 02:35 AM	51.6	53.3	51.0
02:35 AM - 02:40 AM	51.3	52.9	50.6
02:40 AM - 02:45 AM	51.4	52.9	50.8
02:45 AM - 02:50 AM	51.2	52.9	50.5
02:50 AM - 02:55 AM	51.2	53.0	50.5
02:55 AM - 03:00 AM	51.0	52.8	50.4
03:00 AM - 03:05 AM	51.2	60.3	50.6
03:05 AM - 03:10 AM	51.2	57.5	50.5
03:10 AM - 03:15 AM	51.0	54.1	50.3
03:15 AM - 03:20 AM	51.1	56.4	50.4
03:20 AM - 03:25 AM	50.8	53.5	50.0
03:25 AM - 03:30 AM	50.8	54.1	50.0
03:30 AM - 03:35 AM	50.4	53.3	49.4
03:35 AM - 03:40 AM	50.0	52.5	49.2

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Kanokkorn Anek
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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442510-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595684-13
Parameter Noise
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (จุดอ้างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 22 - 23, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	50.4	53.1	49.6
03:45 AM - 03:50 AM	51.1	53.6	50.3
03:50 AM - 03:55 AM	50.9	53.3	50.1
03:55 AM - 04:00 AM	51.0	53.5	50.1
04:00 AM - 04:05 AM	50.5	53.4	49.8
04:05 AM - 04:10 AM	50.7	53.8	49.9
04:10 AM - 04:15 AM	51.0	54.6	50.1
04:15 AM - 04:20 AM	51.2	55.0	50.1
04:20 AM - 04:25 AM	50.9	54.7	49.9
04:25 AM - 04:30 AM	51.7	55.2	50.6
04:30 AM - 04:35 AM	51.6	56.9	50.5
04:35 AM - 04:40 AM	51.1	55.1	50.0
04:40 AM - 04:45 AM	51.1	55.6	49.9
04:45 AM - 04:50 AM	50.9	55.3	49.6
04:50 AM - 04:55 AM	50.8	56.6	49.6
04:55 AM - 05:00 AM	51.4	57.3	49.7
05:00 AM - 05:05 AM	51.6	56.4	49.9
05:05 AM - 05:10 AM	52.5	56.9	50.4
05:10 AM - 05:15 AM	52.7	56.3	50.7
05:15 AM - 05:20 AM	53.1	56.1	50.6
05:20 AM - 05:25 AM	52.8	56.6	50.5
05:25 AM - 05:30 AM	53.3	66.5	50.5
05:30 AM - 05:35 AM	51.7	56.6	50.1
05:35 AM - 05:40 AM	51.9	57.1	50.1
05:40 AM - 05:45 AM	53.6	64.4	50.5
05:45 AM - 05:50 AM	53.6	63.4	50.6
05:50 AM - 05:55 AM	53.4	58.5	51.1
05:55 AM - 06:00 AM	53.4	61.9	51.2
06:00 AM - 07:00 AM	53.9	70.0	51.3
07:00 AM - 08:00 AM	58.1	78.6	53.2
08:00 AM - 09:00 AM	60.8	80.3	55.1
09:00 AM - 10:00 AM	49.7	64.5	48.1

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรถบรรทุก ระดับเสียงคงเสียง ฉบับที่ ๔ (พ.ศ. ๒๕๖๑) และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. ๒๕๖๑

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Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442511-1C8

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Sample No. 2595684-14
Parameter Noise
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (จุดอ้างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 23 - 24, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.7	69.0	48.0
11:00 AM - 12:00 PM	50.1	68.0	48.2
12:00 PM - 01:00 PM	50.5	63.7	48.8
01:00 PM - 02:00 PM	49.9	71.7	48.3
02:00 PM - 03:00 PM	51.2	73.6	48.6
03:00 PM - 04:00 PM	52.5	75.3	48.9
04:00 PM - 05:00 PM	52.4	70.5	49.2
05:00 PM - 06:00 PM	53.2	68.3	49.9
06:00 PM - 07:00 PM	53.7	69.3	52.2
07:00 PM - 08:00 PM	55.6	67.2	53.8
08:00 PM - 09:00 PM	53.8	65.1	52.3
09:00 PM - 10:00 PM	54.8	67.7	52.9
10:00 PM - 10:05 PM	53.6	56.5	52.2
10:05 PM - 10:10 PM	53.5	58.7	52.0
10:10 PM - 10:15 PM	53.5	55.9	51.7
10:15 PM - 10:20 PM	53.7	55.6	52.5
10:20 PM - 10:25 PM	53.4	58.8	51.7
10:25 PM - 10:30 PM	53.5	55.9	51.5
10:30 PM - 10:35 PM	53.5	55.7	51.8
10:35 PM - 10:40 PM	52.9	55.3	50.8
10:40 PM - 10:45 PM	53.1	54.9	51.2
10:45 PM - 10:50 PM	53.3	55.4	51.7
10:50 PM - 10:55 PM	53.3	55.1	52.2
10:55 PM - 11:00 PM	52.9	56.1	50.7
11:00 PM - 11:05 PM	53.0	55.4	50.9
11:05 PM - 11:10 PM	53.5	56.7	51.9
11:10 PM - 11:15 PM	53.1	58.5	53.0
11:15 PM - 11:20 PM	54.2	77.2	51.4
11:20 PM - 11:25 PM	53.3	56.5	51.3
11:25 PM - 11:30 PM	53.6	59.4	51.5
11:30 PM - 11:35 PM	53.3	55.4	51.4
11:35 PM - 11:40 PM	53.1	55.1	51.4
11:40 PM - 11:45 PM	52.9	55.0	50.7
11:45 PM - 11:50 PM	52.9	55.0	50.8
11:50 PM - 11:55 PM	52.8	54.7	50.5
11:55 PM - 12:00 AM	52.9	54.8	50.8
12:00 AM - 12:05 AM	53.1	56.0	51.3
12:05 AM - 12:10 AM	52.9	54.6	51.0
12:10 AM - 12:15 AM	52.9	55.1	51.3
12:15 AM - 12:20 AM	52.0	54.0	50.1

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Approved by
Kanokkorn Anek
Assistant General Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442511-1C8

Sample No. 2595684-14
Parameter Noise
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (จุดอ้างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 23 - 24, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	50.5	53.0	49.9
12:25 AM - 12:30 AM	50.7	53.8	49.8
12:30 AM - 12:35 AM	50.2	53.6	49.6
12:35 AM - 12:40 AM	50.5	53.1	49.8
12:40 AM - 12:45 AM	50.7	53.8	50.0
12:45 AM - 12:50 AM	50.6	57.8	49.8
12:50 AM - 12:55 AM	50.4	52.5	49.7
12:55 AM - 01:00 AM	50.4	53.6	49.8
01:00 AM - 01:05 AM	50.4	52.8	49.8
01:05 AM - 01:10 AM	51.3	53.2	50.1
01:10 AM - 01:15 AM	51.1	52.7	50.1
01:15 AM - 01:20 AM	50.8	52.6	49.9
01:20 AM - 01:25 AM	51.0	53.1	50.4
01:25 AM - 01:30 AM	51.1	53.0	50.4
01:30 AM - 01:35 AM	51.4	53.4	50.6
01:35 AM - 01:40 AM	51.4	53.5	50.6
01:40 AM - 01:45 AM	51.4	53.5	50.5
01:45 AM - 01:50 AM	51.1	53.5	49.9
01:50 AM - 01:55 AM	50.9	53.7	49.9
01:55 AM - 02:00 AM	50.7	52.6	49.5
02:00 AM - 02:05 AM	50.8	53.2	49.9
02:05 AM - 02:10 AM	50.8	52.3	50.0
02:10 AM - 02:15 AM	50.8	52.6	50.0
02:15 AM - 02:20 AM	50.8	54.5	49.9
02:20 AM - 02:25 AM	50.6	52.6	49.6
02:25 AM - 02:30 AM	50.5	53.3	49.1
02:30 AM - 02:35 AM	49.6	52.5	48.8
02:35 AM - 02:40 AM	50.2	55.1	49.1
02:40 AM - 02:45 AM	49.9	52.8	48.9
02:45 AM - 02:50 AM	49.7	52.7	48.7
02:50 AM - 02:55 AM	49.8	53.1	49.0
02:55 AM - 03:00 AM	50.2	53.2	49.0
03:00 AM - 03:05 AM	50.3	53.5	49.1
03:05 AM - 03:10 AM	50.4	53.0	49.3
03:10 AM - 03:15 AM	50.4	59.2	49.1
03:15 AM - 03:20 AM	50.1	56.6	48.9
03:20 AM - 03:25 AM	50.4	68.9	49.2
03:25 AM - 03:30 AM	50.2	52.3	49.3
03:30 AM - 03:35 AM	50.5	53.4	49.5
03:35 AM - 03:40 AM	50.3	53.0	49.1

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Approved by
Kanokkorn Anek
Assistant General Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160

P/O :
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2595684
Date Received : Oct 28, 2025
Date Reported : Nov 04, 2025
Report No. : 3442511-1C8

Sample No. 2595684-14
Parameter Noise
Location ร้านค้าภายในนิคมที่อยู่ใกล้เคียงโครงการ (จุดอ้างอิง) (GPS 47P 672338, 1576199) (Shut down)
Measurement Date Oct 23 - 24, 2025
Measurement by Keerati Taweerat
Sound Level Meter 00572609

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	49.9	52.6	49.1
03:45 AM - 03:50 AM	49.7	54.3	48.9
03:50 AM - 03:55 AM	50.5	53.7	49.1
03:55 AM - 04:00 AM	50.7	53.7	49.2
04:00 AM - 04:05 AM	50.7	56.8	49.3
04:05 AM - 04:10 AM	50.8	54.0	49.4
04:10 AM - 04:15 AM	50.7	53.8	49.5
04:15 AM - 04:20 AM	50.2	53.1	49.3
04:20 AM - 04:25 AM	49.9	52.2	49.1
04:25 AM - 04:30 AM	49.4	52.0	48.6
04:30 AM - 04:35 AM	49.2	51.4	48.6
04:35 AM - 04:40 AM	49.4	52.6	48.7
04:40 AM - 04:45 AM	49.9	54.7	48.8
04:45 AM - 04:50 AM	51.5	63.0	49.3
04:50 AM - 04:55 AM	50.9	55.7	49.5
04:55 AM - 05:00 AM	51.8	56.1	50.1
05:00 AM - 05:05 AM	52.2	56.8	50.2
05:05 AM - 05:10 AM	52.6	58.7	50.7
05:10 AM - 05:15 AM	53.2	58.0	51.1
05:15 AM - 05:20 AM	53.5	58.9	50.9
05:20 AM - 05:25 AM	53.2	56.6	50.9
05:25 AM - 05:30 AM	52.8	57.3	50.7
05:30 AM - 05:35 AM	53.0	56.5	50.7
05:35 AM - 05:40 AM	52.7	57.9	50.9
05:40 AM - 05:45 AM	53.1	66.6	50.8
05:45 AM - 05:50 AM	53.5	68.1	51.4
05:50 AM - 05:55 AM	53.4	61.2	52.1
05:55 AM - 06:00 AM	53.6	60.9	52.2
06:00 AM - 07:00 AM	53.9	67.2	51.7
07:00 AM - 08:00 AM	54.6	67.8	52.0
08:00 AM - 09:00 AM	52.0	72.6	49.9
09:00 AM - 10:00 AM	54.5	77.3	49.9

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016, ISO 1996-2 : 2017
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการระบายทาง ระดับเสียงแผ่ออก 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Assistant General Manager

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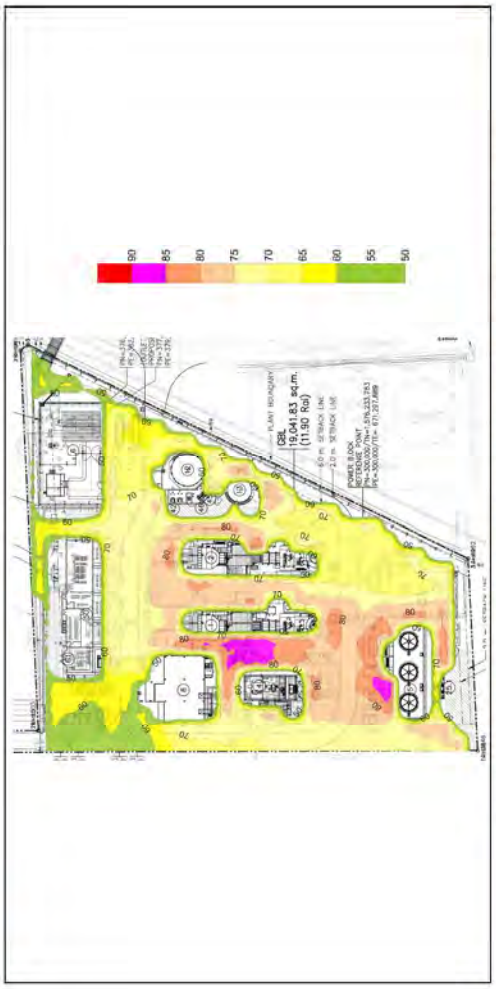
Noise Contour Map

Gulf BL Co., Ltd.
พื้นที่โรงไฟฟ้า

Reference Number : Lot 2549877-1
Measurement Date : Jun 10, 2025



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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477906-1

Sample Number 25104344-1
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	83.0	90.4	80.3
12:00 PM - 01:00 PM	80.6	88.2	80.3
01:00 PM - 02:00 PM	80.6	88.3	80.3
02:00 PM - 03:00 PM	80.5	88.3	80.3
03:00 PM - 04:00 PM	80.5	88.2	80.2
04:00 PM - 05:00 PM	80.6	88.5	80.4
05:00 PM - 06:00 PM	80.7	88.5	80.5
06:00 PM - 07:00 PM	80.7	88.4	80.6
Leq Average 8 hrs. (dB(A))	81.0		
Lmax (dB(A))		90.4	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๖๖

Technical Management
Orawan Rakyong
Scientist (3)

Approved by
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477907-1

Sample Number 25104344-2
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 PM - 08:00 PM	80.7	88.6	80.5
08:00 PM - 09:00 PM	80.6	88.7	80.4
09:00 PM - 10:00 PM	80.5	88.5	80.3
10:00 PM - 11:00 PM	80.5	88.4	80.3
11:00 PM - 12:00 AM	80.6	88.6	80.4
12:00 AM - 01:00 AM	80.6	88.7	80.5
01:00 AM - 02:00 AM	80.8	88.8	80.6
02:00 AM - 03:00 AM	80.8	88.6	80.6
Leq Average 8 hrs. (dB(A))	80.6		
Lmax (dB(A))		88.8	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477908-1

Sample Number 25104344-3
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 AM - 04:00 AM	80.8	88.7	80.7
04:00 AM - 05:00 AM	80.8	88.7	80.6
05:00 AM - 06:00 AM	80.9	88.9	80.7
06:00 AM - 07:00 AM	80.8	88.6	80.6
07:00 AM - 08:00 AM	80.7	88.4	80.6
08:00 AM - 09:00 AM	80.7	88.3	80.5
09:00 AM - 10:00 AM	80.7	88.3	80.4
10:00 AM - 11:00 AM	80.5	88.2	80.2
Leq Average 8 hrs. (dB(A))	80.7		
Lmax (dB(A))		88.9	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477909-1

Sample Number 25104344-4
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	80.5	88.5	80.1
12:00 PM - 01:00 PM	80.5	88.4	80.1
01:00 PM - 02:00 PM	80.4	88.3	80.1
02:00 PM - 03:00 PM	80.4	88.2	80.0
03:00 PM - 04:00 PM	80.3	88.4	80.0
04:00 PM - 05:00 PM	80.4	88.4	80.2
05:00 PM - 06:00 PM	80.5	88.5	80.3
06:00 PM - 07:00 PM	80.5	88.4	80.4
Leq Average 8 hrs. (dB(A))	80.4		
Lmax (dB(A))		88.5	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477910-1

Sample Number 25104344-5
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 PM - 08:00 PM	80.6	88.5	80.4
08:00 PM - 09:00 PM	80.6	88.7	80.5
09:00 PM - 10:00 PM	80.7	88.7	80.5
10:00 PM - 11:00 PM	80.7	88.7	80.6
11:00 PM - 12:00 AM	80.7	88.5	80.5
12:00 AM - 01:00 AM	80.7	88.5	80.5
01:00 AM - 02:00 AM	80.7	88.5	80.6
02:00 AM - 03:00 AM	80.7	88.4	80.6
Leq Average 8 hrs. (dB(A))	80.7		
Lmax (dB(A))		88.7	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477911-1

Sample Number 25104344-6
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 AM - 04:00 AM	80.7	88.1	80.6
04:00 AM - 05:00 AM	80.7	88.4	80.6
05:00 AM - 06:00 AM	80.8	88.2	80.6
06:00 AM - 07:00 AM	80.7	88.2	80.5
07:00 AM - 08:00 AM	80.6	88.4	80.4
08:00 AM - 09:00 AM	80.6	88.4	80.3
09:00 AM - 10:00 AM	80.6	88.3	80.3
10:00 AM - 11:00 AM	80.4	88.3	80.1
Leq Average 8 hrs. (dB(A))	80.6		
Lmax (dB(A))		88.4	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477912-1

Sample Number 25104344-7
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	80.4	89.0	80.0
12:00 PM - 01:00 PM	80.3	88.5	80.0
01:00 PM - 02:00 PM	80.3	88.2	79.9
02:00 PM - 03:00 PM	80.2	88.2	79.9
03:00 PM - 04:00 PM	80.3	88.2	79.9
04:00 PM - 05:00 PM	80.3	88.3	80.1
05:00 PM - 06:00 PM	80.3	88.3	80.1
06:00 PM - 07:00 PM	80.4	88.6	80.2
Leq Average 8 hrs. (dB(A))	80.3		
Lmax (dB(A))		89.0	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477913-1

Sample Number 25104344-8
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 PM - 08:00 PM	80.3	88.6	80.1
08:00 PM - 09:00 PM	80.3	88.5	80.1
09:00 PM - 10:00 PM	80.3	88.6	80.1
10:00 PM - 11:00 PM	80.4	88.7	80.2
11:00 PM - 12:00 AM	80.4	88.8	80.3
12:00 AM - 01:00 AM	80.4	88.7	80.2
01:00 AM - 02:00 AM	80.3	88.5	80.1
02:00 AM - 03:00 AM	80.4	88.5	80.2
Leq Average 8 hrs. (dB(A))	80.4		
Lmax (dB(A))		88.8	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477914-1

Sample Number 25104344-9
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower
Measurement Date Dec 18, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 AM - 04:00 AM	80.5	88.5	80.3
04:00 AM - 05:00 AM	80.5	88.4	80.3
05:00 AM - 06:00 AM	80.4	88.5	80.2
06:00 AM - 07:00 AM	80.5	88.3	80.3
07:00 AM - 08:00 AM	80.5	88.2	80.3
08:00 AM - 09:00 AM	80.5	88.1	80.3
09:00 AM - 10:00 AM	80.5	88.1	80.2
10:00 AM - 11:00 AM	80.4	90.9	80.1
Leq Average 8 hrs. (dB(A))	80.5		
Lmax (dB(A))		90.9	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477915-1

Sample Number	25104344-10
Parameter	Noise (Leq 8 hrs.)
Location	บริเวณ Gas Compressor
Measurement Date	Dec 15, 2025
Measurement by	Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.7	73.2	63.2
12:00 PM - 01:00 PM	63.4	68.9	63.1
01:00 PM - 02:00 PM	63.7	78.5	63.1
02:00 PM - 03:00 PM	64.5	85.8	63.3
03:00 PM - 04:00 PM	64.3	71.0	63.8
04:00 PM - 05:00 PM	64.3	72.9	63.8
05:00 PM - 06:00 PM	67.7	74.5	64.2
06:00 PM - 07:00 PM	67.1	71.5	64.8
Leq Average 8 hrs. (dB(A))	65.1		
Lmax (dB(A))		85.8	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477916-1

Sample Number	25104344-11
Parameter	Noise (Leq 8 hrs.)
Location	บริเวณ Gas Compressor
Measurement Date	Dec 15, 2025
Measurement by	Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 PM - 08:00 PM	64.5	67.2	64.0
08:00 PM - 09:00 PM	64.7	68.8	64.2
09:00 PM - 10:00 PM	63.9	65.7	63.4
10:00 PM - 11:00 PM	63.8	66.0	63.2
11:00 PM - 12:00 AM	63.8	73.2	63.2
12:00 AM - 01:00 AM	63.8	67.8	63.5
01:00 AM - 02:00 AM	64.1	68.1	63.6
02:00 AM - 03:00 AM	64.1	66.2	63.6
Leq Average 8 hrs. (dB(A))	64.1		
Lmax (dB(A))		73.2	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477917-1

Sample Number	25104344-12
Parameter	Noise (Leq 8 hrs.)
Location	บริเวณ Gas Compressor
Measurement Date	Dec 16, 2025
Measurement by	Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 AM - 04:00 AM	63.9	66.8	63.5
04:00 AM - 05:00 AM	64.0	65.8	63.5
05:00 AM - 06:00 AM	65.9	69.4	64.1
06:00 AM - 07:00 AM	66.0	71.2	63.8
07:00 AM - 08:00 AM	63.9	67.2	63.4
08:00 AM - 09:00 AM	63.6	71.5	63.2
09:00 AM - 10:00 AM	63.3	67.5	62.9
10:00 AM - 11:00 AM	63.2	69.9	62.9
Leq Average 8 hrs. (dB(A))	64.4		
Lmax (dB(A))		71.5	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477918-1

Sample Number	25104344-13
Parameter	Noise (Leq 8 hrs.)
Location	บริเวณ Gas Compressor
Measurement Date	Dec 16, 2025
Measurement by	Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.1	67.5	62.8
12:00 PM - 01:00 PM	63.5	81.1	62.8
01:00 PM - 02:00 PM	64.0	79.6	63.3
02:00 PM - 03:00 PM	64.3	81.3	63.4
03:00 PM - 04:00 PM	63.6	69.1	63.2
04:00 PM - 05:00 PM	63.5	72.9	63.1
05:00 PM - 06:00 PM	67.1	72.4	63.6
06:00 PM - 07:00 PM	66.6	70.8	64.0
Leq Average 8 hrs. (dB(A))	64.7		
Lmax (dB(A))		81.3	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
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14479-21/ EMAIL S:\Reports_Air Noise.rpt (9:24AM)

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477919-1

Sample Number 25104344-14
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Compressor
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 PM - 08:00 PM	63.7	68.1	63.3
08:00 PM - 09:00 PM	63.9	71.1	63.4
09:00 PM - 10:00 PM	64.3	69.3	63.7
10:00 PM - 11:00 PM	63.4	65.9	62.8
11:00 PM - 12:00 AM	63.4	67.4	62.6
12:00 AM - 01:00 AM	64.1	65.5	63.7
01:00 AM - 02:00 AM	64.0	71.8	63.6
02:00 AM - 03:00 AM	63.9	68.9	63.4
Leq Average 8 hrs. (dB(A))	63.8		
Lmax (dB(A))		71.8	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477920-1

Sample Number 25104344-15
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Compressor
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 AM - 04:00 AM	63.9	68.3	63.5
04:00 AM - 05:00 AM	64.1	69.3	63.6
05:00 AM - 06:00 AM	66.1	68.5	64.4
06:00 AM - 07:00 AM	66.0	71.4	63.8
07:00 AM - 08:00 AM	63.9	70.9	63.4
08:00 AM - 09:00 AM	63.9	77.9	63.3
09:00 AM - 10:00 AM	63.4	78.8	62.9
10:00 AM - 11:00 AM	63.1	67.3	62.7
Leq Average 8 hrs. (dB(A))	64.4		
Lmax (dB(A))		78.8	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477921-1

Sample Number 25104344-16
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Compressor
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.0	65.8	62.6
12:00 PM - 01:00 PM	62.7	67.9	62.3
01:00 PM - 02:00 PM	63.1	71.1	62.6
02:00 PM - 03:00 PM	63.1	67.2	62.5
03:00 PM - 04:00 PM	63.2	68.5	62.8
04:00 PM - 05:00 PM	63.5	68.7	63.0
05:00 PM - 06:00 PM	67.1	73.9	63.5
06:00 PM - 07:00 PM	66.4	73.5	64.0
Leq Average 8 hrs. (dB(A))	64.3		
Lmax (dB(A))		73.9	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477922-1

Sample Number 25104344-17
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Compressor
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 PM - 08:00 PM	64.3	69.1	63.8
08:00 PM - 09:00 PM	63.8	66.8	63.4
09:00 PM - 10:00 PM	63.9	67.2	63.5
10:00 PM - 11:00 PM	63.8	67.9	63.2
11:00 PM - 12:00 AM	63.3	67.7	62.8
12:00 AM - 01:00 AM	63.7	65.4	63.4
01:00 AM - 02:00 AM	63.7	68.0	63.3
02:00 AM - 03:00 AM	63.9	71.2	63.4
Leq Average 8 hrs. (dB(A))	63.8		
Lmax (dB(A))		71.2	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477923-1

Sample Number 25104344-18
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Compressor
Measurement Date Dec 18, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 AM - 04:00 AM	63.8	66.9	63.4
04:00 AM - 05:00 AM	64.1	69.1	63.7
05:00 AM - 06:00 AM	66.2	69.2	64.8
06:00 AM - 07:00 AM	66.5	76.6	63.9
07:00 AM - 08:00 AM	64.2	72.7	63.5
08:00 AM - 09:00 AM	64.2	72.4	63.7
09:00 AM - 10:00 AM	65.4	70.7	63.6
10:00 AM - 11:00 AM	66.1	69.5	62.4
Leq Average 8 hrs. (dB(A))	65.2		
Lmax (dB(A))		76.6	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477924-1

Sample Number 25104344-19
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Boiler Feed Pump
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	81.0	81.6	80.9
12:00 PM - 01:00 PM	80.9	81.7	80.6
01:00 PM - 02:00 PM	81.0	82.0	80.8
02:00 PM - 03:00 PM	80.9	81.4	80.8
03:00 PM - 04:00 PM	80.9	81.4	80.8
04:00 PM - 05:00 PM	80.9	81.4	80.8
05:00 PM - 06:00 PM	81.6	84.1	80.9
06:00 PM - 07:00 PM	81.8	84.9	81.1
Leq Average 8 hrs. (dB(A))	81.1		
Lmax (dB(A))		84.9	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
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Analysis / Test Report

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477925-1

Sample Number 25104344-20
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Boiler Feed Pump
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 PM - 08:00 PM	81.0	81.5	80.9
08:00 PM - 09:00 PM	81.0	81.5	80.9
09:00 PM - 10:00 PM	81.0	81.7	80.9
10:00 PM - 11:00 PM	80.9	81.4	80.8
11:00 PM - 12:00 AM	80.9	81.4	80.8
12:00 AM - 01:00 AM	80.9	81.4	80.9
01:00 AM - 02:00 AM	81.1	81.5	81.0
02:00 AM - 03:00 AM	81.1	81.5	81.0
Leq Average 8 hrs. (dB(A))	81.0		
Lmax (dB(A))		81.7	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
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Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477926-1

Sample Number 25104344-21
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Boiler Feed Pump
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 AM - 04:00 AM	81.1	81.5	81.0
04:00 AM - 05:00 AM	81.2	81.7	81.1
05:00 AM - 06:00 AM	81.3	81.8	81.2
06:00 AM - 07:00 AM	81.3	82.0	81.1
07:00 AM - 08:00 AM	81.2	81.8	81.1
08:00 AM - 09:00 AM	81.1	81.6	81.0
09:00 AM - 10:00 AM	81.1	81.8	80.9
10:00 AM - 11:00 AM	80.9	86.0	80.7
Leq Average 8 hrs. (dB(A))	81.2		
Lmax (dB(A))		86.0	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

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Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477927-1

Sample Number 25104344-22
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Boiler Feed Pump
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	80.8	81.3	80.6
12:00 PM - 01:00 PM	80.4	81.3	80.1
01:00 PM - 02:00 PM	80.5	81.2	80.3
02:00 PM - 03:00 PM	80.5	81.3	80.3
03:00 PM - 04:00 PM	80.5	81.1	80.4
04:00 PM - 05:00 PM	80.6	81.2	80.5
05:00 PM - 06:00 PM	81.3	83.9	80.6
06:00 PM - 07:00 PM	81.8	84.5	81.0
Leq Average 8 hrs. (dB(A))	80.8		
Lmax (dB(A))		84.5	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477928-1

Page 1 of 1

Sample Number 25104344-23
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Boiler Feed Pump
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 PM - 08:00 PM	81.0	81.7	80.8
08:00 PM - 09:00 PM	81.0	81.6	80.9
09:00 PM - 10:00 PM	80.8	81.3	80.7
10:00 PM - 11:00 PM	80.9	81.4	80.8
11:00 PM - 12:00 AM	80.8	81.3	80.7
12:00 AM - 01:00 AM	80.9	81.3	80.8
01:00 AM - 02:00 AM	80.8	81.2	80.7
02:00 AM - 03:00 AM	80.8	83.1	80.7
Leq Average 8 hrs. (dB(A))	80.9		
Lmax (dB(A))		83.1	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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Analysis / Test Report

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477929-1

Page 1 of 1

Sample Number 25104344-24
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Boiler Feed Pump
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 AM - 04:00 AM	80.8	81.3	80.7
04:00 AM - 05:00 AM	80.9	81.3	80.8
05:00 AM - 06:00 AM	81.0	81.7	80.9
06:00 AM - 07:00 AM	81.0	81.7	80.8
07:00 AM - 08:00 AM	80.9	81.9	80.8
08:00 AM - 09:00 AM	80.9	81.5	80.8
09:00 AM - 10:00 AM	80.9	81.5	80.7
10:00 AM - 11:00 AM	80.9	81.5	80.7
Leq Average 8 hrs. (dB(A))	80.9		
Lmax (dB(A))		81.9	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

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14479-21/ EMAIL S:\Reports_Air Noise.rpt (9:27AM)

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477930-1

Page 1 of 1

Sample Number 25104344-25
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Boiler Feed Pump
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	80.8	81.5	80.5
12:00 PM - 01:00 PM	80.4	81.2	80.1
01:00 PM - 02:00 PM	80.5	81.2	80.3
02:00 PM - 03:00 PM	80.4	81.1	80.3
03:00 PM - 04:00 PM	80.4	84.0	80.2
04:00 PM - 05:00 PM	80.5	81.2	80.3
05:00 PM - 06:00 PM	81.3	84.3	80.4
06:00 PM - 07:00 PM	81.6	84.7	80.9
Leq Average 8 hrs. (dB(A))	80.8		
Lmax (dB(A))		84.7	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477931-1

Sample Number 25104344-26
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Boiler Feed Pump
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 PM - 08:00 PM	81.0	81.9	80.8
08:00 PM - 09:00 PM	80.9	81.4	80.8
09:00 PM - 10:00 PM	81.0	81.4	80.8
10:00 PM - 11:00 PM	81.0	81.6	80.9
11:00 PM - 12:00 AM	80.8	81.3	80.7
12:00 AM - 01:00 AM	80.8	81.2	80.7
01:00 AM - 02:00 AM	80.7	81.2	80.6
02:00 AM - 03:00 AM	80.7	82.5	80.6
Leq Average 8 hrs. (dB(A))	80.9		
Lmax (dB(A))		82.5	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477932-1

Sample Number 25104344-27
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Boiler Feed Pump
Measurement Date Dec 18, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 AM - 04:00 AM	80.7	81.2	80.6
04:00 AM - 05:00 AM	80.8	81.4	80.7
05:00 AM - 06:00 AM	81.1	81.8	80.9
06:00 AM - 07:00 AM	81.1	81.8	80.9
07:00 AM - 08:00 AM	80.9	81.4	80.8
08:00 AM - 09:00 AM	80.9	81.4	80.8
09:00 AM - 10:00 AM	80.8	81.3	80.7
10:00 AM - 11:00 AM	80.9	91.7	80.7
Leq Average 8 hrs. (dB(A))	80.9		
Lmax (dB(A))		91.7	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477933-1

Sample Number 25104344-28
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 1
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	83.8	84.3	83.7
12:00 PM - 01:00 PM	83.7	84.3	83.6
01:00 PM - 02:00 PM	83.7	84.2	83.6
02:00 PM - 03:00 PM	83.6	84.2	83.5
03:00 PM - 04:00 PM	83.6	84.2	83.4
04:00 PM - 05:00 PM	83.6	84.2	83.5
05:00 PM - 06:00 PM	83.5	84.2	83.4
06:00 PM - 07:00 PM	83.3	83.9	83.2
Leq Average 8 hrs. (dB(A))	83.6		
Lmax (dB(A))		84.3	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477934-1

Sample Number 25104344-29
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 1
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 PM - 08:00 PM	83.2	84.0	82.9
08:00 PM - 09:00 PM	83.5	84.3	83.3
09:00 PM - 10:00 PM	83.6	84.3	83.3
10:00 PM - 11:00 PM	83.4	84.0	83.3
11:00 PM - 12:00 AM	83.5	84.4	83.4
12:00 AM - 01:00 AM	83.5	84.1	83.4
01:00 AM - 02:00 AM	83.5	84.0	83.4
02:00 AM - 03:00 AM	83.6	84.1	83.4
Leq Average 8 hrs. (dB(A))	83.5		
Lmax (dB(A))		84.4	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

Analysis / Test Report

Client : Gulf BL Co., Ltd.
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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477935-1

Sample Number 25104344-30
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 1
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 AM - 04:00 AM	83.6	84.1	83.5
04:00 AM - 05:00 AM	83.5	84.1	83.4
05:00 AM - 06:00 AM	87.2	90.4	84.2
06:00 AM - 07:00 AM	85.4	88.2	84.2
07:00 AM - 08:00 AM	84.0	85.0	83.8
08:00 AM - 09:00 AM	83.9	85.0	83.7
09:00 AM - 10:00 AM	84.2	86.0	83.8
10:00 AM - 11:00 AM	83.7	84.6	83.6
Leq Average 8 hrs. (dB(A))	84.6		
Lmax (dB(A))		90.4	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
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Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477936-1

Sample Number 25104344-31
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 1
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	83.7	84.2	83.6
12:00 PM - 01:00 PM	83.7	84.1	83.6
01:00 PM - 02:00 PM	83.8	84.2	83.7
02:00 PM - 03:00 PM	83.8	84.2	83.7
03:00 PM - 04:00 PM	83.7	84.2	83.5
04:00 PM - 05:00 PM	83.7	84.1	83.6
05:00 PM - 06:00 PM	83.8	84.2	83.7
06:00 PM - 07:00 PM	83.8	84.3	83.7
Leq Average 8 hrs. (dB(A))	83.8		
Lmax (dB(A))		84.3	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477937-1

Sample Number 25104344-32
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 1
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 PM - 08:00 PM	83.8	84.4	83.7
08:00 PM - 09:00 PM	83.9	84.5	83.7
09:00 PM - 10:00 PM	83.9	84.4	83.8
10:00 PM - 11:00 PM	84.0	84.6	83.9
11:00 PM - 12:00 AM	84.0	87.2	83.9
12:00 AM - 01:00 AM	84.0	84.6	83.9
01:00 AM - 02:00 AM	84.1	84.6	84.0
02:00 AM - 03:00 AM	84.1	84.7	84.0
Leq Average 8 hrs. (dB(A))	84.0		
Lmax (dB(A))		87.2	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
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Analysis / Test Report

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477938-1

Sample Number 25104344-33
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 1
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 AM - 04:00 AM	84.1	84.9	83.9
04:00 AM - 05:00 AM	84.2	85.8	84.0
05:00 AM - 06:00 AM	84.4	85.5	84.2
06:00 AM - 07:00 AM	84.4	85.5	84.1
07:00 AM - 08:00 AM	83.9	84.4	83.8
08:00 AM - 09:00 AM	84.0	84.4	83.8
09:00 AM - 10:00 AM	84.0	84.5	83.9
10:00 AM - 11:00 AM	84.0	84.5	83.8
Leq Average 8 hrs. (dB(A))	84.1		
Lmax (dB(A))		85.8	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477939-1

Sample Number 25104344-34
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 1
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	84.0	84.7	83.8
12:00 PM - 01:00 PM	83.9	84.5	83.7
01:00 PM - 02:00 PM	83.7	84.2	83.6
02:00 PM - 03:00 PM	83.7	84.3	83.5
03:00 PM - 04:00 PM	83.6	84.0	83.5
04:00 PM - 05:00 PM	83.5	84.1	83.4
05:00 PM - 06:00 PM	83.6	84.2	83.4
06:00 PM - 07:00 PM	84.3	86.0	83.6
Leq Average 8 hrs. (dB(A))	83.8		
Lmax (dB(A))		86.0	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันตรายในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477940-1

Sample Number 25104344-35
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 1
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 PM - 08:00 PM	84.4	85.1	84.3
08:00 PM - 09:00 PM	84.4	85.3	84.3
09:00 PM - 10:00 PM	84.3	84.8	84.2
10:00 PM - 11:00 PM	84.4	85.0	84.2
11:00 PM - 12:00 AM	83.8	84.4	83.6
12:00 AM - 01:00 AM	84.4	86.2	83.8
01:00 AM - 02:00 AM	83.7	84.1	83.6
02:00 AM - 03:00 AM	83.8	84.3	83.6
Leq Average 8 hrs. (dB(A))	84.2		
Lmax (dB(A))		86.2	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันตรายในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

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14479-21/ EMAIL S:\Reports_Air Noise.rpt (9:45AM)

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477941-1

Sample Number 25104344-36
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 1
Measurement Date Dec 18, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 AM - 04:00 AM	84.7	87.6	83.7
04:00 AM - 05:00 AM	83.6	84.8	83.4
05:00 AM - 06:00 AM	83.3	84.4	83.0
06:00 AM - 07:00 AM	83.7	84.2	83.5
07:00 AM - 08:00 AM	84.9	88.6	83.1
08:00 AM - 09:00 AM	83.7	84.8	83.5
09:00 AM - 10:00 AM	84.8	85.7	84.5
10:00 AM - 11:00 AM	84.8	85.5	84.5
Leq Average 8 hrs. (dB(A))	84.2		
Lmax (dB(A))		88.6	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันตรายในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477942-1

Sample Number 25104344-37
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 2
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	75.3	77.2	74.8
12:00 PM - 01:00 PM	74.7	78.1	74.2
01:00 PM - 02:00 PM	76.3	78.9	75.5
02:00 PM - 03:00 PM	76.7	78.8	75.9
03:00 PM - 04:00 PM	76.9	79.2	76.1
04:00 PM - 05:00 PM	77.5	80.1	76.8
05:00 PM - 06:00 PM	83.1	89.5	76.8
06:00 PM - 07:00 PM	82.1	88.2	77.7
Leq Average 8 hrs. (dB(A))	78.9		
Lmax (dB(A))		89.5	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันตรายในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477943-1

Sample Number 25104344-38
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 2
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 PM - 08:00 PM	77.5	79.9	76.7
08:00 PM - 09:00 PM	78.4	80.9	77.4
09:00 PM - 10:00 PM	77.4	83.3	76.6
10:00 PM - 11:00 PM	76.6	78.7	75.2
11:00 PM - 12:00 AM	75.6	77.5	75.3
12:00 AM - 01:00 AM	75.5	77.5	75.1
01:00 AM - 02:00 AM	75.8	78.5	75.3
02:00 AM - 03:00 AM	76.2	77.7	75.6
Leq Average 8 hrs. (dB(A))	76.7		
Lmax (dB(A))		83.3	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477944-1

Sample Number 25104344-39
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 2
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 AM - 04:00 AM	76.4	79.5	75.9
04:00 AM - 05:00 AM	77.2	80.0	76.6
05:00 AM - 06:00 AM	78.9	81.4	77.9
06:00 AM - 07:00 AM	77.5	80.7	75.7
07:00 AM - 08:00 AM	76.0	77.5	75.4
08:00 AM - 09:00 AM	75.7	77.6	75.3
09:00 AM - 10:00 AM	75.8	77.9	75.2
10:00 AM - 11:00 AM	75.7	78.0	75.1
Leq Average 8 hrs. (dB(A))	76.8		
Lmax (dB(A))		81.4	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477945-1

Sample Number 25104344-40
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 2
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	77.5	80.6	76.6
12:00 PM - 01:00 PM	76.9	79.0	76.4
01:00 PM - 02:00 PM	76.6	78.9	76.1
02:00 PM - 03:00 PM	76.9	80.1	76.4
03:00 PM - 04:00 PM	77.0	79.1	76.3
04:00 PM - 05:00 PM	77.1	79.3	76.5
05:00 PM - 06:00 PM	76.1	78.7	75.3
06:00 PM - 07:00 PM	76.2	78.2	75.6
Leq Average 8 hrs. (dB(A))	76.8		
Lmax (dB(A))		80.6	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477946-1

Sample Number 25104344-41
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 2
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 PM - 08:00 PM	76.3	78.6	75.8
08:00 PM - 09:00 PM	76.3	78.3	75.9
09:00 PM - 10:00 PM	76.2	78.3	75.7
10:00 PM - 11:00 PM	76.2	79.2	75.5
11:00 PM - 12:00 AM	76.0	78.1	75.5
12:00 AM - 01:00 AM	75.9	77.6	75.6
01:00 AM - 02:00 AM	76.2	87.1	75.6
02:00 AM - 03:00 AM	75.9	77.7	75.5
Leq Average 8 hrs. (dB(A))	76.1		
Lmax (dB(A))		87.1	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477947-1

Sample Number 25104344-42
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 2
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 AM - 04:00 AM	76.1	77.8	75.7
04:00 AM - 05:00 AM	76.5	79.0	76.0
05:00 AM - 06:00 AM	77.4	80.1	76.5
06:00 AM - 07:00 AM	78.9	81.5	78.2
07:00 AM - 08:00 AM	79.4	81.9	78.7
08:00 AM - 09:00 AM	77.8	80.6	76.1
09:00 AM - 10:00 AM	75.8	77.4	75.3
10:00 AM - 11:00 AM	76.0	77.6	75.5
Leq Average 8 hrs. (dB(A))	77.4		
Lmax (dB(A))		81.9	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477948-1

Page 1 of 1

Sample Number 25104344-43
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 2
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	76.0	78.3	75.5
12:00 PM - 01:00 PM	76.0	78.0	75.6
01:00 PM - 02:00 PM	76.0	78.4	75.6
02:00 PM - 03:00 PM	76.1	78.4	75.6
03:00 PM - 04:00 PM	76.3	78.4	75.7
04:00 PM - 05:00 PM	76.0	78.6	75.4
05:00 PM - 06:00 PM	77.0	80.5	75.8
06:00 PM - 07:00 PM	76.0	77.7	75.5
Leq Average 8 hrs. (dB(A))	76.2		
Lmax (dB(A))		80.5	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
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Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477949-1

Page 1 of 1

Sample Number 25104344-44
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 2
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 PM - 08:00 PM	76.3	78.5	75.8
08:00 PM - 09:00 PM	76.3	78.7	75.8
09:00 PM - 10:00 PM	76.6	79.4	75.9
10:00 PM - 11:00 PM	76.6	78.7	75.9
11:00 PM - 12:00 AM	76.2	79.1	75.6
12:00 AM - 01:00 AM	76.5	78.6	75.8
01:00 AM - 02:00 AM	76.7	78.8	76.1
02:00 AM - 03:00 AM	76.8	79.3	76.1
Leq Average 8 hrs. (dB(A))	76.5		
Lmax (dB(A))		79.4	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

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Approved by Supot S. — Supot Salamteh, Section Head

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477950-1

Page 1 of 1

Sample Number 25104344-45
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 2
Measurement Date Dec 18, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 AM - 04:00 AM	77.2	79.2	76.6
04:00 AM - 05:00 AM	77.6	79.2	76.8
05:00 AM - 06:00 AM	75.8	77.6	75.4
06:00 AM - 07:00 AM	75.8	77.9	75.3
07:00 AM - 08:00 AM	75.7	78.0	75.2
08:00 AM - 09:00 AM	75.4	77.4	75.0
09:00 AM - 10:00 AM	75.5	77.7	75.1
10:00 AM - 11:00 AM	75.3	77.1	74.9
Leq Average 8 hrs. (dB(A))	76.1		
Lmax (dB(A))		79.2	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477951-1

Sample Number 25104344-46
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Steam Turbine
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	77.4	79.3	77.2
12:00 PM - 01:00 PM	77.1	79.0	76.9
01:00 PM - 02:00 PM	77.2	78.6	77.1
02:00 PM - 03:00 PM	77.2	77.9	77.1
03:00 PM - 04:00 PM	77.2	78.3	77.1
04:00 PM - 05:00 PM	77.2	77.8	77.1
05:00 PM - 06:00 PM	78.2	81.0	77.2
06:00 PM - 07:00 PM	78.3	81.4	77.5
Leq Average 8 hrs. (dB(A))	77.5		
Lmax (dB(A))		81.4	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477952-1

Sample Number 25104344-47
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Steam Turbine
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 PM - 08:00 PM	77.5	78.2	77.4
08:00 PM - 09:00 PM	77.5	78.1	77.4
09:00 PM - 10:00 PM	77.5	78.0	77.4
10:00 PM - 11:00 PM	77.6	78.3	77.5
11:00 PM - 12:00 AM	77.7	78.3	77.5
12:00 AM - 01:00 AM	77.6	78.2	77.5
01:00 AM - 02:00 AM	77.4	78.1	77.0
02:00 AM - 03:00 AM	77.4	78.1	76.9
Leq Average 8 hrs. (dB(A))	77.5		
Lmax (dB(A))		78.3	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477953-1

Sample Number 25104344-48
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Steam Turbine
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 AM - 04:00 AM	77.2	78.1	77.0
04:00 AM - 05:00 AM	77.6	78.3	77.1
05:00 AM - 06:00 AM	77.4	78.5	77.2
06:00 AM - 07:00 AM	77.8	78.8	77.2
07:00 AM - 08:00 AM	77.5	79.4	77.1
08:00 AM - 09:00 AM	77.7	78.4	77.5
09:00 AM - 10:00 AM	77.5	78.5	77.4
10:00 AM - 11:00 AM	77.3	81.4	77.1
Leq Average 8 hrs. (dB(A))	77.5		
Lmax (dB(A))		81.4	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477954-1

Sample Number 25104344-49
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Steam Turbine
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	77.0	77.5	76.9
12:00 PM - 01:00 PM	76.9	77.6	76.7
01:00 PM - 02:00 PM	76.9	77.6	76.7
02:00 PM - 03:00 PM	76.9	77.5	76.8
03:00 PM - 04:00 PM	76.9	78.2	76.8
04:00 PM - 05:00 PM	77.0	77.5	76.8
05:00 PM - 06:00 PM	77.8	80.7	76.9
06:00 PM - 07:00 PM	78.0	80.7	77.3
Leq Average 8 hrs. (dB(A))	77.2		
Lmax (dB(A))		80.7	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477955-1

Sample Number 25104344-50
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Steam Turbine
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 PM - 08:00 PM	77.3	78.9	77.2
08:00 PM - 09:00 PM	77.4	78.1	77.2
09:00 PM - 10:00 PM	77.3	77.9	77.2
10:00 PM - 11:00 PM	77.4	77.9	77.2
11:00 PM - 12:00 AM	77.3	77.9	77.2
12:00 AM - 01:00 AM	77.3	77.9	77.2
01:00 AM - 02:00 AM	77.4	77.9	77.2
02:00 AM - 03:00 AM	77.3	79.8	76.9
Leq Average 8 hrs. (dB(A))	77.3		
Lmax (dB(A))		79.8	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477956-1

Sample Number 25104344-51
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Steam Turbine
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 AM - 04:00 AM	77.1	78.0	76.7
04:00 AM - 05:00 AM	77.2	78.0	76.8
05:00 AM - 06:00 AM	77.3	78.2	76.8
06:00 AM - 07:00 AM	77.2	79.4	76.7
07:00 AM - 08:00 AM	77.5	78.6	77.0
08:00 AM - 09:00 AM	77.3	78.5	76.8
09:00 AM - 10:00 AM	76.8	77.7	76.7
10:00 AM - 11:00 AM	76.8	77.3	76.6
Leq Average 8 hrs. (dB(A))	77.2		
Lmax (dB(A))		79.4	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477957-1

Sample Number 25104344-52
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Steam Turbine
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	76.6	77.3	76.5
12:00 PM - 01:00 PM	76.4	77.1	76.2
01:00 PM - 02:00 PM	76.5	77.9	76.4
02:00 PM - 03:00 PM	76.5	77.1	76.4
03:00 PM - 04:00 PM	76.6	85.7	76.4
04:00 PM - 05:00 PM	76.6	77.9	76.5
05:00 PM - 06:00 PM	77.6	80.3	76.5
06:00 PM - 07:00 PM	77.5	80.6	76.8
Leq Average 8 hrs. (dB(A))	76.8		
Lmax (dB(A))		85.7	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477958-1

Sample Number 25104344-53
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Steam Turbine
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 PM - 08:00 PM	76.9	77.8	76.7
08:00 PM - 09:00 PM	76.8	77.4	76.7
09:00 PM - 10:00 PM	77.1	77.7	76.9
10:00 PM - 11:00 PM	77.0	77.6	76.9
11:00 PM - 12:00 AM	77.0	77.4	76.8
12:00 AM - 01:00 AM	76.9	77.5	76.8
01:00 AM - 02:00 AM	76.9	77.4	76.8
02:00 AM - 03:00 AM	76.9	78.8	76.8
Leq Average 8 hrs. (dB(A))	76.9		
Lmax (dB(A))		78.8	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477959-1

Sample Number	25104344-54
Parameter	Noise (Leq 8 hrs.)
Location	บริเวณ Steam Turbine
Measurement Date	Dec 18, 2025
Measurement by	Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 AM - 04:00 AM	76.5	77.4	76.1
04:00 AM - 05:00 AM	77.0	77.6	76.8
05:00 AM - 06:00 AM	76.6	77.7	76.2
06:00 AM - 07:00 AM	77.0	77.9	76.5
07:00 AM - 08:00 AM	76.4	77.5	76.1
08:00 AM - 09:00 AM	76.9	77.4	76.8
09:00 AM - 10:00 AM	76.9	77.4	76.7
10:00 AM - 11:00 AM	76.8	80.4	76.7
Leq Average 8 hrs. (dB(A))	76.8		
Lmax (dB(A))		80.4	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R.
Orawan Rakyong
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2560541
Date Received : Jul 01, 2025
Date Reported : Jul 09, 2025
Report Number : 3342754-1

Sample Number	2560541-1
Sampled Date	Jul 01, 2025 8:50 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	Jul 02, 2025
Condition of Sample	Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
pH at 25 degree C		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Bangkok
Temperature *	Degree C	-	-	32.2	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	2640	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Attipon Yaso ทะเบียนเลขที่ ว-204-ส-0059

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

Technical Management Siriluk P.
Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ว-204-ส-0013

Approved by Kanokkorn A.
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ส-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2560541
Date Received : Jul 01, 2025
Date Reported : Jul 09, 2025
Report Number : 3342754-2

Sample Number	2560541-1
Sampled Date	Jul 01, 2025 8:50 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	Jul 02, 2025
Condition of Sample	Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mmol/L	0.002	0.004	7.63	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mmol/L	0.002	0.004	3.20	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR	-	-	0.10	4.40	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mmol/L	0.002	0.004	14.5	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Volatile Organics Compounds							
Bromodichloromethane	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Bromoform	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Chloroform	mg/L	0.0002	0.0005	0.002	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Dibromochloromethane	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Total Trihalomethane	mg/L	0.0002	0.001	0.002	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Water Testing							

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by Sawitree N.
Sawitree Noisangarn
Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2560541
Date Received : Jul 01, 2025
Date Reported : Jul 09, 2025
Report Number : 3342754-2

Sample Number	2560541-1
Sampled Date	Jul 01, 2025 8:50 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	Jul 02, 2025
Condition of Sample	Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen (on site)	mg/L	-	0.1	6.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Attipon Yaso

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by Sawitree N.
Sawitree Noisangarn
Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2560542
Date Received : Jul 01, 2025
Date Reported : Jul 08, 2025
Report Number : 3342756-1

Sample Number	2560542-1
Sampled Date	Jul 01, 2025 8:45 AM
Sample Description	Wastewater
Location	บ่อพักน้ำทิ้งรวม
Date Analysis Commenced	Jul 02, 2025
Condition of Sample	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	2.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.4	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	608	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Attipon Yaso ทะเบียนเลขที่ ว-204-ง-0059

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

Technical Management Suwimon C.
Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-ง-0018

Approved by Kanokkorn Anek.
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ง-0004

Results apply to the sample(s) as submitted. Unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2563407
Date Received : Aug 04, 2025
Date Reported : Aug 13, 2025
Report Number : 3349777-1

Sample Number	2563407-1
Sampled Date	Aug 04, 2025 11:45 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	Aug 05, 2025
Condition of Sample	Contained in two vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
pH at 25 degree C	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Bangkok
Temperature *	Degree C	-	-	32.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	2400	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Attipon Yaso ทะเบียนเลขที่ ว-204-ง-0059

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

Technical Management Suwimon C.
Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-ง-0018

Approved by Kanokkorn Anek.
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ง-0004

Results apply to the sample(s) as submitted. Unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2563407
Date Received : Aug 04, 2025
Date Reported : Aug 13, 2025
Report Number : 3349777-2

Sample Number	2563407-1
Sampled Date	Aug 04, 2025 11:45 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	Aug 05, 2025
Condition of Sample	Contained in two vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mmol/L	0.002	0.004	8.07	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mmol/L	0.002	0.004	2.60	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR	-	-	0.10	3.67	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mmol/L	0.002	0.004	12.0	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Volatile Organics Compounds							
Bromodichloromethane	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Bromoform	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Chloroform	mg/L	0.0002	0.0005	0.002	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Dibromochloromethane	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Total Trihalomethane	mg/L	0.0002	0.001	0.002	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Water Testing							

Results apply to the sample(s) as submitted. Unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by Sawitree N.
Sawitree Noisangarm
Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2563407
Date Received : Aug 04, 2025
Date Reported : Aug 13, 2025
Report Number : 3349777-2

Sample Number	2563407-1
Sampled Date	Aug 04, 2025 11:45 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	Aug 05, 2025
Condition of Sample	Contained in two vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen (on site)	mg/L	-	0.1	6.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Attipon Yaso

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

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Approved by Sawitree N.
Sawitree Noisangarm
Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2563408
Date Received : Aug 04, 2025
Date Reported : Aug 11, 2025
Report Number : 3349780-1

Sample Number	2563408-1
Sampled Date	Aug 04, 2025 11:40 AM
Sample Description	Wastewater
Location	บ่อพักน้ำทิ้งรวม
Date Analysis Commenced	Aug 05, 2025
Condition of Sample	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	2.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	736	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Attipon Yaso ทะเบียนเลขที่ ว-204-ง-0059

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

Technical Management Suwimon C.
Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-ง-0018

Approved by Kanokkorn Anek.
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ง-0004

Results apply to the sample(s) as submitted. Unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2577437
Date Received : Sep 01, 2025
Date Reported : Sep 09, 2025
Report Number : 3385593-1

Sample Number	2577437-1
Sampled Date	Sep 01, 2025 9:30 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	Sep 02, 2025
Condition of Sample	Drawn into three plastic bottles and two vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
pH at 25 degree C	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Bangkok
Temperature *	Degree C	-	-	31.9	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	2300	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Attipon Yaso ทะเบียนเลขที่ ว-204-ง-0059

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

Technical Management Suwimon C.
Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-ง-0018

Approved by Kanokkorn Anek.
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ง-0004

Results apply to the sample(s) as submitted. Unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2577437
Date Received : Sep 01, 2025
Date Reported : Sep 09, 2025
Report Number : 3385593-2

Sample Number	2577437-1
Sampled Date	Sep 01, 2025 9:30 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	Sep 02, 2025
Condition of Sample	Drawn into three plastic bottles and two vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mmol/L	0.002	0.004	9.70	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mmol/L	0.002	0.004	2.57	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR	-	-	0.10	3.54	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mmol/L	0.002	0.004	12.4	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Volatile Organics Compounds							
Bromodichloromethane	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Bromoform	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Chloroform	mg/L	0.0002	0.0005	0.006	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Dibromochloromethane	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Total Trihalomethane	mg/L	0.0002	0.001	0.006	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Water Testing							

Approved by Sawitree N.
Sawitree Noisangarn
Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2577437
Date Received : Sep 01, 2025
Date Reported : Sep 09, 2025
Report Number : 3385593-2

Sample Number	2577437-1
Sampled Date	Sep 01, 2025 9:30 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	Sep 02, 2025
Condition of Sample	Drawn into three plastic bottles and two vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen (on site)	mg/L	-	0.1	5.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Attipon Yaso

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

Approved by Sawitree N.
Sawitree Noisangarn
Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2577438
Date Received : Sep 01, 2025
Date Reported : Sep 08, 2025
Report Number : 3385600-1

Sample Number	2577438-1
Sampled Date	Sep 01, 2025 9:20 AM
Sample Description	Wastewater
Location	บ่อพักน้ำทิ้งรวม
Date Analysis Commenced	Sep 02, 2025
Condition of Sample	Contained in two plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.9	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	720	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Attipon Yaso ทะเบียนเลขที่ ว-204-ง-0059

Remark :
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management
Nanthawadee Somboon
Specialist 2
ทะเบียนเลขที่ ว-204-ง-0010

Approved by
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ง-0004

Results apply to the sample(s) as submitted. Unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2586708
Date Received : Oct 02, 2025
Date Reported : Oct 10, 2025
Report Number : 3406507-1

Sample Number	2586708-1
Sampled Date	Oct 02, 2025 9:15 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	Oct 03, 2025
Condition of Sample	Contained in three plastic bottles and two vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
pH at 25 degree C	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Bangkok
Temperature *	Degree C	-	-	32.5	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	2508	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Attipon Yaso ทะเบียนเลขที่ ว-204-ง-0059

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

Technical Management
Suwimon Charuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-ง-0018

Approved by
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ง-0004

Results apply to the sample(s) as submitted. Unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2586708
Date Received : Oct 02, 2025
Date Reported : Oct 10, 2025
Report Number : 3406507-2

Sample Number	2586708-1
Sampled Date	Oct 02, 2025 9:15 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	Oct 03, 2025
Condition of Sample	Contained in three plastic bottles and two vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mmol/L	0.002	0.004	8.73	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mmol/L	0.002	0.004	2.77	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR	-	-	0.10	3.67	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mmol/L	0.002	0.004	12.4	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Volatile Organics Compounds							
Bromodichloromethane	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Bromoform	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Chloroform	mg/L	0.0002	0.0005	0.003	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Dibromochloromethane	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Total Trihalomethane	mg/L	0.0002	0.001	0.003	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Water Testing							

Results apply to the sample(s) as submitted. Unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by
Sawitree Noisangarn
Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2586708
Date Received : Oct 02, 2025
Date Reported : Oct 10, 2025
Report Number : 3406507-2

Sample Number	2586708-1
Sampled Date	Oct 02, 2025 9:15 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	Oct 03, 2025
Condition of Sample	Contained in three plastic bottles and two vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen (on site)	mg/L	-	0.1	6.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Attipon Yaso

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

Results apply to the sample(s) as submitted. Unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by
Sawitree Noisangarn
Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2586709
Date Received : Oct 02, 2025
Date Reported : Oct 09, 2025
Report Number : 3406508-1

Sample Number	2586709-1
Sampled Date	Oct 02, 2025 9:00 AM
Sample Description	Wastewater
Location	บ่อพักน้ำทิ้งรวม
Date Analysis Commenced	Oct 03, 2025
Condition of Sample	Contained in two plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	6.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	900	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Attipon Yaso ทะเบียนเลขที่ ว-204-ง-0059

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

Technical Management Suwimon C.
Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-ง-0018

Approved by Kanokkorn Anek.
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ง-0004

Results apply to the sample(s) as submitted. Unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2598478
Date Received : Nov 03, 2025
Date Reported : Nov 11, 2025
Report Number : 3434836-1

Sample Number	2598478-1
Sampled Date	Nov 03, 2025 9:10 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	Nov 04, 2025
Condition of Sample	Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
pH at 25 degree C	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Bangkok
Temperature *	Degree C	-	-	32.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	2432	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Attipon Yaso ทะเบียนเลขที่ ว-204-ง-0059

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

Technical Management Siriluk P.
Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ว-204-ง-0013

Approved by Kanokkorn Anek.
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ง-0004

Results apply to the sample(s) as submitted. Unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2598478
Date Received : Nov 03, 2025
Date Reported : Nov 11, 2025
Report Number : 3434836-2

Sample Number	2598478-1
Sampled Date	Nov 03, 2025 9:10 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	Nov 04, 2025
Condition of Sample	Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mmol/L	0.002	0.004	7.91	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mmol/L	0.002	0.004	2.66	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR	-	-	0.10	3.81	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mmol/L	0.002	0.004	12.4	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Volatile Organics Compounds							
Bromodichloromethane	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Bromoform	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Chloroform	mg/L	0.0002	0.0005	0.005	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Dibromochloromethane	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Total Trihalomethane	mg/L	0.0002	0.001	0.005	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Water Testing							

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Approved by Sawitree N.
Sawitree Noisangjarn
Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2598478
Date Received : Nov 03, 2025
Date Reported : Nov 11, 2025
Report Number : 3434836-2

Sample Number	2598478-1
Sampled Date	Nov 03, 2025 9:10 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	Nov 04, 2025
Condition of Sample	Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen (on site)	mg/L	-	0.1	5.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Attipon Yaso

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

Results apply to the sample(s) as submitted. Unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by Sawitree N.
Sawitree Noisangjarn
Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2598479
Date Received : Nov 03, 2025
Date Reported : Nov 10, 2025
Report Number : 3434837-1

Sample Number	2598479-1
Sampled Date	Nov 03, 2025 9:00 AM
Sample Description	Wastewater
Location	บ่อพักน้ำทิ้งรวม
Date Analysis Commenced	Nov 04, 2025
Condition of Sample	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	3.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	892	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Attipon Yaso ทะเบียนเลขที่ ว-204-ง-0059

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

Technical Management — Siriluk Bunnak, Section Head, ทะเบียนเลขที่ ว-204-ง-0013

Approved by — Kanoklorn Anek, Assistant General Manager, ทะเบียนเลขที่ ว-204-ง-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 25104356
Date Received : Dec 01, 2025
Date Reported : Dec 11, 2025
Report Number : 3449294-1

Sample Number	25104356-1
Sampled Date	Dec 01, 2025 10:55 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	Dec 02, 2025
Condition of Sample	Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
pH at 25 degree C		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Bangkok
Temperature *	Degree C	-	-	28.5	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	2324	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Attipon Yaso ทะเบียนเลขที่ ว-204-ง-0059

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

Technical Management — Suwimon Chairuangwut, Scientist (3), ทะเบียนเลขที่ ว-204-ง-0018

Approved by — Kanoklorn Anek, Assistant General Manager, ทะเบียนเลขที่ ว-204-ง-0004

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 25104356
Date Received : Dec 01, 2025
Date Reported : Dec 11, 2025
Report Number : 3449294-2

Sample Number	25104356-1
Sampled Date	Dec 01, 2025 10:55 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	Dec 02, 2025
Condition of Sample	Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mmol/L	0.002	0.004	7.85	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mmol/L	0.002	0.004	2.68	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR		-	0.10	3.84	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mmol/L	0.002	0.004	12.5	No Standard	In-house method : STM 65-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Volatile Organics Compounds							
Bromodichloromethane	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Bromoform	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Chloroform	mg/L	0.0002	0.0005	0.009	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Dibromochloromethane	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Total Trihalomethane	mg/L	0.0002	0.001	0.009	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Water Testing							

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by — Sawitree Noisangjarn, Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 25104356
Date Received : Dec 01, 2025
Date Reported : Dec 11, 2025
Report Number : 3449294-2

Sample Number	25104356-1
Sampled Date	Dec 01, 2025 10:55 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	Dec 02, 2025
Condition of Sample	Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen (on site)	mg/L	-	0.1	4.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Attipon Yaso

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by — Sawitree Noisangjarn, Manager

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

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 25104358
Date Received : Dec 01, 2025
Date Reported : Dec 09, 2025
Report Number : 3449296-1

Sample Number	25104358-1
Sampled Date	Dec 01, 2025 10:50 AM
Sample Description	Wastewater
Location	บ่อพักน้ำทิ้งรวม
Date Analysis Commenced	Dec 02, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.4	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1100	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Attipon Yaso ทะเบียนเลขที่ ว-204-ส-0059

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

Technical Management Suwimon C.
Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-ส-0018

Approved by Kanokkorn Anek
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ส-0004

Results apply to the sample(s) as submitted. Unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2542735
Date Received : May 08, 2025
Date Reported : May 17, 2025
Report Number : 3299599-1

Sample Number	2542735-1
Sampled Date	May 08, 2025 9:50 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in three amber glass bottles, four glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.009	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.42	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Chromium	mg/L	0.0003	0.0005	0.0009	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.20	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	<0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.02	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Technical Management Chanatt L.
Chanattagarn Imchoen
Section Head
ทะเบียนเลขที่ ว-204-ส-0008

Approved by Kanokkorn Anek
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ส-0004

Results apply to the sample(s) as submitted. Unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2542735
Date Received : May 08, 2025
Date Reported : May 17, 2025
Report Number : 3299599-1

Sample Number	2542735-1
Sampled Date	May 08, 2025 9:50 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in three amber glass bottles, four glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.007	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	0.0006	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.12	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Pesticides - Organochlorine Group							
2,4-DDD *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
2,4-DDE *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

Technical Management Chanatt L.
Chanattagarn Imchoen
Section Head
ทะเบียนเลขที่ ว-204-ส-0008

Approved by Kanokkorn Anek
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ส-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2542735
Date Received : May 08, 2025
Date Reported : May 17, 2025
Report Number : 3299599-1

Sample Number	2542735-1
Sampled Date	May 08, 2025 9:50 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in three amber glass bottles, four glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
2,4-DDT *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
4,4-DDD *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
4,4-DDE *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
4,4-DDT *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Aldrin *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
alpha-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
beta-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

Technical Management Chanatt L.
Chanattagarn Imchoen
Section Head
ทะเบียนเลขที่ ว-204-ส-0008

Approved by Kanokkorn Anek
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ส-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2542735
Date Received : May 08, 2025
Date Reported : May 17, 2025
Report Number : 3299599-1

Sample Number	2542735-1
Sampled Date	May 08, 2025 9:50 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in three amber glass bottles, four glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
Chlordane *	ug/L	0.02	0.04	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
delta-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Dieldrin *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Endosulfan I *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Endosulfan II *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Endrin *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Heptachlor *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

Technical Management Chanattagarn Imchoen, Section Head, ทะเบียนเลขที่ ว-204-ส-0008

Approved by Kanokkorn Anek, Assistant General Manager, ทะเบียนเลขที่ ว-204-ส-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2542735
Date Received : May 08, 2025
Date Reported : May 17, 2025
Report Number : 3299599-1

Sample Number	2542735-1
Sampled Date	May 08, 2025 9:50 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in three amber glass bottles, four glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
Heptachlor Epoxide *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Lindane (gamma-BHC) *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Methoxychlor *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	3.2	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	66	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Color (at Original pH)	ADMI	-	5	22	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Bangkok
Color (at pH 7.0)	ADMI	-	5	34	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Bangkok
Cyanide as CN	mg/L	0.002	0.005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - CN (C, E)	Bangkok

Technical Management Chanattagarn Imchoen, Section Head, ทะเบียนเลขที่ ว-204-ส-0008

Approved by Kanokkorn Anek, Assistant General Manager, ทะเบียนเลขที่ ว-204-ส-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2542735
Date Received : May 08, 2025
Date Reported : May 17, 2025
Report Number : 3299599-1

Sample Number	2542735-1
Sampled Date	May 08, 2025 9:50 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in three amber glass bottles, four glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Formaldehyde	mg/L	0.03	0.1	Not Detected	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Phenol	mg/L	0.0005	0.001	Not Detected	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Bangkok
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Bangkok
Temperature *	Degree C	-	-	33.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	2764	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	1.8	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Technical Management Chanattagarn Imchoen, Section Head, ทะเบียนเลขที่ ว-204-ส-0008

Approved by Kanokkorn Anek, Assistant General Manager, ทะเบียนเลขที่ ว-204-ส-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2542735
Date Received : May 08, 2025
Date Reported : May 17, 2025
Report Number : 3299599-1

Sample Number	2542735-1
Sampled Date	May 08, 2025 9:50 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in three amber glass bottles, four glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Attipon Yaso ทะเบียนเลขที่ ว-204-ส-0059

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

Technical Management Chanattagarn Imchoen, Section Head, ทะเบียนเลขที่ ว-204-ส-0008

Approved by Kanokkorn Anek, Assistant General Manager, ทะเบียนเลขที่ ว-204-ส-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2542735
Date Received : May 08, 2025
Date Reported : May 17, 2025
Report Number : 3299599-2

Sample Number	2542735-1
Sampled Date	May 08, 2025 9:50 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in three amber glass bottles, four glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium *	mmol/L	0.002	0.004	8.30	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium *	mmol/L	0.002	0.004	2.71	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *	-	-	0.10	4.36	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium *	mmol/L	0.002	0.004	14.5	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Pesticides - Organochlorine Group							
alpha-Chlordane *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
gamma-Chlordane *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Hexachlorobenzene *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Mirex *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Volatile Organics Compounds							

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Chanattagarn Imchom
Section Head

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2542735
Date Received : May 08, 2025
Date Reported : May 17, 2025
Report Number : 3299599-2

Sample Number	2542735-1
Sampled Date	May 08, 2025 9:50 AM
Sample Description	Wastewater
Location	บ่อพักน้ำหล่อเย็นที่ 2 หรือ 3 (ขึ้นอยู่กับว่ามีน้ำทิ้งในบ่อพักใด)
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in three amber glass bottles, four glass vials and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds							
Bromodichloromethane *	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Bromoform *	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Chloroform *	mg/L	0.0002	0.0005	0.002	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Dibromochloromethane *	mg/L	0.0002	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Total Trihalomethane *	mg/L	0.0002	0.001	0.002	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Water Testing							
Dissolved Oxygen (on site) *	mg/L	-	0.1	6.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Bangkok
Odour *	-	-	-	Odourless	No Standard	In-house method : SIM 04-025 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2150 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Aittipon Yaso

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

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Section Head

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2542735
Date Received : May 08, 2025
Date Reported : May 17, 2025
Report Number : 3299599-2

- Sampling is not included in scope of accreditation ISO/IEC 17025

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2542738
Date Received : May 08, 2025
Date Reported : May 17, 2025
Report Number : 3299614-1

Sample Number	2542738-1
Sampled Date	May 08, 2025 9:40 AM
Sample Description	Wastewater
Location	บ่อพักน้ำทิ้งรวม
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in two amber glass bottles, four glass vials and nine plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.0006	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.05	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Chromium	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.02	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.09	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Technical Management
Chanattagarn Imchom
Section Head
ทะเบียนลงชื่อที่ 3-204-a-0008

Approved by
Kanokkorn Anek
Assistant General Manager
ทะเบียนลงชื่อที่ 3-204-a-0004

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Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2542738
Date Received : May 08, 2025
Date Reported : May 17, 2025
Report Number : 3299614-1

Sample Number	2542738-1
Sampled Date	May 08, 2025 9:40 AM
Sample Description	Wastewater
Location	บ่อพักน้ำทิ้งรวม
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in two amber glass bottles, four glass vials and nine plastic bottles, sample containers comply to pretreatment – preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.003	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.05	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Pesticides - Organochlorine Group							
2,4-DDD *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
2,4-DDE *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

Technical Management Chanattagarn Imchoen, Section Head, ทะเบียนเลขที่ ว-204-ง-0008

Approved by Kanokkorn Anek, Assistant General Manager, ทะเบียนเลขที่ ว-204-ง-0004

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Project Location: GBL

Lot ID: 2542738
Date Received : May 08, 2025
Date Reported : May 17, 2025
Report Number : 3299614-1

Sample Number	2542738-1
Sampled Date	May 08, 2025 9:40 AM
Sample Description	Wastewater
Location	บ่อพักน้ำทิ้งรวม
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in two amber glass bottles, four glass vials and nine plastic bottles, sample containers comply to pretreatment – preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
2,4-DDT *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
4,4-DDD *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
4,4-DDE *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
4,4-DDT *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Aldrin *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
alpha-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
beta-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Lot ID: 2542738
Date Received : May 08, 2025
Date Reported : May 17, 2025
Report Number : 3299614-1

Sample Number	2542738-1
Sampled Date	May 08, 2025 9:40 AM
Sample Description	Wastewater
Location	บ่อพักน้ำทิ้งรวม
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in two amber glass bottles, four glass vials and nine plastic bottles, sample containers comply to pretreatment – preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
Chlordane *	ug/L	0.02	0.04	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
delta-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Dieldrin *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Endosulfan I *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Endosulfan II *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Endrin *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Heptachlor *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Sample Number	2542738-1
Sampled Date	May 08, 2025 9:40 AM
Sample Description	Wastewater
Location	บ่อพักน้ำทิ้งรวม
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in two amber glass bottles, four glass vials and nine plastic bottles, sample containers comply to pretreatment – preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Pesticides - Organochlorine Group							
Heptachlor-Epoxide *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Lindane (gamma-BHC) *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Methoxychlor *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	4.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G.	Bangkok
COD	mg/L	-	25	31	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Color (at Original pH)	ADMI	-	5	24	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Bangkok
Color (at pH 7.0)	ADMI	-	5	22	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Bangkok
Cyanide as CN	mg/L	0.002	0.005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - CN (C, E)	Bangkok

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2542738
Date Received : May 08, 2025
Date Reported : May 17, 2025
Report Number : 3299614-1

Sample Number 2542738-1
Sampled Date May 08, 2025 9:40 AM
Sample Description Wastewater
Location บ่อพักน้ำที่รวม
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in two amber glass bottles, four glass vials and nine plastic bottles, sample containers comply to pretreatment – preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Formaldehyde	mg/L	0.03	0.1	Not Detected	≤1	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Bangkok
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Phenol	mg/L	0.0005	0.001	Not Detected	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 B, D	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Bangkok
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Bangkok
Temperature **	Degree C	-	-	33.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	212	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	17.3	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Technical Management
Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ 3-204-a-0008

Approved by
Kanoklorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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Analysis / Test Report

TESTING
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P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2542738
Date Received : May 08, 2025
Date Reported : May 17, 2025
Report Number : 3299614-1

Sample Number 2542738-1
Sampled Date May 08, 2025 9:40 AM
Sample Description Wastewater
Location บ่อพักน้ำที่รวม
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in two amber glass bottles, four glass vials and nine plastic bottles, sample containers comply to pretreatment – preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	6	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Attipon Yaso ทะเบียนเลขที่ 3-204-a-0059

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

Technical Management
Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ 3-204-a-0008

Approved by
Kanoklorn Anek
Assistant General Manager
ทะเบียนเลขที่ 3-204-a-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2542738
Date Received : May 08, 2025
Date Reported : May 17, 2025
Report Number : 3299614-2

Sample Number 2542738-1
Sampled Date May 08, 2025 9:40 AM
Sample Description Wastewater
Location บ่อพักน้ำที่รวม
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in two amber glass bottles, four glass vials and nine plastic bottles, sample containers comply to pretreatment – preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	0.56	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Pesticides - Organochlorine Group							
alpha-Chlordane *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
gamma-Chlordane *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Hexachlorobenzene *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Mirex *	ug/L	0.01	0.02	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Water Testing							
Anionic Surfactant as MBAS *	mg/L	0.015	0.05	0.56	≤30	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5540 B, C	Bangkok
Chloride *	mg/L	0.15	0.5	38.4	No Standard	ISE Application	Bangkok

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Chanattagarn Imchom
Section Head

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210701757
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2542738
Date Received : May 08, 2025
Date Reported : May 17, 2025
Report Number : 3299614-2

Sample Number 2542738-1
Sampled Date May 08, 2025 9:40 AM
Sample Description Wastewater
Location บ่อพักน้ำที่รวม
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in two amber glass bottles, four glass vials and nine plastic bottles, sample containers comply to pretreatment – preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Fluoride as F *	mg/L	0.15	0.5	<0.5	≤5	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (C)	Bangkok
Odour *	-	-	-	Odourless	No Standard	In-house method : STM 04-025 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2150 B	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Attipon Yaso

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

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2588949
Date Received : Oct 02, 2025
Date Reported : Oct 10, 2025
Report Number : 3411689-1

Sample Number	2588949-1
Sampled Date	Oct 02, 2025 11:30 AM
Sample Description	Surface water
Location	แม่น้ำเจ้าพระยาบริเวณปากคลองบ้านแลน
Date Analysis Commenced	Oct 02, 2025
Condition of Sample	Contained in two BOD bottles, three plastic bottles and two vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Calcium *	mmol/L	0.002	0.004	0.57	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium *	mmol/L	0.002	0.004	0.22	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *	-	-	0.10	0.68	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium *	mmol/L	0.002	0.004	0.60	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Volatile Organics Compounds								
Bromodichloromethane *	mg/L	0.0002	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Bromoform *	mg/L	0.0002	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Chloroform *	mg/L	0.0002	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Dibromochloromethane *	mg/L	0.0002	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Total Trihalomethane *	mg/L	0.0002	0.001	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Water Testing								

Results apply to the sample(s) as submitted. unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Sawitree Noisangjam
Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2588949
Date Received : Oct 02, 2025
Date Reported : Oct 10, 2025
Report Number : 3411689-1

Sample Number	2588949-1
Sampled Date	Oct 02, 2025 11:30 AM
Sample Description	Surface water
Location	แม่น้ำเจ้าพระยาบริเวณปากคลองบ้านแลน
Date Analysis Commenced	Oct 02, 2025
Condition of Sample	Contained in two BOD bottles, three plastic bottles and two vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 degree C) *	mg/L	-	2.0	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, 4500 - O (C)	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	203	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.6	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.5	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Bangkok
Temperature *	Degree C	-	-	30.3	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	107	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	77	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2588949
Date Received : Oct 02, 2025
Date Reported : Oct 10, 2025
Report Number : 3411689-1

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act, B.E.2535, published in the Royal Government Gazettle, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act, B.E.2535, published in the Royal Government Gazettle, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampling By : Aittipon Yaso

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

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2589013
Date Received : Oct 02, 2025
Date Reported : Oct 17, 2025
Report Number : 3411808-1 C9

Sample Number	2589013-1
Sampled Date	Oct 02, 2025 11:20 AM
Sample Description	Surface Water
Location	แม่น้ำเจ้าพระยาบริเวณหน้าวัดบ้านพาเหล่
Date Analysis Commenced	Oct 02, 2025
Condition of Sample	Contained in two BOD bottles, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Calcium *	mmol/L	0.002	0.004	0.54	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium *	mmol/L	0.002	0.004	0.22	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *	-	-	0.10	0.65	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium *	mmol/L	0.002	0.004	0.57	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Volatile Organics Compounds								
Bromodichloromethane *	mg/L	0.0002	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Bromoform *	mg/L	0.0002	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Chloroform *	mg/L	0.0002	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Dibromochloromethane *	mg/L	0.0002	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Total Trihalomethane *	mg/L	0.0002	0.001	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Water Testing								

Results apply to the sample(s) as submitted. unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2589013
Date Received : Oct 02, 2025
Date Reported : Oct 17, 2025
Report Number : 3411808-1 C9

Sample Number	2589013-1
Sampled Date	Oct 02, 2025 11:20 AM
Sample Description	Surface Water
Location	แม่น้ำเจ้าพระยาบริเวณหน้าวัดบ้านพราน
Date Analysis Commenced	Oct 02, 2025
Condition of Sample	Contained in two BOD bottles, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 degree C) *	mg/L	-	2.0	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, 4500 - O (C)	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	203	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.7	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Bangkok
Temperature *	Degree C	-	-	31.5	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	125	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	90	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

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Manager

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2589013
Date Received : Oct 02, 2025
Date Reported : Oct 17, 2025
Report Number : 3411808-1 C9

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampled By : Attipon Yaso

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

Approved by
Sawitree Noisangjam
Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2589013
Date Received : Oct 02, 2025
Date Reported : Oct 17, 2025
Report Number : 3411808-1 C9

Sample Number	2589013-2
Sampled Date	Oct 02, 2025 12:10 PM
Sample Description	Surface Water
Location	ระหว่างจุดระบายน้ำทิ้งของบีคมไฮเทค และ ประตูระบายน้ำบำบลน
Date Analysis Commenced	Oct 02, 2025
Condition of Sample	Contained in two BOD bottles, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Calcium *	mmol/L	0.002	0.004	2.03	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium *	mmol/L	0.002	0.004	0.44	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *	-	-	0.10	4.15	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium *	mmol/L	0.002	0.004	6.52	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Volatile Organics Compounds								
Bromodichloromethane *	mg/L	0.0002	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Bromoform *	mg/L	0.0002	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Chloroform *	mg/L	0.0002	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Dibromochloromethane *	mg/L	0.0002	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Total Trihalomethane *	mg/L	0.0002	0.001	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Water Testing								

Approved by
Sawitree Noisangjam
Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2589013
Date Received : Oct 02, 2025
Date Reported : Oct 17, 2025
Report Number : 3411808-1 C9

Sample Number	2589013-2
Sampled Date	Oct 02, 2025 12:10 PM
Sample Description	Surface Water
Location	ระหว่างจุดระบายน้ำทิ้งของบีคมไฮเทค และ ประตูระบายน้ำบำบลน
Date Analysis Commenced	Oct 02, 2025
Condition of Sample	Contained in two BOD bottles, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 degree C) *	mg/L	-	2.0	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, 4500 - O (C)	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1189	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.8	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.5	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Bangkok
Temperature *	Degree C	-	-	32.1	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	689	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	10	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Approved by
Sawitree Noisangjam
Manager

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2589013
Date Received : Oct 02, 2025
Date Reported : Oct 17, 2025
Report Number : 3411808-1 C9

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampled By : Attipon Yaso

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

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Approved by
Sawitree Noisangjam
Manager

Analysis / Test Report
TESTING
No.0009
Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL
Lot ID: 2589013
Date Received : Oct 02, 2025
Date Reported : Oct 17, 2025
Report Number : 3411808-1 C9

Sample Number	2589013-3
Sampled Date	Oct 02, 2025 11:40 AM
Sample Description	Surface Water
Location	คลองลัดแม่น้ำเจ้าพระยาบริเวณหมู่ 3 ตำบลบ้านแค
Date Analysis Commenced	Oct 02, 2025
Condition of Sample	Contained in two BOD bottles, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Calcium *	mmol/L	0.002	0.004	0.57	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium *	mmol/L	0.002	0.004	0.22	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *	-	-	0.10	0.70	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium *	mmol/L	0.002	0.004	0.62	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Volatile Organics Compounds								
Bromodichloromethane *	mg/L	0.0002	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Bromoform *	mg/L	0.0002	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Chloroform *	mg/L	0.0002	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Dibromochloromethane *	mg/L	0.0002	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Total Trihalomethane *	mg/L	0.0002	0.001	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Water Testing								

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Manager

Analysis / Test Report
TESTING
No.0009
Client : Gulf BL Co., Ltd.
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P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL
Lot ID: 2589013
Date Received : Oct 02, 2025
Date Reported : Oct 17, 2025
Report Number : 3411808-1 C9

Sample Number	2589013-3
Sampled Date	Oct 02, 2025 11:40 AM
Sample Description	Surface Water
Location	คลองลัดแม่น้ำเจ้าพระยาบริเวณหมู่ 3 ตำบลบ้านแค
Date Analysis Commenced	Oct 02, 2025
Condition of Sample	Contained in two BOD bottles, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 degree C) *	mg/L	-	2.0	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, 4500 - O (C)	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	204	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.7	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok
pH at 25 degree C	-	-	-	7.7	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Bangkok
Temperature *	Degree C	-	-	30.2	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	129	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	73	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Approved by
Sawitree Noisangjam
Manager

Analysis / Test Report
TESTING
No.0009
Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL
Lot ID: 2589013
Date Received : Oct 02, 2025
Date Reported : Oct 17, 2025
Report Number : 3411808-1 C9

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampled By : Attipon Yaso

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by
Sawitree Noisangjam
Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2542424
Date Received :May 08, 2025
Date Reported :May 20, 2025
Report Number :3298865-1 CB

Sample Number	2542424-1
Sampling Date	May 08, 2025 11:30 AM
Sample Description	Soil
Location	ระหว่างจตระบายน้ำที่ของจัดมลสาทกรมบำเพร็วกับประตูระบายน้ำบำแลน
Date Analysis Commenced	May 09, 2025
Condition of Sample	Packed in one plastic bag and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Chemical Testing						
Chloride	mg/kg	-	10	305	Soil Chemical Methods - Australasia (2011)	Bangkok
Conductivity aqueous phase 20% (w/v)	micromhos/cm	-	-	200	Soil Chemical Methods - Australasia (2011)	Bangkok
Salinity	ppt	-	0.01	0.10	Soil Chemical Methods - Australasia (2011)	Bangkok
Metals Testing						
Calcium	mg/kg	-	20.0	4839	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Magnesium	mg/kg	-	20.0	1628	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Sodium	mg/kg	-	20.0	517	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters						
Moisture	%	-	0.1	57.6	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok
Soil Testing						
pH aqueous phase 50% (w/v) Dry basis		-	-	6.7	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok
Residual Chlorine	mg/kg	-	0.1	0.2	ISE Application	Bangkok
Volatile Organics Compounds						
Bromoform	mg/kg	-	0.2	<0.2	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
Chloroform	mg/kg	-	0.2	<0.2	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
Dibromochloromethane	mg/kg	-	0.2	<0.2	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok
Dichlorobromomethane	mg/kg	-	0.2	<0.2	United States Environmental Protection Agency, EPA Method 5035 and 8260 D	Bangkok

Note : Analysis Results expressed on dry basis.
Sampling By : Attipon Yaso
Remark :

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Approved by
Chanattajarn Imchorn
Section Head

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : GBL-4210700543
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2542424
Date Received :May 08, 2025
Date Reported :May 20, 2025
Report Number :3298865-1 CB

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12174-41/ EMAIL

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2598481
Date Received : Nov 13, 2025
Date Reported : Nov 21, 2025
Report Number : 3456723-1

Sample Number	2598481-1
Sampled Date	Nov 13, 2025 11:30 AM
Sample Description	Groundwater
Location	บ่อสังเกตุ monitoring well : บ่อ 1
Date Analysis Commenced	Nov 14, 2025
Condition of Sample	Contained in two vials, one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	7.7	6.5 9.2 (I)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures
(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าที่ตรวจวัดจากตัวอย่างบนน้ำที่ไม่ได้ผ่านการสัมผัสกับการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างของเหนือน้ำที่ใช้เป็นบ่ออ้างอิงบนที่ทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าที่เอาชนะเปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่ากลางเหนือรุ่นของสหของมาตรฐานคุณภาพน้ำบาดาลที่ใช้บริโภคสิ่ง 6.5-9.2
Sampling By : Attipon Yaso ทะเบียนเลขที่ ว-204-ส-0059

Remark :
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management
Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ว-204-ส-0013

Approved by
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ส-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2598481
Date Received : Nov 13, 2025
Date Reported : Nov 21, 2025
Report Number : 3456723-2

Sample Number	2598481-1
Sampled Date	Nov 13, 2025 11:30 AM
Sample Description	Groundwater
Location	บ่อสังเกตุ monitoring well : บ่อ 1
Date Analysis Commenced	Nov 14, 2025
Condition of Sample	Contained in two vials, one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds							
Bromodichloromethane *	mg/L	0.0002	0.0005	Not Detected	0.8	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Bromoform *	mg/L	0.0002	0.0005	Not Detected	6.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Chloroform *	mg/L	0.0002	0.0005	Not Detected	8.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Dibromochloromethane *	mg/L	0.0002	0.0005	Not Detected	0.6	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Conductivity (Onsite) *	micromhos/cm	-	-	5337	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Bangkok
Dissolved Oxygen (on site) *	mg/L	-	-	4.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Bangkok

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Approved by
Siriluk Bunnak
Section Head

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2598481
Date Received : Nov 13, 2025
Date Reported : Nov 21, 2025
Report Number : 3456723-2

Sample Number	2598481-1
Sampled Date	Nov 13, 2025 11:30 AM
Sample Description	Groundwater
Location	บ่อสังเกตุ monitoring well : sia 1
Date Analysis Commenced	Nov 14, 2025
Condition of Sample	Contained in two vials, one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Temperature *	Degree C	-	-	29.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	3660	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures
Sampling By : Attipon Yaso

Remark :
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Siriluk Bunnak
Section Head

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2598481
Date Received : Nov 13, 2025
Date Reported : Nov 21, 2025
Report Number : 3456724-1

Sample Number	2598481-2
Sampled Date	Nov 13, 2025 12:00 PM
Sample Description	Groundwater
Location	บ่อสังเกตุ monitoring well : sia 2
Date Analysis Commenced	Nov 14, 2025
Condition of Sample	Contained in two vials, one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C		-	-	7.4	6.5-9.2 (I)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures
(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างเดียวกันเหนือน้ำที่ใช้เป็นบ่ออ้างอิงบนพื้นที่ศึกษาการไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่ามาตรฐานคุณภาพน้ำบาดาลที่ใช้บริโภคคือ 6.5-9.2
Sampling By : Attipon Yaso ทะเบียนเลขที่ ว-204-ส-0059

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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management
Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ว-204-ส-0013

Approved by
Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ส-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2598481
Date Received : Nov 13, 2025
Date Reported : Nov 21, 2025
Report Number : 3456724-2

Sample Number	2598481-2
Sampled Date	Nov 13, 2025 12:00 PM
Sample Description	Groundwater
Location	บ่อสังเกตุ monitoring well : sia 2
Date Analysis Commenced	Nov 14, 2025
Condition of Sample	Contained in two vials, one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds							
Bromodichloromethane *	mg/L	0.0002	0.0005	Not Detected	0.8	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Bromoform *	mg/L	0.0002	0.0005	Not Detected	6.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Chloroform *	mg/L	0.0002	0.0005	Not Detected	8.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Dibromochloromethane *	mg/L	0.0002	0.0005	Not Detected	0.6	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
Conductivity (Onsite) *	micromhos/cm	-	-	2248	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Bangkok
Dissolved Oxygen (on site) *	mg/L	-	-	4.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Bangkok
Oil & Grease	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Bangkok

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by
Siriluk Bunnak
Section Head

Analysis / Test Report

TESTING
No.0009

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2598481
Date Received : Nov 13, 2025
Date Reported : Nov 21, 2025
Report Number : 3456724-2

Sample Number	2598481-2
Sampled Date	Nov 13, 2025 12:00 PM
Sample Description	Groundwater
Location	บ่อสังเกตุ monitoring well : sia 2
Date Analysis Commenced	Nov 14, 2025
Condition of Sample	Contained in two vials, one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Temperature *	Degree C	-	-	30.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	1864	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures
Sampling By : Attipon Yaso

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Siriluk Bunnak
Section Head

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2577398
Date Received : Sep 01, 2025
Date Reported : Sep 05, 2025
Report Number: 3399733-1

Sample Number 2577398-1
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower
Measurement Date Sep 01, 2025
Measurement by Traimonthon Tipwan

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:27 AM - 10:27 AM	82.7	86.7	82.5
10:27 AM - 11:27 AM	82.5	86.9	82.3
11:27 AM - 12:27 PM	82.3	86.5	82.2
12:27 PM - 01:27 PM	82.0	86.4	80.9
01:27 PM - 02:27 PM	81.7	86.2	80.7
02:27 PM - 03:27 PM	81.7	86.1	80.5
03:27 PM - 04:27 PM	82.3	86.3	82.1
04:27 PM - 05:27 PM	82.4	86.4	82.0
Leq Average 8 hrs. (dB(A))	82.2		
Lmax (dB(A))		86.9	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2577398
Date Received : Sep 01, 2025
Date Reported : Sep 05, 2025
Report Number: 3399734-1

Sample Number 2577398-2
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Compressor
Measurement Date Sep 01, 2025
Measurement by Traimonthon Tipwan

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:25 AM - 10:25 AM	64.1	72.4	63.5
10:25 AM - 11:25 AM	63.8	68.1	63.3
11:25 AM - 12:25 PM	63.3	69.4	62.3
12:25 PM - 01:25 PM	63.2	65.8	62.5
01:25 PM - 02:25 PM	63.9	66.5	63.4
02:25 PM - 03:25 PM	64.0	66.2	63.4
03:25 PM - 04:25 PM	63.7	66.9	63.1
04:25 PM - 05:25 PM	63.9	75.8	63.2
Leq Average 8 hrs. (dB(A))	63.7		
Lmax (dB(A))		75.8	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2577398
Date Received : Sep 01, 2025
Date Reported : Sep 05, 2025
Report Number: 3399735-1

Sample Number 2577398-3
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Boiler Feed Pump
Measurement Date Sep 01, 2025
Measurement by Traimonthon Tipwan

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:33 AM - 10:33 AM	81.3	81.8	81.1
10:33 AM - 11:33 AM	81.1	81.8	81.0
11:33 AM - 12:33 PM	81.0	82.1	80.7
12:33 PM - 01:33 PM	80.9	81.8	80.4
01:33 PM - 02:33 PM	81.1	81.9	81.0
02:33 PM - 03:33 PM	81.1	81.8	81.0
03:33 PM - 04:33 PM	81.1	84.6	81.0
04:33 PM - 05:33 PM	81.1	81.7	80.9
Leq Average 8 hrs. (dB(A))	81.1		
Lmax (dB(A))		84.6	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2577398
Date Received : Sep 01, 2025
Date Reported : Sep 05, 2025
Report Number: 3399736-1

Sample Number 2577398-4
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 1
Measurement Date Sep 01, 2025
Measurement by Traimonthon Tipwan

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:19 AM - 10:19 AM	73.8	77.8	73.0
10:19 AM - 11:19 AM	73.1	75.0	72.6
11:19 AM - 12:19 PM	72.4	74.2	71.4
12:19 PM - 01:19 PM	71.8	73.9	71.1
01:19 PM - 02:19 PM	72.8	74.4	72.4
02:19 PM - 03:19 PM	72.9	74.7	72.4
03:19 PM - 04:19 PM	73.1	75.0	72.6
04:19 PM - 05:19 PM	73.0	75.4	72.5
Leq Average 8 hrs. (dB(A))	72.9		
Lmax (dB(A))		77.8	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2577398
Date Received : Sep 01, 2025
Date Reported : Sep 05, 2025
Report Number: 3399737-1

Sample Number 2577398-5
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 2
Measurement Date Sep 01, 2025
Measurement by Traimonthon Tipwan

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:18 AM - 10:18 AM	83.0	93.5	82.7
10:18 AM - 11:18 AM	82.8	84.3	82.6
11:18 AM - 12:18 PM	82.6	85.6	82.0
12:18 PM - 01:18 PM	82.0	83.6	81.3
01:18 PM - 02:18 PM	82.7	83.6	82.5
02:18 PM - 03:18 PM	82.7	83.4	82.5
03:18 PM - 04:18 PM	82.8	83.7	82.7
04:18 PM - 05:18 PM	82.8	83.4	82.6
Leq Average 8 hrs. (dB(A))	82.7		
Lmax (dB(A))		93.5	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2577398
Date Received : Sep 01, 2025
Date Reported : Sep 05, 2025
Report Number: 3399738-1

Page 1 of 1

Sample Number 2577398-6
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Steam Turbine
Measurement Date Sep 01, 2025
Measurement by Traimonthon Tipwan

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:31 AM - 10:31 AM	78.4	79.3	78.2
10:31 AM - 11:31 AM	78.1	79.3	77.9
11:31 AM - 12:31 PM	77.8	79.5	77.5
12:31 PM - 01:31 PM	77.6	78.9	77.1
01:31 PM - 02:31 PM	78.1	79.0	77.9
02:31 PM - 03:31 PM	78.0	79.8	77.9
03:31 PM - 04:31 PM	78.1	78.9	77.9
04:31 PM - 05:31 PM	78.1	79.0	78.0
Leq Average 8 hrs. (dB(A))	78.0		
Lmax (dB(A))		79.8	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477906-1

Page 1 of 1

Sample Number 25104344-1
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	83.0	90.4	80.3
12:00 PM - 01:00 PM	80.6	88.2	80.3
01:00 PM - 02:00 PM	80.6	88.3	80.3
02:00 PM - 03:00 PM	80.5	88.3	80.3
03:00 PM - 04:00 PM	80.5	88.2	80.2
04:00 PM - 05:00 PM	80.6	88.5	80.4
05:00 PM - 06:00 PM	80.7	88.5	80.5
06:00 PM - 07:00 PM	80.7	88.4	80.6
Leq Average 8 hrs. (dB(A))	81.0		
Lmax (dB(A))		90.4	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

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Analysis / Test Report

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477909-1

Page 1 of 1

Sample Number 25104344-4
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	80.5	88.5	80.1
12:00 PM - 01:00 PM	80.5	88.4	80.1
01:00 PM - 02:00 PM	80.4	88.3	80.1
02:00 PM - 03:00 PM	80.4	88.2	80.0
03:00 PM - 04:00 PM	80.3	88.4	80.0
04:00 PM - 05:00 PM	80.4	88.4	80.2
05:00 PM - 06:00 PM	80.5	88.5	80.3
06:00 PM - 07:00 PM	80.5	88.4	80.4
Leq Average 8 hrs. (dB(A))	80.4		
Lmax (dB(A))		88.5	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
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Analysis / Test Report

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477912-1

Sample Number 25104344-7
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	80.4	89.0	80.0
12:00 PM - 01:00 PM	80.3	88.5	80.0
01:00 PM - 02:00 PM	80.3	88.2	79.9
02:00 PM - 03:00 PM	80.2	88.2	79.9
03:00 PM - 04:00 PM	80.3	88.2	79.9
04:00 PM - 05:00 PM	80.3	88.3	80.1
05:00 PM - 06:00 PM	80.3	88.3	80.1
06:00 PM - 07:00 PM	80.4	88.6	80.2
Leq Average 8 hrs. (dB(A))	80.3		
Lmax (dB(A))		89.0	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
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Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477915-1

Sample Number 25104344-10
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Compressor
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.7	73.2	63.2
12:00 PM - 01:00 PM	63.4	68.9	63.1
01:00 PM - 02:00 PM	63.7	78.5	63.1
02:00 PM - 03:00 PM	64.5	85.8	63.3
03:00 PM - 04:00 PM	64.3	71.0	63.8
04:00 PM - 05:00 PM	64.3	72.9	63.8
05:00 PM - 06:00 PM	67.7	74.5	64.2
06:00 PM - 07:00 PM	67.1	71.5	64.8
Leq Average 8 hrs. (dB(A))	65.1		
Lmax (dB(A))		85.8	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477918-1

Sample Number 25104344-13
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Compressor
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.1	67.5	62.8
12:00 PM - 01:00 PM	63.5	81.1	62.8
01:00 PM - 02:00 PM	64.0	79.6	63.3
02:00 PM - 03:00 PM	64.3	81.3	63.4
03:00 PM - 04:00 PM	63.6	69.1	63.2
04:00 PM - 05:00 PM	63.5	72.9	63.1
05:00 PM - 06:00 PM	67.1	72.4	63.6
06:00 PM - 07:00 PM	66.6	70.8	64.0
Leq Average 8 hrs. (dB(A))	64.7		
Lmax (dB(A))		81.3	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477921-1

Sample Number 25104344-16
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Compressor
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.0	65.8	62.6
12:00 PM - 01:00 PM	62.7	67.9	62.3
01:00 PM - 02:00 PM	63.1	71.1	62.6
02:00 PM - 03:00 PM	63.1	67.2	62.5
03:00 PM - 04:00 PM	63.2	68.5	62.8
04:00 PM - 05:00 PM	63.5	68.7	63.0
05:00 PM - 06:00 PM	67.1	73.9	63.5
06:00 PM - 07:00 PM	66.4	73.5	64.0
Leq Average 8 hrs. (dB(A))	64.3		
Lmax (dB(A))		73.9	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477924-1

Sample Number 25104344-19
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Boiler Feed Pump
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	81.0	81.6	80.9
12:00 PM - 01:00 PM	80.9	81.7	80.6
01:00 PM - 02:00 PM	81.0	82.0	80.8
02:00 PM - 03:00 PM	80.9	81.4	80.8
03:00 PM - 04:00 PM	80.9	81.4	80.8
04:00 PM - 05:00 PM	80.9	81.4	80.8
05:00 PM - 06:00 PM	81.6	84.1	80.9
06:00 PM - 07:00 PM	81.8	84.9	81.1
Leq Average 8 hrs. (dB(A))	81.1		
Lmax (dB(A))		84.9	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477927-1

Sample Number 25104344-22
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Boiler Feed Pump
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	80.8	81.3	80.6
12:00 PM - 01:00 PM	80.4	81.3	80.1
01:00 PM - 02:00 PM	80.5	81.2	80.3
02:00 PM - 03:00 PM	80.5	81.3	80.3
03:00 PM - 04:00 PM	80.5	81.1	80.4
04:00 PM - 05:00 PM	80.6	81.2	80.5
05:00 PM - 06:00 PM	81.3	83.9	80.6
06:00 PM - 07:00 PM	81.8	84.5	81.0
Leq Average 8 hrs. (dB(A))	80.8		
Lmax (dB(A))		84.5	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477930-1

Sample Number 25104344-25
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Boiler Feed Pump
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	80.8	81.5	80.5
12:00 PM - 01:00 PM	80.4	81.2	80.1
01:00 PM - 02:00 PM	80.5	81.2	80.3
02:00 PM - 03:00 PM	80.4	81.1	80.3
03:00 PM - 04:00 PM	80.4	84.0	80.2
04:00 PM - 05:00 PM	80.5	81.2	80.3
05:00 PM - 06:00 PM	81.3	84.3	80.4
06:00 PM - 07:00 PM	81.6	84.7	80.9
Leq Average 8 hrs. (dB(A))	80.8		
Lmax (dB(A))		84.7	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477933-1

Sample Number 25104344-28
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 1
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	83.8	84.3	83.7
12:00 PM - 01:00 PM	83.7	84.3	83.6
01:00 PM - 02:00 PM	83.7	84.2	83.6
02:00 PM - 03:00 PM	83.6	84.2	83.5
03:00 PM - 04:00 PM	83.6	84.2	83.4
04:00 PM - 05:00 PM	83.6	84.2	83.5
05:00 PM - 06:00 PM	83.5	84.2	83.4
06:00 PM - 07:00 PM	83.3	83.9	83.2
Leq Average 8 hrs. (dB(A))	83.6		
Lmax (dB(A))		84.3	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477936-1

Sample Number 25104344-31
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 1
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	83.7	84.2	83.6
12:00 PM - 01:00 PM	83.7	84.1	83.6
01:00 PM - 02:00 PM	83.8	84.2	83.7
02:00 PM - 03:00 PM	83.8	84.2	83.7
03:00 PM - 04:00 PM	83.7	84.2	83.5
04:00 PM - 05:00 PM	83.7	84.1	83.6
05:00 PM - 06:00 PM	83.8	84.2	83.7
06:00 PM - 07:00 PM	83.8	84.3	83.7
Leq Average 8 hrs. (dB(A))	83.8		
Lmax (dB(A))		84.3	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477939-1

Sample Number 25104344-34
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 1
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	84.0	84.7	83.8
12:00 PM - 01:00 PM	83.9	84.5	83.7
01:00 PM - 02:00 PM	83.7	84.2	83.6
02:00 PM - 03:00 PM	83.7	84.3	83.5
03:00 PM - 04:00 PM	83.6	84.0	83.5
04:00 PM - 05:00 PM	83.5	84.1	83.4
05:00 PM - 06:00 PM	83.6	84.2	83.4
06:00 PM - 07:00 PM	84.3	86.0	83.6
Leq Average 8 hrs. (dB(A))	83.8		
Lmax (dB(A))		86.0	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477942-1

Sample Number 25104344-37
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 2
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	75.3	77.2	74.8
12:00 PM - 01:00 PM	74.7	78.1	74.2
01:00 PM - 02:00 PM	76.3	78.9	75.5
02:00 PM - 03:00 PM	76.7	78.8	75.9
03:00 PM - 04:00 PM	76.9	79.2	76.1
04:00 PM - 05:00 PM	77.5	80.1	76.8
05:00 PM - 06:00 PM	83.1	89.5	76.8
06:00 PM - 07:00 PM	82.1	88.2	77.7
Leq Average 8 hrs. (dB(A))	78.9		
Lmax (dB(A))		89.5	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477945-1

Sample Number 25104344-40
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 2
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	77.5	80.6	76.6
12:00 PM - 01:00 PM	76.9	79.0	76.4
01:00 PM - 02:00 PM	76.6	78.9	76.1
02:00 PM - 03:00 PM	76.9	80.1	76.4
03:00 PM - 04:00 PM	77.0	79.1	76.3
04:00 PM - 05:00 PM	77.1	79.3	76.5
05:00 PM - 06:00 PM	76.1	78.7	75.3
06:00 PM - 07:00 PM	76.2	78.2	75.6
Leq Average 8 hrs. (dB(A))	76.8		
Lmax (dB(A))		80.6	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

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P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477948-1

Sample Number 25104344-43
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine 2
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	76.0	78.3	75.5
12:00 PM - 01:00 PM	76.0	78.0	75.6
01:00 PM - 02:00 PM	76.0	78.4	75.6
02:00 PM - 03:00 PM	76.1	78.4	75.6
03:00 PM - 04:00 PM	76.3	78.4	75.7
04:00 PM - 05:00 PM	76.0	78.6	75.4
05:00 PM - 06:00 PM	77.0	80.5	75.8
06:00 PM - 07:00 PM	76.0	77.7	75.5
Leq Average 8 hrs. (dB(A))	76.2		
Lmax (dB(A))		80.5	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477951-1

Sample Number 25104344-46
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Steam Turbine
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	77.4	79.3	77.2
12:00 PM - 01:00 PM	77.1	79.0	76.9
01:00 PM - 02:00 PM	77.2	78.6	77.1
02:00 PM - 03:00 PM	77.2	77.9	77.1
03:00 PM - 04:00 PM	77.2	78.3	77.1
04:00 PM - 05:00 PM	77.2	77.8	77.1
05:00 PM - 06:00 PM	78.2	81.0	77.2
06:00 PM - 07:00 PM	78.3	81.4	77.5
Leq Average 8 hrs. (dB(A))	77.5		
Lmax (dB(A))		81.4	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
Approved by Supot S. — Supot Salamteh, Section Head

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477954-1

Sample Number 25104344-49
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Steam Turbine
Measurement Date Dec 16, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	77.0	77.5	76.9
12:00 PM - 01:00 PM	76.9	77.6	76.7
01:00 PM - 02:00 PM	76.9	77.6	76.7
02:00 PM - 03:00 PM	76.9	77.5	76.8
03:00 PM - 04:00 PM	76.9	78.2	76.8
04:00 PM - 05:00 PM	77.0	77.5	76.8
05:00 PM - 06:00 PM	77.8	80.7	76.9
06:00 PM - 07:00 PM	78.0	80.7	77.3
Leq Average 8 hrs. (dB(A))	77.2		
Lmax (dB(A))		80.7	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104344
Date Received : Dec 18, 2025
Date Reported : Dec 24, 2025
Report Number: 3477957-1

Sample Number 25104344-52
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Steam Turbine
Measurement Date Dec 17, 2025
Measurement by Buranasak Pati

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	76.6	77.3	76.5
12:00 PM - 01:00 PM	76.4	77.1	76.2
01:00 PM - 02:00 PM	76.5	77.9	76.4
02:00 PM - 03:00 PM	76.5	77.1	76.4
03:00 PM - 04:00 PM	76.6	85.7	76.4
04:00 PM - 05:00 PM	76.6	77.9	76.5
05:00 PM - 06:00 PM	77.6	80.3	76.5
06:00 PM - 07:00 PM	77.5	80.6	76.8
Leq Average 8 hrs. (dB(A))	76.8		
Lmax (dB(A))		85.7	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะเสียงอันเนื่องในการทำงาน พ.ศ.๒๕๕๖

Technical Management Orawan R. — Orawan Rakyong, Scientist (3)
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2577407
Date Received : Sep 01, 2025
Date Reported : Sep 19, 2025
Report Number: 3385584-1 Rev. No.1

Sample Number 2577407-1
Parameter Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)
Measurement Date Sep 01, 2025
Measurement by Traimonthon Tipwan
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Condenser Exhaust Unit	120	28.1	26.0	33.0	32.9
Average (WBGT)		28.1			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:
1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environmentin relation to Heat,Light and Noise, B.E.2559

Note:
This Analysis test report is reissued to supersede report No.3385584-1, Date Reported : Sep 04, 2025 due to revise sample information.

Technical Management Supot Salamteh, Section Head
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2577407
Date Received : Sep 01, 2025
Date Reported : Sep 19, 2025
Report Number: 3385584-1 Rev. No.1

Sample Number 2577407-2
Parameter Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)
Measurement Date Sep 01, 2025
Measurement by Traimonthon Tipwan
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณทางน้ำเลี้ยงไหน้ำ	120	27.5	25.6	31.9	31.7
Average (WBGT)		27.5			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:
1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environmentin relation to Heat,Light and Noise, B.E.2559

Note:
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2577407
Date Received : Sep 01, 2025
Date Reported : Sep 19, 2025
Report Number: 3385584-1 Rev. No.1

Sample Number 2577407-3
Parameter Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)
Measurement Date Sep 01, 2025
Measurement by Traimonthon Tipwan
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Gas Turbine 1	120	29.6	26.8	37.1	34.6
Average (WBGT)		29.6			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:
1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environmentin relation to Heat,Light and Noise, B.E.2559

Note:
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2577407
Date Received : Sep 01, 2025
Date Reported : Sep 19, 2025
Report Number: 3385584-1 Rev. No.1

Sample Number 2577407-4
Parameter Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)
Measurement Date Sep 01, 2025
Measurement by Traimonthon Tipwan
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Gas Turbine 2	120	28.2	25.8	34.2	32.6
Average (WBGT)		28.2			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:
1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environmentin relation to Heat,Light and Noise, B.E.2559

Note:
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 2577407
Date Received : Sep 01, 2025
Date Reported : Sep 19, 2025
Report Number: 3385584-1 Rev. No.1

Sample Number 2577407-5
Parameter Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)
Measurement Date Sep 01, 2025
Measurement by Traimonthon Tigwan
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Steam Turbine	120	31.6	28.1	39.6	39.5
Average (WBGT)		31.6			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:
1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environmentin relation to Heat,Light and Noise, B.E.2559

Note:
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Technical Management Supot Salamteh, Section Head
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104349
Date Received : Dec 18, 2025
Date Reported : Dec 23, 2025
Report Number: 3449286-1

Sample Number 25104349-1
Parameter Heat Stress (Sampling Time : 11.00 AM - 01.00 PM)
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Condenser Exhaust Unit	120	26.0	23.3	32.5	31.8
Average (WBGT)		26.0			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:
1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104349
Date Received : Dec 18, 2025
Date Reported : Dec 23, 2025
Report Number: 3449286-1

Sample Number 25104349-2
Parameter Heat Stress (Sampling Time : 11.00 AM - 01.00 PM)
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณท่อส่งเชื้อเพลิงไหม้	120	26.4	23.1	34.1	34.1
Average (WBGT)		26.4			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:
1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environmentin relation to Heat,Light and Noise, B.E.2559

Technical Management Supot Salamteh, Section Head
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104349
Date Received : Dec 18, 2025
Date Reported : Dec 23, 2025
Report Number: 3449286-1

Sample Number 25104349-3
Parameter Heat Stress (Sampling Time : 11.00 AM - 01.00 PM)
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Gas Turbine 1	120	25.4	24.1	28.3	28.2
Average (WBGT)		25.4			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:
1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104349
Date Received : Dec 18, 2025
Date Reported : Dec 23, 2025
Report Number: 3449286-1

Sample Number 25104349-4
Parameter Heat Stress (Sampling Time : 11.00 AM - 01.00 PM)
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
กังหัน Gas Turbine 2	120	26.1	24.1	30.9	30.2
Average (WBGT)		26.1			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:
1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environmentin relation to Heat,Light and Noise, B.E.2559

Technical Management Supot Salamteh, Section Head
Approved by Wichan Choonharat, Assistant Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O : 4210702056
Project Name : Monitoring EIA
Project Location : GBL

Lot ID: 25104349
Date Received : Dec 18, 2025
Date Reported : Dec 23, 2025
Report Number: 3449286-1

Sample Number 25104349-5
Parameter Heat Stress (Sampling Time : 11.00 AM - 01.00 PM)
Measurement Date Dec 15, 2025
Measurement by Buranasak Pati
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
Steam Turbine	120	29.8	26.0	38.8	38.1
Average (WBGT)		29.8			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:
1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environmentin relation to Heat,Light and Noise, B.E.2559

Technical Management Supot Salamteh, Section Head
Approved by Wichan Choonharat, Assistant Manager

Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2577434 (1)
Date Received : Sep 03, 2025
Date Reported : Sep 03, 2025
Report Number: 2577434 (1)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
1	Area : Electrical and Control Building : 1st Floor : Break Out Room	2577434 (1)-1	1-Sep-25	Day time	1	285	286	25	50	Pass
		2577434 (1)-2	1-Sep-25	Day time	2	287				
		2577434 (1)-3	1-Sep-25	Night time	1	241	244	25	50	Pass
		2577434 (1)-4	1-Sep-25	Night time	2	246				
2	Area : Electrical and Control Building : 1st Floor : Corridor (บริเวณทางเดิน)	2577434 (1)-5	1-Sep-25	Day time	1	464	589	50	100	Pass
		2577434 (1)-6	1-Sep-25	Day time	2	715				
		2577434 (1)-7	1-Sep-25	Night time	1	360	420	50	100	Pass
		2577434 (1)-8	1-Sep-25	Night time	2	480				
3	Area : Electrical and Control Building : 1st Floor : Store Room	2577434 (1)-9	1-Sep-25	Day time	1	262	248	50	100	Pass
		2577434 (1)-10	1-Sep-25	Day time	2	235				
		2577434 (1)-11	1-Sep-25	Night time	1	257	243	50	100	Pass
		2577434 (1)-12	1-Sep-25	Night time	2	229				
4	Area : Electrical and Control Building : 1st Floor : Switchgear and Electrical Equipment Room Zone พร้า (พร้าคุ Control)	2577434 (1)-13	1-Sep-25	Day time	1	400	344	100	200	Pass
		2577434 (1)-14	1-Sep-25	Day time	2	369				
		2577434 (1)-15	1-Sep-25	Day time	3	393				
		2577434 (1)-16	1-Sep-25	Day time	4	356				
		2577434 (1)-17	1-Sep-25	Day time	5	248				
		2577434 (1)-18	1-Sep-25	Day time	6	284				
		2577434 (1)-19	1-Sep-25	Day time	7	355				
		2577434 (1)-20	1-Sep-25	Night time	1	410	349	100	200	Pass
		2577434 (1)-21	1-Sep-25	Night time	2	372				
		2577434 (1)-22	1-Sep-25	Night time	3	404				
		2577434 (1)-23	1-Sep-25	Night time	4	361				
		2577434 (1)-24	1-Sep-25	Night time	5	246				
		2577434 (1)-25	1-Sep-25	Night time	6	284				
		2577434 (1)-26	1-Sep-25	Night time	7	363				
5	Area : Electrical and Control Building : 1st Floor : Switchgear and Electrical Equipment Room (Battery Room)	2577434 (1)-27	1-Sep-25	Day time	1	431	480	100	200	Pass
		2577434 (1)-28	1-Sep-25	Day time	2	530				
		2577434 (1)-29	1-Sep-25	Night time	1	464	471	100	200	Pass
		2577434 (1)-30	1-Sep-25	Night time	2	478				

Technical Management Supot Salamteh, Section Head
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2577434 (1)
Date Received : Sep 03, 2025
Date Reported : Sep 03, 2025
Report Number: 2577434 (1)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
6	Area : Electrical and Control Building : 1st Floor : Switchgear and Electrical Equipment Room (พร้าคุ Control)	2577434 (1)-31	1-Sep-25	Day time	1	214	338	100	200	Pass
		2577434 (1)-32	1-Sep-25	Day time	2	355				
		2577434 (1)-33	1-Sep-25	Day time	3	302				
		2577434 (1)-34	1-Sep-25	Day time	4	408				
		2577434 (1)-35	1-Sep-25	Day time	5	286				
		2577434 (1)-36	1-Sep-25	Day time	6	399				
		2577434 (1)-37	1-Sep-25	Day time	7	400				
		2577434 (1)-38	1-Sep-25	Night time	1	203	333	100	200	Pass
		2577434 (1)-39	1-Sep-25	Night time	2	361				
		2577434 (1)-40	1-Sep-25	Night time	3	306				
		2577434 (1)-41	1-Sep-25	Night time	4	395				
		2577434 (1)-42	1-Sep-25	Night time	5	271				
		2577434 (1)-43	1-Sep-25	Night time	6	375				
		2577434 (1)-44	1-Sep-25	Night time	7	417				

Measurement by : Traimonthon Tipwan

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management Supot Salamteh, Section Head
Approved by Wichan Choonharat, Assistant Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2577434 (2)
Date Received : Sep 03, 2025
Date Reported : Sep 03, 2025
Report Number: 2577434 (2)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
1	Area : Electrical and Control Building : 2nd Floor : Break Out Area (บริเวณโรงฯ)	2577434 (2)-1	1-Sep-25	Day time	1	541	558	50	100	Pass
		2577434 (2)-2	1-Sep-25	Day time	2	576				
		2577434 (2)-3	1-Sep-25	Night time	1	480	512	50	100	Pass
		2577434 (2)-4	1-Sep-25	Night time	2	543				
6	Area : Electrical and Control Building : 2nd Floor : Lobby Corridor (ทางเดินหน้าห้องน้ำ)	2577434 (2)-5	1-Sep-25	Day time	1	175	152	50	100	Pass
		2577434 (2)-6	1-Sep-25	Day time	2	128				
		2577434 (2)-7	1-Sep-25	Day time	3	150				
		2577434 (2)-8	1-Sep-25	Day time	4	162				
		2577434 (2)-9	1-Sep-25	Day time	5	146				
		2577434 (2)-10	1-Sep-25	Day time	6	156				
		2577434 (2)-11	1-Sep-25	Day time	7	146				
		2577434 (2)-12	1-Sep-25	Night time	1	112	142	50	100	Pass
		2577434 (2)-13	1-Sep-25	Night time	2	103				
		2577434 (2)-14	1-Sep-25	Night time	3	145				
		2577434 (2)-15	1-Sep-25	Night time	4	170				
		2577434 (2)-16	1-Sep-25	Night time	5	150				
		2577434 (2)-17	1-Sep-25	Night time	6	153				
		2577434 (2)-18	1-Sep-25	Night time	7	159				
7	Area : Electrical and Control Building : 2nd Floor : Men Toilet	2577434 (2)-19	1-Sep-25	Day time	1	500	450	50	100	Pass
		2577434 (2)-20	1-Sep-25	Day time	2	453				
		2577434 (2)-21	1-Sep-25	Day time	3	351				
		2577434 (2)-22	1-Sep-25	Day time	4	496				
		2577434 (2)-23	1-Sep-25	Night time	1	521	455	50	100	Pass
		2577434 (2)-24	1-Sep-25	Night time	2	469				
		2577434 (2)-25	1-Sep-25	Night time	3	335				
		2577434 (2)-26	1-Sep-25	Night time	4	494				
8	Spot : Electrical and Control Building : 2nd Floor : Operation Manager	2577434 (2)-27	1-Sep-25	Day time	1	415	-	400-500	-	Pass
		2577434 (2)-28	1-Sep-25	Night time	1	403	-	400-500	-	Pass

Technical Management
Supot Salamteh
Section Head

Approved by
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2577434 (2)
Date Received : Sep 03, 2025
Date Reported : Sep 03, 2025
Report Number: 2577434 (2)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
9	Area : Electrical and Control Building : 2nd Floor : Pantry	2577434 (2)-29	1-Sep-25	Day time	1	628	547	150	300	Pass
		2577434 (2)-30	1-Sep-25	Day time	2	488				
		2577434 (2)-31	1-Sep-25	Day time	3	618				
		2577434 (2)-32	1-Sep-25	Day time	4	542				
		2577434 (2)-33	1-Sep-25	Night time	1	462	472	150	300	Pass
		2577434 (2)-34	1-Sep-25	Night time	2	375				
		2577434 (2)-35	1-Sep-25	Night time	3	500				
		2577434 (2)-36	1-Sep-25	Night time	4	552				
10	Spot : Electrical and Control Building : 2nd Floor : Shift Day Time 2	2577434 (2)-37	1-Sep-25	Day time	1	498	-	400-500	-	Pass
		2577434 (2)-38	1-Sep-25	Night time	1	415	-	400-500	-	Pass
11	Spot : Electrical and Control Building : 2nd Floor : Shift Day Time 1	2577434 (2)-39	1-Sep-25	Day time	1	500	-	400-500	-	Pass
		2577434 (2)-40	1-Sep-25	Night time	1	468	-	400-500	-	Pass
15	Area : Electrical and Control Building : 2nd Floor : Up-down Main Way (Stair)	2577434 (2)-41	1-Sep-25	Day time	1	206	392	50	100	Pass
		2577434 (2)-42	1-Sep-25	Day time	2	390				
		2577434 (2)-43	1-Sep-25	Day time	3	580				
		2577434 (2)-44	1-Sep-25	Night time	1	73	123	50	100	Pass
		2577434 (2)-45	1-Sep-25	Night time	2	156				
		2577434 (2)-46	1-Sep-25	Night time	3	140				
16	Area : Electrical and Control Building : 2nd Floor : Utility Room	2577434 (2)-47	1-Sep-25	Day time	1	209	206	100	200	Pass
		2577434 (2)-48	1-Sep-25	Day time	2	204				
		2577434 (2)-49	1-Sep-25	Night time	1	203	206	100	200	Pass
		2577434 (2)-50	1-Sep-25	Night time	2	210				
17	Area : Electrical and Control Building : 2nd Floor : Women Toilet	2577434 (2)-51	1-Sep-25	Day time	1	462	449	50	100	Pass
		2577434 (2)-52	1-Sep-25	Day time	2	436				
		2577434 (2)-53	1-Sep-25	Night time	1	423	432	50	100	Pass
		2577434 (2)-54	1-Sep-25	Night time	2	440				

Measurement by : Traimonthon Tipwan

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 23 B.E.2561 (2018)

Technical Management
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2577434 (3)
Date Received : Sep 03, 2025
Date Reported : Sep 04, 2025
Report Number: 2577434 (3)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
2	Spot : Electrical and Control Building : 3rd Floor : Admin Helper 2	2577434 (3)-1	1-Sep-25	Day time	1	482	-	400-500	-	Pass
		2577434 (3)-2	1-Sep-25	Night time	1	412	-	400-500	-	Pass
3	Spot : Electrical and Control Building : 3rd Floor : Admin Manager	2577434 (3)-3	1-Sep-25	Day time	1	416	-	400-500	-	Pass
		2577434 (3)-4	1-Sep-25	Night time	1	402	-	400-500	-	Pass
4	Area : Electrical and Control Building : 3rd Floor : Copy Room	2577434 (3)-5	1-Sep-25	Day time	1	371	413	150	300	Pass
		2577434 (3)-6	1-Sep-25	Day time	2	455				
		2577434 (3)-7	1-Sep-25	Night time	1	379	410	150	300	Pass
		2577434 (3)-8	1-Sep-25	Night time	2	442				
5	Area : Electrical and Control Building : 3rd Floor : Corridor (ทางเดินหน้าห้องน้ำ)	2577434 (3)-9	1-Sep-25	Day time	1	146	147	50	100	Pass
		2577434 (3)-10	1-Sep-25	Day time	2	124				
		2577434 (3)-11	1-Sep-25	Day time	3	155				
		2577434 (3)-12	1-Sep-25	Day time	4	126				
		2577434 (3)-13	1-Sep-25	Day time	5	151				
		2577434 (3)-14	1-Sep-25	Day time	6	146				
		2577434 (3)-15	1-Sep-25	Day time	7	183				
		2577434 (3)-16	1-Sep-25	Night time	1	145	142	50	100	Pass
		2577434 (3)-17	1-Sep-25	Night time	2	145				
		2577434 (3)-18	1-Sep-25	Night time	3	150				
		2577434 (3)-19	1-Sep-25	Night time	4	139				
		2577434 (3)-20	1-Sep-25	Night time	5	138				
		2577434 (3)-21	1-Sep-25	Night time	6	143				
		2577434 (3)-22	1-Sep-25	Night time	7	135				
6	Area : Electrical and Control Building : 3rd Floor : Document Room	2577434 (3)-23	1-Sep-25	Day time	1	350	363	150	300	Pass
		2577434 (3)-24	1-Sep-25	Day time	2	376				
		2577434 (3)-25	1-Sep-25	Night time	1	344	358	150	300	Pass
		2577434 (3)-26	1-Sep-25	Night time	2	371				
7	Spot : Electrical and Control Building : 3rd Floor : EHS Manager	2577434 (3)-27	1-Sep-25	Day time	1	408	-	400-500	-	Pass
		2577434 (3)-28	1-Sep-25	Night time	1	404	-	400-500	-	Pass
8	Spot : Electrical and Control Building : 3rd Floor : Electrical Engineer 1	2577434 (3)-29	1-Sep-25	Day time	1	490	-	400-500	-	Pass
		2577434 (3)-30	1-Sep-25	Night time	1	417	-	400-500	-	Pass
9	Spot : Electrical and Control Building : 3rd Floor : Electrical Engineer 2	2577434 (3)-31	1-Sep-25	Day time	1	482	-	400-500	-	Pass
		2577434 (3)-32	1-Sep-25	Night time	1	472	-	400-500	-	Pass

Technical Management
Supot Salamteh
Section Head

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Assistant Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2577434 (3)
Date Received : Sep 03, 2025
Date Reported : Sep 04, 2025
Report Number: 2577434 (3)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
10	Spot : Electrical and Control Building : 3rd Floor : Electrical Leader	2577434 (3)-33	1-Sep-25	Day time	1	479	-	400-500	-	Pass
		2577434 (3)-34	1-Sep-25	Night time	1	492	-	400-500	-	Pass
11	Spot : Electrical and Control Building : 3rd Floor : Helper	2577434 (3)-35	1-Sep-25	Day time	1	530	-	400-500	-	Pass
		2577434 (3)-36	1-Sep-25	Night time	1	413	-	400-500	-	Pass
12	Spot : Electrical and Control Building : 3rd Floor : I&C Leader	2577434 (3)-37	1-Sep-25	Day time	1	440	-	400-500	-	Pass
		2577434 (3)-38	1-Sep-25	Night time	1	459	-	400-500	-	Pass
13	Spot : Electrical and Control Building : 3rd Floor : I&C Engineer 1	2577434 (3)-39	1-Sep-25	Day time	1	450	-	400-500	-	Pass
		2577434 (3)-40	1-Sep-25	Night time	1	456	-	400-500	-	Pass
14	Spot : Electrical and Control Building : 3rd Floor : I&C Engineer 2	2577434 (3)-41	1-Sep-25	Day time	1	422	-	400-500	-	Pass
		2577434 (3)-42	1-Sep-25	Night time	1	460	-	400-500	-	Pass
16	Spot : Electrical and Control Building : 3rd Floor : Mechanical Engineer 1	2577434 (3)-43	1-Sep-25	Day time	1	489	-	400-500	-	Pass
		2577434 (3)-44	1-Sep-25	Night time	1	445	-	400-500	-	Pass
17	Spot : Electrical and Control Building : 3rd Floor : Mechanical Engineer 2	2577434 (3)-45	1-Sep-25	Day time	1	469	-	400-500	-	Pass
		2577434 (3)-46	1-Sep-25	Night time	1	444	-	400-500	-	Pass
18	Spot : Electrical and Control Building : 3rd Floor : Mechanical Leader	2577434 (3)-47	1-Sep-25	Day time	1	416	-	400-500	-	Pass
		2577434 (3)-48	1-Sep-25	Night time	1	410	-	400-500	-	Pass
19	Spot : Electrical and Control Building : 3rd Floor : Maintenance Manager	2577434 (3)-49	1-Sep-25	Day time	1	484	-	400-500	-	Pass
		2577434 (3)-50	1-Sep-25	Night time	1	463	-	400-500	-	Pass
20	Area : Electrical and Control Building : 3rd Floor : Men Toilet	2577434 (3)-51	1-Sep-25	Day time	1	560	582	50	100	Pass
		2577434 (3)-52	1-Sep-25	Day time	2	603				
		2577434 (3)-53	1-Sep-25	Night time	1	588	535	50	100	Pass
		2577434 (3)-54	1-Sep-25	Night time	2	482				

Technical Management
Supot Salamteh
Section Head

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Analysis / Test Report

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2577434 (3)
Date Received : Sep 03, 2025
Date Reported : Sep 04, 2025
Report Number : 2577434 (3)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
21	Area : Electrical and Control Building : 3rd Floor : Meeting Room 1	2577434 (3)-55	1-Sep-25	Day time	1	350	385	150	300	Pass
		2577434 (3)-56	1-Sep-25	Day time	2	507				
		2577434 (3)-57	1-Sep-25	Day time	3	383				
		2577434 (3)-58	1-Sep-25	Day time	4	325				
		2577434 (3)-59	1-Sep-25	Day time	5	413				
		2577434 (3)-60	1-Sep-25	Day time	6	333				
		2577434 (3)-61	1-Sep-25	Night time	1	359	409	150	300	Pass
		2577434 (3)-62	1-Sep-25	Night time	2	539				
		2577434 (3)-63	1-Sep-25	Night time	3	406				
		2577434 (3)-64	1-Sep-25	Night time	4	358				
		2577434 (3)-65	1-Sep-25	Night time	5	427				
		2577434 (3)-66	1-Sep-25	Night time	6	367				
22	Area : Electrical and Control Building : 3rd Floor : Pantry&Canteen	2577434 (3)-67	1-Sep-25	Day time	1	600	718	150	300	Pass
		2577434 (3)-68	1-Sep-25	Day time	2	835				
		2577434 (3)-69	1-Sep-25	Night time	1	495	398	150	300	Pass
		2577434 (3)-70	1-Sep-25	Night time	2	300				
23	Spot : Electrical and Control Building : 3rd Floor : Plant Manager	2577434 (3)-71	1-Sep-25	Day time	1	512	-	400-500	-	Pass
		2577434 (3)-72	1-Sep-25	Night time	1	410	-	400-500	-	Pass
24	Spot : Electrical and Control Building : 3rd Floor : Purchase	2577434 (3)-73	1-Sep-25	Day time	1	480	-	400-500	-	Pass
		2577434 (3)-74	1-Sep-25	Night time	1	410	-	400-500	-	Pass
25	Area : Electrical and Control Building : 3rd Floor : Server Room	2577434 (3)-75	1-Sep-25	Day time	1	286	304	100	200	Pass
		2577434 (3)-76	1-Sep-25	Day time	2	322				
26	Area : Electrical and Control Building : 3rd Floor : Storage Room	2577434 (3)-77	1-Sep-25	Day time	1	106	104	50	100	Pass
		2577434 (3)-78	1-Sep-25	Day time	2	102				
		2577434 (3)-79	1-Sep-25	Night time	1	100	100	50	100	Pass
		2577434 (3)-80	1-Sep-25	Night time	2	101				
27	Area : Electrical and Control Building : 3rd Floor : Updown Main Way (Stair)	2577434 (3)-81	1-Sep-25	Day time	1	200	349	50	100	Pass
		2577434 (3)-82	1-Sep-25	Day time	2	250				
		2577434 (3)-83	1-Sep-25	Day time	3	596				
28	Spot : Electrical and Control Building : 3rd Floor : Warehouse	2577434 (3)-87	1-Sep-25	Day time	1	437	-	400-500	-	Pass
		2577434 (3)-88	1-Sep-25	Night time	1	402	-	400-500	-	Pass

Technical Management — Supot Salamteh, Section Head
Approved by — Wichan Choonharat, Assistant Manager

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P/O :
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Project Location: GBL

Lot ID: 2577434 (3)
Date Received : Sep 03, 2025
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GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
29	Area : Electrical and Control Building : 3rd Floor : Women Toilet	2577434 (3)-89	1-Sep-25	Day time	1	478	424	50	100	Pass
		2577434 (3)-90	1-Sep-25	Day time	2	370				
		2577434 (3)-91	1-Sep-25	Night time	1	486	414	50	100	Pass
		2577434 (3)-92	1-Sep-25	Night time	2	341				
30	Area : Electrical and Control Building : 3rd Floor : Meeting Room 2	2577434 (3)-93	1-Sep-25	Day time	1	300	315	150	300	Pass
		2577434 (3)-94	1-Sep-25	Day time	2	330				

Measurement by : Traimonthon Tipwan

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management — Supot Salamteh, Section Head
Approved by — Wichan Choonharat, Assistant Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2577434 (4)
Date Received : Sep 03, 2025
Date Reported : Sep 03, 2025
Report Number : 2577434 (4)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
1	Area : GIS Building : 115 Kv (บริเวณคุม Control)	2577434 (4)-1	1-Sep-25	Day time	1	492	584	100	200	Pass
		2577434 (4)-2	1-Sep-25	Day time	2	539				
		2577434 (4)-3	1-Sep-25	Day time	3	687				
		2577434 (4)-4	1-Sep-25	Day time	4	606				
		2577434 (4)-5	1-Sep-25	Day time	5	480				
		2577434 (4)-6	1-Sep-25	Day time	6	700				
		2577434 (4)-7	1-Sep-25	Night time	1	465	568	100	200	Pass
		2577434 (4)-8	1-Sep-25	Night time	2	519				
		2577434 (4)-9	1-Sep-25	Night time	3	649				
		2577434 (4)-10	1-Sep-25	Night time	4	605				
		2577434 (4)-11	1-Sep-25	Night time	5	474				
		2577434 (4)-12	1-Sep-25	Night time	6	694				
2	Area : GIS Building : 22 Kv Switch Gear Room (บริเวณคุม Control)	2577434 (4)-13	1-Sep-25	Day time	1	518	613	100	200	Pass
		2577434 (4)-14	1-Sep-25	Day time	2	700				
		2577434 (4)-15	1-Sep-25	Day time	3	620				
		2577434 (4)-16	1-Sep-25	Night time	1	384	518	100	200	Pass
		2577434 (4)-17	1-Sep-25	Night time	2	551				
		2577434 (4)-18	1-Sep-25	Night time	3	618				
3	Area : GIS Building : Switchyard Control Room (บริเวณคุม Control)	2577434 (4)-19	1-Sep-25	Day time	1	377	313	100	200	Pass
		2577434 (4)-20	1-Sep-25	Day time	2	289				
		2577434 (4)-21	1-Sep-25	Day time	3	273				
		2577434 (4)-22	1-Sep-25	Night time	1	204	244	100	200	Pass
		2577434 (4)-23	1-Sep-25	Night time	2	265				
		2577434 (4)-24	1-Sep-25	Night time	3	263				
4	Area : GIS Building : Switchyard Control Room (Battery Room)	2577434 (4)-25	1-Sep-25	Day time	1	207	201	100	200	Pass
		2577434 (4)-26	1-Sep-25	Day time	2	195				
		2577434 (4)-27	1-Sep-25	Night time	1	211	202	100	200	Pass
		2577434 (4)-28	1-Sep-25	Night time	2	192				
5	Area : GIS Building : Terminal Sub Control Room (บริเวณคุม Control)	2577434 (4)-29	1-Sep-25	Day time	1	320	356	100	200	Pass
		2577434 (4)-30	1-Sep-25	Day time	2	374				
		2577434 (4)-31	1-Sep-25	Day time	3	375				
		2577434 (4)-32	1-Sep-25	Night time	1	334	380	100	200	Pass
		2577434 (4)-33	1-Sep-25	Night time	2	344				
		2577434 (4)-34	1-Sep-25	Night time	3	462				

Technical Management — Supot Salamteh, Section Head
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2577434 (4)
Date Received : Sep 03, 2025
Date Reported : Sep 03, 2025
Report Number : 2577434 (4)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
6	Area : GIS Building : Terminal Sub Control Room (Battery Room)	2577434 (4)-35	1-Sep-25	Day time	1	395	387	100	200	Pass
		2577434 (4)-36	1-Sep-25	Day time	2	379				
		2577434 (4)-37	1-Sep-25	Night time	1	403	396	100	200	Pass
		2577434 (4)-38	1-Sep-25	Night time	2	390				

Measurement by : Traimonthon Tipwan

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2577434 (5)
Date Received : Sep 03, 2025
Date Reported : Sep 03, 2025
Report Number: 2577434 (5)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
1	Spot : บ้อย ทน. : ใช้ระยะทาง	2577434 (5)-1	1-Sep-25	Day time	1	603	-	400-500	-	Pass
		2577434 (5)-2	1-Sep-25	Night time	1	403	-	400-500	-	Pass

Measurement by : Traimonthon Tipwan

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Technical Management
Supot Salamteh
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2581471 (7)
Date Received : Sep 04, 2025
Date Reported : Sep 04, 2025
Report Number: 2581471 (7)-1 C1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
1	Spot : Workshop First Floor : C&I Engineer #1	2581471 (7)-1	2-Sep-25	Day time	1	620	-	400-500	-	Pass
		2581471 (7)-2	2-Sep-25	Night time	1	469	-	400-500	-	Pass
2	Spot : Workshop First Floor : C&I Engineer #1.1	2581471 (7)-3	2-Sep-25	Day time	1	498	-	400-500	-	Pass
		2581471 (7)-4	2-Sep-25	Night time	1	498	-	400-500	-	Pass
3	Spot : Workshop First Floor : C&I Helper	2581471 (7)-5	2-Sep-25	Day time	1	612	-	400-500	-	Pass
		2581471 (7)-6	2-Sep-25	Night time	1	607	-	400-500	-	Pass
4	Spot : Workshop First Floor : C&I Leader	2581471 (7)-7	2-Sep-25	Day time	1	527	-	400-500	-	Pass
		2581471 (7)-8	2-Sep-25	Night time	1	619	-	400-500	-	Pass
5	Area : Workshop First Floor : Canteen & Pantry (พื้นที่เตรียมอาหาร)	2581471 (7)-9	2-Sep-25	Day time	1	662	652	150	300	Pass
		2581471 (7)-10	2-Sep-25	Day time	2	643				
		2581471 (7)-11	2-Sep-25	Night time	1	473	442	150	300	Pass
		2581471 (7)-12	2-Sep-25	Night time	2	410				
6	Area : Workshop First Floor : Copy Room	2581471 (7)-13	2-Sep-25	Day time	1	558	608	150	300	Pass
		2581471 (7)-14	2-Sep-25	Day time	2	659				
		2581471 (7)-15	2-Sep-25	Night time	1	528	590	150	300	Pass
		2581471 (7)-16	2-Sep-25	Night time	2	652				
7	Area : Workshop First Floor : Corridor	2581471 (7)-17	2-Sep-25	Day time	1	320	663	50	100	Pass
		2581471 (7)-18	2-Sep-25	Day time	2	757				
		2581471 (7)-19	2-Sep-25	Day time	3	785				
		2581471 (7)-20	2-Sep-25	Day time	4	789				
		2581471 (7)-21	2-Sep-25	Night time	1	321	662	50	100	Pass
		2581471 (7)-22	2-Sep-25	Night time	2	765				
		2581471 (7)-23	2-Sep-25	Night time	3	781				
		2581471 (7)-24	2-Sep-25	Night time	4	780				
8	Area : Workshop First Floor : Document Room	2581471 (7)-25	2-Sep-25	Day time	1	1,605	1692	150	300	Pass
		2581471 (7)-26	2-Sep-25	Day time	2	1,780				
		2581471 (7)-27	2-Sep-25	Night time	1	418	416	150	300	Pass
		2581471 (7)-28	2-Sep-25	Night time	2	415				
9	Spot : Workshop First Floor : MM Engineer #2	2581471 (7)-29	2-Sep-25	Day time	1	542	-	400-500	-	Pass
		2581471 (7)-30	2-Sep-25	Night time	1	548	-	400-500	-	Pass

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P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2581471 (7)
Date Received : Sep 04, 2025
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Report Number: 2581471 (7)-1 C1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
10	Area : Workshop First Floor : Meeting Room	2581471 (7)-31	2-Sep-25	Day time	1	948	1139	150	300	Pass
		2581471 (7)-32	2-Sep-25	Day time	2	875				
		2581471 (7)-33	2-Sep-25	Day time	3	872				
		2581471 (7)-34	2-Sep-25	Day time	4	1,537				
		2581471 (7)-35	2-Sep-25	Day time	5	1,062				
		2581471 (7)-36	2-Sep-25	Day time	6	1,538				
		2581471 (7)-37	2-Sep-25	Night time	1	418	509	150	300	Pass
		2581471 (7)-38	2-Sep-25	Night time	2	305				
		2581471 (7)-39	2-Sep-25	Night time	3	585				
		2581471 (7)-40	2-Sep-25	Night time	4	678				
		2581471 (7)-41	2-Sep-25	Night time	5	590				
		2581471 (7)-42	2-Sep-25	Night time	6	476				
11	Spot : Workshop First Floor : MM Engineer #1	2581471 (7)-43	2-Sep-25	Day time	1	425	-	400-500	-	Pass
		2581471 (7)-44	2-Sep-25	Night time	1	418	-	400-500	-	Pass
12	Spot : Workshop First Floor : MM Leader	2581471 (7)-45	2-Sep-25	Day time	1	457	-	400-500	-	Pass
		2581471 (7)-46	2-Sep-25	Night time	1	433	-	400-500	-	Pass
13	Spot : Workshop First Floor : IT Office	2581471 (7)-47	2-Sep-25	Day time	1	580	-	400-500	-	Pass
		2581471 (7)-48	2-Sep-25	Night time	1	577	-	400-500	-	Pass
14	Area : Workshop First Floor : Restroom : Female	2581471 (7)-49	2-Sep-25	Day time	1	102	102	50	100	Pass
		2581471 (7)-50	2-Sep-25	Day time	2	103				
		2581471 (7)-51	2-Sep-25	Night time	1	101	102	50	100	Pass
		2581471 (7)-52	2-Sep-25	Night time	2	102				
15	Area : Workshop First Floor : Restroom : Male	2581471 (7)-53	2-Sep-25	Day time	1	321	411	50	100	Pass
		2581471 (7)-54	2-Sep-25	Day time	2	487				
		2581471 (7)-55	2-Sep-25	Day time	3	369				
		2581471 (7)-56	2-Sep-25	Day time	4	467				
		2581471 (7)-57	2-Sep-25	Night time	1	215	361	50	100	Pass
		2581471 (7)-58	2-Sep-25	Night time	2	435				
		2581471 (7)-59	2-Sep-25	Night time	3	365				
		2581471 (7)-60	2-Sep-25	Night time	4	428				
16	Spot : Workshop First Floor : Electrical Engineering #1	2581471 (7)-61	2-Sep-25	Day time	1	663	-	400-500	-	Pass
		2581471 (7)-62	2-Sep-25	Night time	1	665	-	400-500	-	Pass

Technical Management
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Section Head

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GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
17	Spot : Workshop First Floor : Electrical Engineering #2	2581471 (7)-63	2-Sep-25	Day time	1	705	-	400-500	-	Pass
		2581471 (7)-64	2-Sep-25	Night time	1	571	-	400-500	-	Pass
18	Spot : Workshop First Floor : Electrical Helper	2581471 (7)-65	2-Sep-25	Day time	1	569	-	400-500	-	Pass
		2581471 (7)-66	2-Sep-25	Night time	1	443	-	400-500	-	Pass
19	Spot : Workshop First Floor : Electrical Leader	2581471 (7)-67	2-Sep-25	Day time	1	546	-	400-500	-	Pass
		2581471 (7)-68	2-Sep-25	Night time	1	434	-	400-500	-	Pass
20	Spot : Workshop First Floor : Maintence Manager	2581471 (7)-69	2-Sep-25	Day time	1	663	-	400-500	-	Pass
		2581471 (7)-70	2-Sep-25	Night time	1	597	-	400-500	-	Pass

Measurement by : Traimonthon Tipwan

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management
Supot Salamteh
Section Head

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
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Project Location: GBL

Lot ID: 2581471 (8)
Date Received : Sep 04, 2025
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Report Number: 2581471 (8)-1 C1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
1	Area : Workshop Ground Floor : C&I Workshop	2581471 (8)-1	2-Sep-25	Day time	1	578	560	100	200	Pass
		2581471 (8)-2	2-Sep-25	Day time	2	557				
		2581471 (8)-3	2-Sep-25	Day time	3	559				
		2581471 (8)-4	2-Sep-25	Day time	4	547				
		2581471 (8)-5	2-Sep-25	Night time	1	558	536	100	200	Pass
		2581471 (8)-6	2-Sep-25	Night time	2	526				
		2581471 (8)-7	2-Sep-25	Night time	3	521				
		2581471 (8)-8	2-Sep-25	Night time	4	540				
2	Area : Workshop Ground Floor : Corridor (โซนกลางทางเดินกลางห้องผลิตกลางหาร)	2581471 (8)-9	2-Sep-25	Day time	1	500	520	50	100	Pass
		2581471 (8)-10	2-Sep-25	Day time	2	482				
		2581471 (8)-11	2-Sep-25	Day time	3	498				
		2581471 (8)-12	2-Sep-25	Day time	4	609				
		2581471 (8)-13	2-Sep-25	Day time	5	522				
		2581471 (8)-14	2-Sep-25	Day time	6	552				
		2581471 (8)-15	2-Sep-25	Day time	7	478				
		2581471 (8)-16	2-Sep-25	Night time	1	393	461	50	100	Pass
		2581471 (8)-17	2-Sep-25	Night time	2	475				
		2581471 (8)-18	2-Sep-25	Night time	3	485				
		2581471 (8)-19	2-Sep-25	Night time	4	509				
		2581471 (8)-20	2-Sep-25	Night time	5	466				
		2581471 (8)-21	2-Sep-25	Night time	6	411				
		2581471 (8)-22	2-Sep-25	Night time	7	485				

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GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
3	Area : Workshop Ground Floor : Mechanical and Electrical Workshop	2581471 (8)-23	2-Sep-25	Day time	1	592	603	150	300	Pass
		2581471 (8)-24	2-Sep-25	Day time	2	568				
		2581471 (8)-25	2-Sep-25	Day time	3	590				
		2581471 (8)-26	2-Sep-25	Day time	4	663				
		2581471 (8)-27	2-Sep-25	Day time	5	625				
		2581471 (8)-28	2-Sep-25	Day time	6	680				
		2581471 (8)-29	2-Sep-25	Day time	7	513				
		2581471 (8)-30	2-Sep-25	Day time	8	615				
		2581471 (8)-31	2-Sep-25	Day time	9	580				
		2581471 (8)-32	2-Sep-25	Night time	1	772	1014	150	300	Pass
		2581471 (8)-33	2-Sep-25	Night time	2	759				
		2581471 (8)-34	2-Sep-25	Night time	3	976				
		2581471 (8)-35	2-Sep-25	Night time	4	1,078				
		2581471 (8)-36	2-Sep-25	Night time	5	1,138				
		2581471 (8)-37	2-Sep-25	Night time	6	1,069				
		2581471 (8)-38	2-Sep-25	Night time	7	1,172				
		2581471 (8)-39	2-Sep-25	Night time	8	1,097				
		2581471 (8)-40	2-Sep-25	Night time	9	1,078				
4	Area : Workshop Ground Floor : Restroom : Female	2581471 (8)-41	2-Sep-25	Day time	1	457	476	50	100	Pass
		2581471 (8)-42	2-Sep-25	Day time	2	496				
		2581471 (8)-43	2-Sep-25	Night time	1	428	452	50	100	Pass
		2581471 (8)-44	2-Sep-25	Night time	2	475				
5	Area : Workshop Ground Floor : Restroom : Male	2581471 (8)-45	2-Sep-25	Day time	1	720	785	50	100	Pass
		2581471 (8)-46	2-Sep-25	Day time	2	850				
		2581471 (8)-47	2-Sep-25	Night time	1	717	784	50	100	Pass
		2581471 (8)-48	2-Sep-25	Night time	2	852				
6	Area : Workshop Ground Floor : Server Room	2581471 (8)-49	2-Sep-25	Day time	1	456	435	100	200	Pass
		2581471 (8)-50	2-Sep-25	Day time	2	414				
		2581471 (8)-51	2-Sep-25	Night time	1	458	420	100	200	Pass
		2581471 (8)-52	2-Sep-25	Night time	2	382				

Technical Management — Supot Salamteh, Section Head
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Project Location: GBL

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GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
8	Area : Workshop Ground Floor : Tool Room	2581471 (8)-59	2-Sep-25	Day time	1	712	468	50	100	Pass
		2581471 (8)-60	2-Sep-25	Day time	2	404				
		2581471 (8)-61	2-Sep-25	Day time	3	334				
		2581471 (8)-62	2-Sep-25	Day time	4	480				
		2581471 (8)-63	2-Sep-25	Day time	5	390				
		2581471 (8)-64	2-Sep-25	Day time	6	486				
		2581471 (8)-65	2-Sep-25	Night time	1	700	463	50	100	Pass
		2581471 (8)-66	2-Sep-25	Night time	2	402				
		2581471 (8)-67	2-Sep-25	Night time	3	330				
		2581471 (8)-68	2-Sep-25	Night time	4	476				
		2581471 (8)-69	2-Sep-25	Night time	5	392				
		2581471 (8)-70	2-Sep-25	Night time	6	477				
9	Area : Workshop Ground Floor : Unsecured Heavy/Bulky Equipment Storage (Zone ตึงทางเข้า)	2581471 (8)-71	2-Sep-25	Day time	1	217	395	50	100	Pass
		2581471 (8)-72	2-Sep-25	Day time	2	485				
		2581471 (8)-73	2-Sep-25	Day time	3	498				
		2581471 (8)-74	2-Sep-25	Day time	4	285				
		2581471 (8)-75	2-Sep-25	Day time	5	315				
		2581471 (8)-76	2-Sep-25	Day time	6	557				
		2581471 (8)-77	2-Sep-25	Day time	7	568				
		2581471 (8)-78	2-Sep-25	Day time	8	238				
		2581471 (8)-79	2-Sep-25	Night time	1	200	251	50	100	Pass
		2581471 (8)-80	2-Sep-25	Night time	2	318				
		2581471 (8)-81	2-Sep-25	Night time	3	215				
		2581471 (8)-82	2-Sep-25	Night time	4	211				
		2581471 (8)-83	2-Sep-25	Night time	5	204				
		2581471 (8)-84	2-Sep-25	Night time	6	318				
		2581471 (8)-85	2-Sep-25	Night time	7	328				
		2581471 (8)-86	2-Sep-25	Night time	8	211				
10	Area : Workshop Ground Floor : Unsecured Warehouse (Rack GBP-C & GBP-B)	2581471 (8)-87	2-Sep-25	Day time	1	265	272	50	100	Pass
		2581471 (8)-88	2-Sep-25	Day time	2	278				
		2581471 (8)-89	2-Sep-25	Night time	1	260	236	50	100	Pass
		2581471 (8)-90	2-Sep-25	Night time	2	211				
11	Area : Workshop Ground Floor : Utility Room	2581471 (8)-91	2-Sep-25	Day time	1	553	552	50	100	Pass
		2581471 (8)-92	2-Sep-25	Day time	2	552				
		2581471 (8)-93	2-Sep-25	Night time	1	556	552	50	100	Pass
		2581471 (8)-94	2-Sep-25	Night time	2	548				

Technical Management — Supot Salamteh, Section Head
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 2581471 (8)
Date Received : Sep 04, 2025
Date Reported : Sep 04, 2025
Report Number: 2581471 (8)-1 C1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
12	Spot : Workshop Ground Floor ; Warehouse Office Table 1	2581471 (8)-95	2-Sep-25	Day time	1	535	-	400-500	-	Pass
		2581471 (8)-96	2-Sep-25	Night time	1	502	-	400-500	-	Pass
13	Spot : Workshop Ground Floor ; Warehouse Office Table 2	2581471 (8)-97	2-Sep-25	Day time	1	666	-	400-500	-	Pass
		2581471 (8)-98	2-Sep-25	Night time	1	511	-	400-500	-	Pass

Measurement by : Traimonthon Tipwan

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 25104354 (1)
Date Received : Dec 19, 2025
Date Reported : Dec 19, 2025
Report Number: 25104354 (1)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
1	Area : Electrical and Control Building : 1st Floor : Break Out Room	25104354 (1)-1	17-Dec-25	Day time	1	282	302	25	50	Pass
		25104354 (1)-2	17-Dec-25	Day time	2	323				
		25104354 (1)-3	17-Dec-25	Night time	1	258	262	25	50	Pass
		25104354 (1)-4	17-Dec-25	Night time	2	265				
2	Area : Electrical and Control Building : 1st Floor : Corridor (บริเวณทางเดินประตูทางเข้า)	25104354 (1)-5	17-Dec-25	Day time	1	426	576	50	100	Pass
		25104354 (1)-6	17-Dec-25	Day time	2	726				
		25104354 (1)-7	17-Dec-25	Night time	1	447	502	50	100	Pass
		25104354 (1)-8	17-Dec-25	Night time	2	558				
3	Area : Electrical and Control Building : 1st Floor : Store Room	25104354 (1)-9	17-Dec-25	Day time	1	356	467	50	100	Pass
		25104354 (1)-10	17-Dec-25	Day time	2	578				
		25104354 (1)-11	17-Dec-25	Night time	1	195	212	50	100	Pass
		25104354 (1)-12	17-Dec-25	Night time	2	230				
4	Area : Electrical and Control Building : 1st Floor : Switchgear and Electrical Equipment Room Zone หน้า (หน่วยควบคุม Control)	25104354 (1)-13	17-Dec-25	Day time	1	375	340	100	200	Pass
		25104354 (1)-14	17-Dec-25	Day time	2	320				
		25104354 (1)-15	17-Dec-25	Day time	3	369				
		25104354 (1)-16	17-Dec-25	Day time	4	305				
		25104354 (1)-17	17-Dec-25	Day time	5	345				
		25104354 (1)-18	17-Dec-25	Day time	6	286				
		25104354 (1)-19	17-Dec-25	Day time	7	377				
		25104354 (1)-20	17-Dec-25	Night time	1	378	332	100	200	Pass
		25104354 (1)-21	17-Dec-25	Night time	2	320				
		25104354 (1)-22	17-Dec-25	Night time	3	356				
		25104354 (1)-23	17-Dec-25	Night time	4	288				
		25104354 (1)-24	17-Dec-25	Night time	5	286				
		25104354 (1)-25	17-Dec-25	Night time	6	267				
		25104354 (1)-26	17-Dec-25	Night time	7	430				
5	Area : Electrical and Control Building : 1st Floor : Switchgear and Electrical Equipment Room (Battery Room)	25104354 (1)-27	17-Dec-25	Day time	1	562	524	100	200	Pass
		25104354 (1)-28	17-Dec-25	Day time	2	485				
		25104354 (1)-29	17-Dec-25	Night time	1	533	614	100	200	Pass
		25104354 (1)-30	17-Dec-25	Night time	2	695				

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Analysis / Test Report

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
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Project Location: GBL

Lot ID: 25104354 (1)
Date Received : Dec 19, 2025
Date Reported : Dec 19, 2025
Report Number: 25104354 (1)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
6	Area : Electrical and Control Building : 1st Floor : Switchgear and Electrical Equipment Room (หน่วยควบคุม Control)	25104354 (1)-31	17-Dec-25	Day time	1	482	408	100	200	Pass
		25104354 (1)-32	17-Dec-25	Day time	2	451				
		25104354 (1)-33	17-Dec-25	Day time	3	537				
		25104354 (1)-34	17-Dec-25	Day time	4	370				
		25104354 (1)-35	17-Dec-25	Day time	5	260				
		25104354 (1)-36	17-Dec-25	Day time	6	315				
		25104354 (1)-37	17-Dec-25	Day time	7	442				
		25104354 (1)-38	17-Dec-25	Night time	1	557	438	100	200	Pass
		25104354 (1)-39	17-Dec-25	Night time	2	421				
		25104354 (1)-40	17-Dec-25	Night time	3	492				
		25104354 (1)-41	17-Dec-25	Night time	4	428				
		25104354 (1)-42	17-Dec-25	Night time	5	300				
		25104354 (1)-43	17-Dec-25	Night time	6	417				
		25104354 (1)-44	17-Dec-25	Night time	7	450				

Measurement by : Buranasak Pati

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management — Supot Salamteh, Section Head
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Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 25104354 (2)
Date Received : Dec 19, 2025
Date Reported : Dec 19, 2025
Report Number: 25104354 (2)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
1	Area : Electrical and Control Building : 2nd Floor : Break Out Area (บริเวณโซนพัก)	25104354 (2)-1	17-Dec-25	Day time	1	286	272	50	100	Pass
		25104354 (2)-2	17-Dec-25	Day time	2	258				
		25104354 (2)-3	17-Dec-25	Night time	1	140	130	50	100	Pass
		25104354 (2)-4	17-Dec-25	Night time	2	120				
6	Area : Electrical and Control Building : 2nd Floor : Lobby Corridor (ทางเดินหน้าห้องน้ำ)	25104354 (2)-5	17-Dec-25	Day time	1	120	197	50	100	Pass
		25104354 (2)-6	17-Dec-25	Day time	2	115				
		25104354 (2)-7	17-Dec-25	Day time	3	160				
		25104354 (2)-8	17-Dec-25	Day time	4	161				
		25104354 (2)-9	17-Dec-25	Day time	5	182				
		25104354 (2)-10	17-Dec-25	Day time	6	206				
		25104354 (2)-11	17-Dec-25	Day time	7	433				
		25104354 (2)-12	17-Dec-25	Night time	1	113	216	50	100	Pass
		25104354 (2)-13	17-Dec-25	Night time	2	154				
		25104354 (2)-14	17-Dec-25	Night time	3	189				
		25104354 (2)-15	17-Dec-25	Night time	4	160				
		25104354 (2)-16	17-Dec-25	Night time	5	195				
		25104354 (2)-17	17-Dec-25	Night time	6	212				
		25104354 (2)-18	17-Dec-25	Night time	7	486				
7	Area : Electrical and Control Building : 2nd Floor : Men Toilet	25104354 (2)-19	17-Dec-25	Day time	1	300	493	50	100	Pass
		25104354 (2)-20	17-Dec-25	Day time	2	524				
		25104354 (2)-21	17-Dec-25	Day time	3	619				
		25104354 (2)-22	17-Dec-25	Day time	4	530				
		25104354 (2)-23	17-Dec-25	Night time	1	320	468	50	100	Pass
		25104354 (2)-24	17-Dec-25	Night time	2	483				
		25104354 (2)-25	17-Dec-25	Night time	3	561				
		25104354 (2)-26	17-Dec-25	Night time	4	508				
8	Spot : Electrical and Control Building : 2nd Floor : Operation Manager	25104354 (2)-27	17-Dec-25	Day time	1	405	-	400-500	-	Pass
		25104354 (2)-28	17-Dec-25	Night time	1	401	-	400-500	-	Pass

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 25104354 (2)
Date Received : Dec 19, 2025
Date Reported : Dec 19, 2025
Report Number: 25104354 (2)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
9	Area : Electrical and Control Building : 2nd Floor : Pantry	25104354 (2)-29	17-Dec-25	Day time	1	403	374	150	300	Pass
		25104354 (2)-30	17-Dec-25	Day time	2	380				
		25104354 (2)-31	17-Dec-25	Day time	3	364				
		25104354 (2)-32	17-Dec-25	Day time	4	348				
		25104354 (2)-33	17-Dec-25	Night time	1	636	459	150	300	Pass
		25104354 (2)-34	17-Dec-25	Night time	2	305				
		25104354 (2)-35	17-Dec-25	Night time	3	427				
		25104354 (2)-36	17-Dec-25	Night time	4	467				
10	Spot : Electrical and Control Building : 2nd Floor : Shift Day Time 2	25104354 (2)-37	17-Dec-25	Day time	1	443	-	400-500	-	Pass
		25104354 (2)-38	17-Dec-25	Night time	1	403	-	400-500	-	Pass
11	Spot : Electrical and Control Building : 2nd Floor : Shift Day Time 1	25104354 (2)-39	17-Dec-25	Day time	1	423	-	400-500	-	Pass
		25104354 (2)-40	17-Dec-25	Night time	1	405	-	400-500	-	Pass
15	Area : Electrical and Control Building : 2nd Floor : Up-down Main Way (Stair)	25104354 (2)-41	17-Dec-25	Day time	1	173	594	50	100	Pass
		25104354 (2)-42	17-Dec-25	Day time	2	823				
		25104354 (2)-43	17-Dec-25	Day time	3	787				
		25104354 (2)-44	17-Dec-25	Night time	1	110	125	50	100	Pass
		25104354 (2)-45	17-Dec-25	Night time	2	151				
		25104354 (2)-46	17-Dec-25	Night time	3	114				
16	Area : Electrical and Control Building : 2nd Floor : Utility Room	25104354 (2)-47	17-Dec-25	Day time	1	678	655	100	200	Pass
		25104354 (2)-48	17-Dec-25	Day time	2	632				
		25104354 (2)-49	17-Dec-25	Night time	1	719	683	100	200	Pass
		25104354 (2)-50	17-Dec-25	Night time	2	647				
17	Area : Electrical and Control Building : 2nd Floor : Women Toilet	25104354 (2)-51	17-Dec-25	Day time	1	430	470	50	100	Pass
		25104354 (2)-52	17-Dec-25	Day time	2	510				
		25104354 (2)-53	17-Dec-25	Night time	1	440	468	50	100	Pass
		25104354 (2)-54	17-Dec-25	Night time	2	496				

Measurement by : Buranasak Pati

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 25104354 (3)
Date Received : Dec 19, 2025
Date Reported : Dec 19, 2025
Report Number: 25104354 (3)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
2	Spot : Electrical and Control Building : 3rd Floor : Admin Helper 2	25104354 (3)-1	17-Dec-25	Day time	1	439	-	400-500	-	Pass
		25104354 (3)-2	17-Dec-25	Night time	1	403	-	400-500	-	Pass
3	Spot : Electrical and Control Building : 3rd Floor : Admin Manager	25104354 (3)-3	17-Dec-25	Day time	1	408	-	400-500	-	Pass
		25104354 (3)-4	17-Dec-25	Night time	1	402	-	400-500	-	Pass
4	Area : Electrical and Control Building : 3rd Floor : Copy Room	25104354 (3)-5	17-Dec-25	Day time	1	486	463	150	300	Pass
		25104354 (3)-6	17-Dec-25	Day time	2	440				
		25104354 (3)-7	17-Dec-25	Night time	1	459	456	150	300	Pass
		25104354 (3)-8	17-Dec-25	Night time	2	453				
5	Area : Electrical and Control Building : 3rd Floor : Corridor (ทางเดินหน้าห้องน้ำ)	25104354 (3)-9	17-Dec-25	Day time	1	121	126	50	100	Pass
		25104354 (3)-10	17-Dec-25	Day time	2	137				
		25104354 (3)-11	17-Dec-25	Day time	3	145				
		25104354 (3)-12	17-Dec-25	Day time	4	122				
		25104354 (3)-13	17-Dec-25	Day time	5	117				
		25104354 (3)-14	17-Dec-25	Day time	6	124				
		25104354 (3)-15	17-Dec-25	Day time	7	113				
		25104354 (3)-16	17-Dec-25	Night time	1	166	155	50	100	Pass
		25104354 (3)-17	17-Dec-25	Night time	2	162				
		25104354 (3)-18	17-Dec-25	Night time	3	160				
		25104354 (3)-19	17-Dec-25	Night time	4	130				
		25104354 (3)-20	17-Dec-25	Night time	5	156				
		25104354 (3)-21	17-Dec-25	Night time	6	153				
		25104354 (3)-22	17-Dec-25	Night time	7	161				
6	Area : Electrical and Control Building : 3rd Floor : Document Room	25104354 (3)-23	17-Dec-25	Day time	1	232	326	150	300	Pass
		25104354 (3)-24	17-Dec-25	Day time	2	419				
		25104354 (3)-25	17-Dec-25	Night time	1	293	324	150	300	Pass
		25104354 (3)-26	17-Dec-25	Night time	2	354				
7	Spot : Electrical and Control Building : 3rd Floor : EHS Manager	25104354 (3)-27	17-Dec-25	Day time	1	405	-	400-500	-	Pass
		25104354 (3)-28	17-Dec-25	Night time	1	404	-	400-500	-	Pass
8	Spot : Electrical and Control Building : 3rd Floor : Electrical Engineer 1	25104354 (3)-29	17-Dec-25	Day time	1	427	-	400-500	-	Pass
		25104354 (3)-30	17-Dec-25	Night time	1	437	-	400-500	-	Pass
9	Spot : Electrical and Control Building : 3rd Floor : Electrical Engineer 2	25104354 (3)-31	17-Dec-25	Day time	1	486	-	400-500	-	Pass
		25104354 (3)-32	17-Dec-25	Night time	1	516	-	400-500	-	Pass

Technical Management
Supot Salamteh
Section Head

Approved by
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 25104354 (3)
Date Received : Dec 19, 2025
Date Reported : Dec 19, 2025
Report Number: 25104354 (3)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
10	Spot : Electrical and Control Building : 3rd Floor : Electrical Leader	25104354 (3)-33	17-Dec-25	Day time	1	422	-	400-500	-	Pass
		25104354 (3)-34	17-Dec-25	Night time	1	403	-	400-500	-	Pass
11	Spot : Electrical and Control Building : 3rd Floor : Helper	25104354 (3)-35	17-Dec-25	Day time	1	580	-	400-500	-	Pass
		25104354 (3)-36	17-Dec-25	Night time	1	490	-	400-500	-	Pass
12	Spot : Electrical and Control Building : 3rd Floor : I&C Leader	25104354 (3)-37	17-Dec-25	Day time	1	448	-	400-500	-	Pass
		25104354 (3)-38	17-Dec-25	Night time	1	416	-	400-500	-	Pass
13	Spot : Electrical and Control Building : 3rd Floor : I&C Engineer 1	25104354 (3)-39	17-Dec-25	Day time	1	526	-	400-500	-	Pass
		25104354 (3)-40	17-Dec-25	Night time	1	463	-	400-500	-	Pass
14	Spot : Electrical and Control Building : 3rd Floor : I&C Engineer 2	25104354 (3)-41	17-Dec-25	Day time	1	467	-	400-500	-	Pass
		25104354 (3)-42	17-Dec-25	Night time	1	458	-	400-500	-	Pass
16	Spot : Electrical and Control Building : 3rd Floor : Mechanical Engineer 1	25104354 (3)-43	17-Dec-25	Day time	1	412	-	400-500	-	Pass
		25104354 (3)-44	17-Dec-25	Night time	1	411	-	400-500	-	Pass
17	Spot : Electrical and Control Building : 3rd Floor : Mechanical Engineer 2	25104354 (3)-45	17-Dec-25	Day time	1	430	-	400-500	-	Pass
		25104354 (3)-46	17-Dec-25	Night time	1	430	-	400-500	-	Pass
18	Spot : Electrical and Control Building : 3rd Floor : Mechanical Leader	25104354 (3)-47	17-Dec-25	Day time	1	443	-	400-500	-	Pass
		25104354 (3)-48	17-Dec-25	Night time	1	404	-	400-500	-	Pass
19	Spot : Electrical and Control Building : 3rd Floor : Maintenance Manager	25104354 (3)-49	17-Dec-25	Day time	1	454	-	400-500	-	Pass
		25104354 (3)-50	17-Dec-25	Night time	1	446	-	400-500	-	Pass
20	Area : Electrical and Control Building : 3rd Floor : Men Toilet	25104354 (3)-51	17-Dec-25	Day time	1	625	621	50	100	Pass
		25104354 (3)-52	17-Dec-25	Day time	2	617				
		25104354 (3)-53	17-Dec-25	Night time	1	618	554	50	100	Pass
		25104354 (3)-54	17-Dec-25	Night time	2	491				

Technical Management
Supot Salamteh
Section Head

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Assistant Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 25104354 (3)
Date Received : Dec 19, 2025
Date Reported : Dec 19, 2025
Report Number: 25104354 (3)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
21	Area : Electrical and Control Building : 3rd Floor : Meeting Room 1	25104354 (3)-55	17-Dec-25	Day time	1	420	404	150	300	Pass
		25104354 (3)-56	17-Dec-25	Day time	2	410				
		25104354 (3)-57	17-Dec-25	Day time	3	386				
		25104354 (3)-58	17-Dec-25	Day time	4	351				
		25104354 (3)-59	17-Dec-25	Day time	5	437				
		25104354 (3)-60	17-Dec-25	Day time	6	420				
		25104354 (3)-61	17-Dec-25	Night time	1	385	384	150	300	Pass
		25104354 (3)-62	17-Dec-25	Night time	2	400				
		25104354 (3)-63	17-Dec-25	Night time	3	370				
		25104354 (3)-64	17-Dec-25	Night time	4	331				
		25104354 (3)-65	17-Dec-25	Night time	5	415				
		25104354 (3)-66	17-Dec-25	Night time	6	403				
22	Area : Electrical and Control Building : 3rd Floor : Pantry&Canteen	25104354 (3)-67	17-Dec-25	Day time	1	931	958	150	300	Pass
		25104354 (3)-68	17-Dec-25	Day time	2	985				
		25104354 (3)-69	17-Dec-25	Night time	1	425	467	150	300	Pass
		25104354 (3)-70	17-Dec-25	Night time	2	509				
23	Spot : Electrical and Control Building : 3rd Floor : Plant Manager	25104354 (3)-71	17-Dec-25	Day time	1	422	-	400-500	-	Pass
		25104354 (3)-72	17-Dec-25	Night time	1	401	-	400-500	-	Pass
24	Spot : Electrical and Control Building : 3rd Floor : Purchase	25104354 (3)-73	17-Dec-25	Day time	1	405	-	400-500	-	Pass
		25104354 (3)-74	17-Dec-25	Night time	1	425	-	400-500	-	Pass
25	Area : Electrical and Control Building : 3rd Floor : Server Room	25104354 (3)-75	17-Dec-25	Day time	1	335	326	100	200	Pass
		25104354 (3)-76	17-Dec-25	Day time	2	316				
26	Area : Electrical and Control Building : 3rd Floor : Storage Room	25104354 (3)-77	17-Dec-25	Day time	1	105	106	50	100	Pass
		25104354 (3)-78	17-Dec-25	Day time	2	106				
		25104354 (3)-79	17-Dec-25	Night time	1	120	122	50	100	Pass
		25104354 (3)-80	17-Dec-25	Night time	2	125				
27	Area : Electrical and Control Building : 3rd Floor : Updown Main Way (Stair)	25104354 (3)-81	17-Dec-25	Day time	1	215	714	50	100	Pass
		25104354 (3)-82	17-Dec-25	Day time	2	1,360				
		25104354 (3)-83	17-Dec-25	Day time	3	568				
		25104354 (3)-84	17-Dec-25	Night time	1	125	140	50	100	Pass
		25104354 (3)-85	17-Dec-25	Night time	2	156				
		25104354 (3)-86	17-Dec-25	Night time	3	139				

Technical Management
Supot Salamteh
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 25104354 (3)
Date Received : Dec 19, 2025
Date Reported : Dec 19, 2025
Report Number: 25104354 (3)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
28	Spot : Electrical and Control Building : 3rd Floor : Warehouse	25104354 (3)-87	17-Dec-25	Day time	1	410	-	400-500	-	Pass
		25104354 (3)-88	17-Dec-25	Night time	1	407	-	400-500	-	Pass
29	Area : Electrical and Control Building : 3rd Floor : Women Toilet	25104354 (3)-89	17-Dec-25	Day time	1	337	369	50	100	Pass
		25104354 (3)-90	17-Dec-25	Day time	2	401				
		25104354 (3)-91	17-Dec-25	Night time	1	612	568	50	100	Pass
		25104354 (3)-92	17-Dec-25	Night time	2	525				
30	Area : Electrical and Control Building : 3rd Floor : Meeting Room 2	25104354 (3)-93	17-Dec-25	Day time	1	305	304	150	300	Pass
		25104354 (3)-94	17-Dec-25	Day time	2	303				

Measurement by : Buranasak Pati

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management
Supot Salamteh
Section Head

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Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 25104354 (4)
Date Received : Dec 19, 2025
Date Reported : Dec 19, 2025
Report Number: 25104354 (4)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
1	Area : GIS Building : 115 Kv (บริเวณคุ Control)	25104354 (4)-1	17-Dec-25	Day time	1	433	532	100	200	Pass
		25104354 (4)-2	17-Dec-25	Day time	2	653				
		25104354 (4)-3	17-Dec-25	Day time	3	365				
		25104354 (4)-4	17-Dec-25	Day time	4	497				
		25104354 (4)-5	17-Dec-25	Day time	5	581				
		25104354 (4)-6	17-Dec-25	Day time	6	664				
		25104354 (4)-7	17-Dec-25	Night time	1	451	465	100	200	Pass
		25104354 (4)-8	17-Dec-25	Night time	2	352				
		25104354 (4)-9	17-Dec-25	Night time	3	362				
		25104354 (4)-10	17-Dec-25	Night time	4	535				
		25104354 (4)-11	17-Dec-25	Night time	5	505				
		25104354 (4)-12	17-Dec-25	Night time	6	587				
2	Area : GIS Building : 22 Kv Switch Gear Room (บริเวณหน้าคุ Control)	25104354 (4)-13	17-Dec-25	Day time	1	577	524	100	200	Pass
		25104354 (4)-14	17-Dec-25	Day time	2	530				
		25104354 (4)-15	17-Dec-25	Day time	3	465				
		25104354 (4)-16	17-Dec-25	Night time	1	524	553	100	200	Pass
		25104354 (4)-17	17-Dec-25	Night time	2	643				
		25104354 (4)-18	17-Dec-25	Night time	3	491				
3	Area : GIS Building : Switchyard Control Room (บริเวณหน้าคุ Control)	25104354 (4)-19	17-Dec-25	Day time	1	650	455	100	200	Pass
		25104354 (4)-20	17-Dec-25	Day time	2	380				
		25104354 (4)-21	17-Dec-25	Day time	3	335				
		25104354 (4)-22	17-Dec-25	Night time	1	195	323	100	200	Pass
		25104354 (4)-23	17-Dec-25	Night time	2	358				
		25104354 (4)-24	17-Dec-25	Night time	3	415				
4	Area : GIS Building : Switchyard Control Room (Battery Room)	25104354 (4)-25	17-Dec-25	Day time	1	215	232	100	200	Pass
		25104354 (4)-26	17-Dec-25	Day time	2	248				
		25104354 (4)-27	17-Dec-25	Night time	1	215	212	100	200	Pass
		25104354 (4)-28	17-Dec-25	Night time	2	208				
5	Area : GIS Building : Terminal Sub Control Room (บริเวณหน้าคุ Control)	25104354 (4)-29	17-Dec-25	Day time	1	340	398	100	200	Pass
		25104354 (4)-30	17-Dec-25	Day time	2	445				
		25104354 (4)-31	17-Dec-25	Day time	3	408				
		25104354 (4)-32	17-Dec-25	Night time	1	407	463	100	200	Pass
		25104354 (4)-33	17-Dec-25	Night time	2	447				
		25104354 (4)-34	17-Dec-25	Night time	3	536				

Technical Management
Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 25104354 (4)
Date Received : Dec 19, 2025
Date Reported : Dec 19, 2025
Report Number: 25104354 (4)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
6	Area : GIS Building : Terminal Sub Control Room (Battery Room)	25104354 (4)-35	17-Dec-25	Day time	1	235	245	100	200	Pass
		25104354 (4)-36	17-Dec-25	Day time	2	255				
		25104354 (4)-37	17-Dec-25	Night time	1	238	254	100	200	Pass
		25104354 (4)-38	17-Dec-25	Night time	2	271				

Measurement by : Buranasak Pati

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management
Supot Salamteh
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P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 25104354 (5)
Date Received : Dec 19, 2025
Date Reported : Dec 19, 2025
Report Number: 25104354 (5)-1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
1	Spot : ปั๊มลม รถไฟ. : ไม่ใช้งานแล้ว	25104354 (5)-1	17-Dec-25	Day time	1	429	-	400-500	-	Pass
		25104354 (5)-2	17-Dec-25	Night time	1	402	-	400-500	-	Pass

Measurement by : Buranasak Pati

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management
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Analysis / Test Report

Client : Gulf BL Co., Ltd.
777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 25105726 (7)
Date Received : Dec 18, 2025
Date Reported : Dec 22, 2025
Report Number: 25105726 (7)-1 C1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
1	Spot : Workshop First Floor : C&I Engineer #1	25105726 (7)-1	16-Dec-25	Day time	1	598	-	400-500	-	Pass
		25105726 (7)-2	16-Dec-25	Night time	1	553	-	400-500	-	Pass
2	Spot : Workshop First Floor : C&I Engineer #1.1	25105726 (7)-3	16-Dec-25	Day time	1	495	-	400-500	-	Pass
		25105726 (7)-4	16-Dec-25	Night time	1	415	-	400-500	-	Pass
3	Spot : Workshop First Floor : C&I Helper	25105726 (7)-5	16-Dec-25	Day time	1	658	-	400-500	-	Pass
		25105726 (7)-6	16-Dec-25	Night time	1	628	-	400-500	-	Pass
4	Spot : Workshop First Floor : C&I Leader	25105726 (7)-7	16-Dec-25	Day time	1	605	-	400-500	-	Pass
		25105726 (7)-8	16-Dec-25	Night time	1	581	-	400-500	-	Pass
5	Area : Workshop First Floor : Canteen & Pantry (พื้นที่เตรียมอาหาร)	25105726 (7)-9	16-Dec-25	Day time	1	321	326	150	300	Pass
		25105726 (7)-10	16-Dec-25	Day time	2	332				
		25105726 (7)-11	16-Dec-25	Night time	1	304	305	150	300	Pass
		25105726 (7)-12	16-Dec-25	Night time	2	306				
6	Area : Workshop First Floor : Copy Room	25105726 (7)-13	16-Dec-25	Day time	1	504	545	150	300	Pass
		25105726 (7)-14	16-Dec-25	Day time	2	586				
		25105726 (7)-15	16-Dec-25	Night time	1	477	520	150	300	Pass
		25105726 (7)-16	16-Dec-25	Night time	2	564				
7	Area : Workshop First Floor : Corridor	25105726 (7)-17	16-Dec-25	Day time	1	420	944	50	100	Pass
		25105726 (7)-18	16-Dec-25	Day time	2	745				
		25105726 (7)-19	16-Dec-25	Day time	3	1,291				
		25105726 (7)-20	16-Dec-25	Day time	4	1,319				
		25105726 (7)-21	16-Dec-25	Night time	1	317	432	50	100	Pass
		25105726 (7)-22	16-Dec-25	Night time	2	243				
		25105726 (7)-23	16-Dec-25	Night time	3	586				
		25105726 (7)-24	16-Dec-25	Night time	4	582				
8	Area : Workshop First Floor : Document Room	25105726 (7)-25	16-Dec-25	Day time	1	1,042	1102	150	300	Pass
		25105726 (7)-26	16-Dec-25	Day time	2	1,162				
		25105726 (7)-27	16-Dec-25	Night time	1	644	730	150	300	Pass
		25105726 (7)-28	16-Dec-25	Night time	2	816				
9	Spot : Workshop First Floor : MM Engineer #2	25105726 (7)-29	16-Dec-25	Day time	1	537	-	400-500	-	Pass
		25105726 (7)-30	16-Dec-25	Night time	1	530	-	400-500	-	Pass

Technical Management
Supot Salamteh
Section Head

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Assistant Manager

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777 Moo 1, Ban Lane, Bang Pa In, Ayutthaya Thailand 13160
P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 25105726 (7)
Date Received : Dec 18, 2025
Date Reported : Dec 22, 2025
Report Number: 25105726 (7)-1 C1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
10	Area : Workshop First Floor : Meeting Room	25105726 (7)-31	16-Dec-25	Day time	1	682	502	150	300	Pass
		25105726 (7)-32	16-Dec-25	Day time	2	510				
		25105726 (7)-33	16-Dec-25	Day time	3	386				
		25105726 (7)-34	16-Dec-25	Day time	4	425				
		25105726 (7)-35	16-Dec-25	Day time	5	527				
		25105726 (7)-36	16-Dec-25	Day time	6	485				
		25105726 (7)-37	16-Dec-25	Night time	1	482	411	150	300	Pass
		25105726 (7)-38	16-Dec-25	Night time	2	335				
		25105726 (7)-39	16-Dec-25	Night time	3	389				
		25105726 (7)-40	16-Dec-25	Night time	4	511				
		25105726 (7)-41	16-Dec-25	Night time	5	424				
		25105726 (7)-42	16-Dec-25	Night time	6	326				
11	Spot : Workshop First Floor : MM Engineer #1	25105726 (7)-43	16-Dec-25	Day time	1	403	-	400-500	-	Pass
		25105726 (7)-44	16-Dec-25	Night time	1	412	-	400-500	-	Pass
12	Spot : Workshop First Floor : MM Leader	25105726 (7)-45	16-Dec-25	Day time	1	486	-	400-500	-	Pass
		25105726 (7)-46	16-Dec-25	Night time	1	470	-	400-500	-	Pass
13	Spot : Workshop First Floor : IT Office	25105726 (7)-47	16-Dec-25	Day time	1	586	-	400-500	-	Pass
		25105726 (7)-48	16-Dec-25	Night time	1	569	-	400-500	-	Pass
14	Area : Workshop First Floor : Restroom : Female	25105726 (7)-49	16-Dec-25	Day time	1	105	107	50	100	Pass
		25105726 (7)-50	16-Dec-25	Day time	2	109				
		25105726 (7)-51	16-Dec-25	Night time	1	103	102	50	100	Pass
		25105726 (7)-52	16-Dec-25	Night time	2	102				
15	Area : Workshop First Floor : Restroom : Male	25105726 (7)-53	16-Dec-25	Day time	1	432	488	50	100	Pass
		25105726 (7)-54	16-Dec-25	Day time	2	500				
		25105726 (7)-55	16-Dec-25	Day time	3	385				
		25105726 (7)-56	16-Dec-25	Day time	4	634				
		25105726 (7)-57	16-Dec-25	Night time	1	279	449	50	100	Pass
		25105726 (7)-58	16-Dec-25	Night time	2	412				
		25105726 (7)-59	16-Dec-25	Night time	3	455				
		25105726 (7)-60	16-Dec-25	Night time	4	649				
16	Spot : Workshop First Floor : Electrical Engineering #1	25105726 (7)-61	16-Dec-25	Day time	1	657	-	400-500	-	Pass
		25105726 (7)-62	16-Dec-25	Night time	1	556	-	400-500	-	Pass

Technical Management — Supot Salamteh, Section Head
Approved by — Wichan Choonharat, Assistant Manager

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P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 25105726 (7)
Date Received : Dec 18, 2025
Date Reported : Dec 22, 2025
Report Number: 25105726 (7)-1 C1

GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
17	Spot : Workshop First Floor : Electrical Engineering #2	25105726 (7)-63	16-Dec-25	Day time	1	646	-	400-500	-	Pass
		25105726 (7)-64	16-Dec-25	Night time	1	638	-	400-500	-	Pass
18	Spot : Workshop First Floor : Electrical Helper	25105726 (7)-65	16-Dec-25	Day time	1	614	-	400-500	-	Pass
		25105726 (7)-66	16-Dec-25	Night time	1	655	-	400-500	-	Pass
19	Spot : Workshop First Floor : Electrical Leader	25105726 (7)-67	16-Dec-25	Day time	1	665	-	400-500	-	Pass
		25105726 (7)-68	16-Dec-25	Night time	1	554	-	400-500	-	Pass
20	Spot : Workshop First Floor : Maintence Manager	25105726 (7)-69	16-Dec-25	Day time	1	609	-	400-500	-	Pass
		25105726 (7)-70	16-Dec-25	Night time	1	567	-	400-500	-	Pass

Measurement by : Buranasak Pati

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 98D dated February 21 B.E.2561 (2018)

Technical Management — Supot Salamteh, Section Head
Approved by — Wichan Choonharat, Assistant Manager

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Analysis / Test Report

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P/O :
Project Name : Monitoring EIA
Project Location: GBL

Lot ID: 25105726 (8)
Date Received : Dec 18, 2025
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GBL

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Illuminance (Lux) Average	Guideline Limit Spot/Min	Guideline Limit Average	Comment
1	Area : Workshop Ground Floor : C&I Workshop	25105726 (8)-1	16-Dec-25	Day time	1	668	664	100	200	Pass
		25105726 (8)-2	16-Dec-25	Day time	2	653				
		25105726 (8)-3	16-Dec-25	Day time	3	679				
		25105726 (8)-4	16-Dec-25	Day time	4	658				
		25105726 (8)-5	16-Dec-25	Night time	1	640	631	100	200	Pass
		25105726 (8)-6	16-Dec-25	Night time	2	611				
		25105726 (8)-7	16-Dec-25	Night time	3	652				
		25105726 (8)-8	16-Dec-25	Night time	4	622				
2	Area : Workshop Ground Floor : Corridor (โซนบริเวณกลางห้องสี่เหลี่ยมคาง)	25105726 (8)-9	16-Dec-25	Day time	1	492	538	50	100	Pass
		25105726 (8)-10	16-Dec-25	Day time	2	473				
		25105726 (8)-11	16-Dec-25	Day time	3	596				
		25105726 (8)-12	16-Dec-25	Day time	4	718				
		25105726 (8)-13	16-Dec-25	Day time	5	584				
		25105726 (8)-14	16-Dec-25	Day time	6	493				
		25105726 (8)-15	16-Dec-25	Day time	7	410				
		25105726 (8)-16	16-Dec-25	Night time	1	540	605	50	100	Pass
		25105726 (8)-17	16-Dec-25	Night time	2	655				
		25105726 (8)-18	16-Dec-25	Night time	3	553				
		25105726 (8)-19	16-Dec-25	Night time	4	568				
		25105726 (8)-20	16-Dec-25	Night time	5	749				
		25105726 (8)-21	16-Dec-25	Night time	6	609				
		25105726 (8)-22	16-Dec-25	Night time	7	561				

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3	Area : Workshop Ground Floor : Mechanical and Electrical Workshop	25105726 (8)-23	16-Dec-25	Day time	1	519	558	150	300	Pass
		25105726 (8)-24	16-Dec-25	Day time	2	451				
		25105726 (8)-25	16-Dec-25	Day time	3	527				
		25105726 (8)-26	16-Dec-25	Day time	4	590				
		25105726 (8)-27	16-Dec-25	Day time	5	693				
		25105726 (8)-28	16-Dec-25	Day time	6	746				
		25105726 (8)-29	16-Dec-25	Day time	7	415				
		25105726 (8)-30	16-Dec-25	Day time	8	560				
		25105726 (8)-31	16-Dec-25	Day time	9	523				
		25105726 (8)-32	16-Dec-25	Night time	1	439	477	150	300	Pass
		25105726 (8)-33	16-Dec-25	Night time	2	441				
		25105726 (8)-34	16-Dec-25	Night time	3	429				
		25105726 (8)-35	16-Dec-25	Night time	4	489				
		25105726 (8)-36	16-Dec-25	Night time	5	556				
		25105726 (8)-37	16-Dec-25	Night time	6	580				
		25105726 (8)-38	16-Dec-25	Night time	7	411				
		25105726 (8)-39	16-Dec-25	Night time	8	479				
		25105726 (8)-40	16-Dec-25	Night time	9	466				
4	Area : Workshop Ground Floor : Restroom : Female	25105726 (8)-41	16-Dec-25	Day time	1	1,123	924	50	100	Pass
		25105726 (8)-42	16-Dec-25	Day time	2	725				
		25105726 (8)-43	16-Dec-25	Night time	1	1,236	1012	50	100	Pass
		25105726 (8)-44	16-Dec-25	Night time	2	789				
5	Area : Workshop Ground Floor : Restroom : Male	25105726 (8)-45	16-Dec-25	Day time	1	489	737	50	100	Pass
		25105726 (8)-46	16-Dec-25	Day time	2	985				
		25105726 (8)-47	16-Dec-25	Night time	1	745	830	50	100	Pass
		25105726 (8)-48	16-Dec-25	Night time	2	916				
6	Area : Workshop Ground Floor : Server Room	25105726 (8)-49	16-Dec-25	Day time	1	524	530	100	200	Pass
		25105726 (8)-50	16-Dec-25	Day time	2	536				
		25105726 (8)-51	16-Dec-25	Night time	1	522	528	100	200	Pass
		25105726 (8)-52	16-Dec-25	Night time	2	534				

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8	Area : Workshop Ground Floor : Tool Room	25105726 (8)-59	16-Dec-25	Day time	1	410	478	50	100	Pass
		25105726 (8)-60	16-Dec-25	Day time	2	428				
		25105726 (8)-61	16-Dec-25	Day time	3	809				
		25105726 (8)-62	16-Dec-25	Day time	4	356				
		25105726 (8)-63	16-Dec-25	Day time	5	464				
		25105726 (8)-64	16-Dec-25	Day time	6	401				
		25105726 (8)-65	16-Dec-25	Night time	1	413	466	50	100	Pass
		25105726 (8)-66	16-Dec-25	Night time	2	420				
		25105726 (8)-67	16-Dec-25	Night time	3	776				
		25105726 (8)-68	16-Dec-25	Night time	4	343				
		25105726 (8)-69	16-Dec-25	Night time	5	442				
		25105726 (8)-70	16-Dec-25	Night time	6	405				
9	Area : Workshop Ground Floor : Unsecured Heavy/Bulky Equipment Storage (Zone ตั้งพาเลท)	25105726 (8)-71	16-Dec-25	Day time	1	500	834	50	100	Pass
		25105726 (8)-72	16-Dec-25	Day time	2	892				
		25105726 (8)-73	16-Dec-25	Day time	3	933				
		25105726 (8)-74	16-Dec-25	Day time	4	919				
		25105726 (8)-75	16-Dec-25	Day time	5	928				
		25105726 (8)-76	16-Dec-25	Day time	6	945				
		25105726 (8)-77	16-Dec-25	Day time	7	920				
		25105726 (8)-78	16-Dec-25	Day time	8	632				
		25105726 (8)-79	16-Dec-25	Night time	1	431	760	50	100	Pass
		25105726 (8)-80	16-Dec-25	Night time	2	819				
		25105726 (8)-81	16-Dec-25	Night time	3	884				
		25105726 (8)-82	16-Dec-25	Night time	4	840				
		25105726 (8)-83	16-Dec-25	Night time	5	859				
		25105726 (8)-84	16-Dec-25	Night time	6	828				
		25105726 (8)-85	16-Dec-25	Night time	7	810				
		25105726 (8)-86	16-Dec-25	Night time	8	611				
10	Area : Workshop Ground Floor : Unsecured Warehouse (Rack GBP-C & GBP-B)	25105726 (8)-87	16-Dec-25	Day time	1	494	354	50	100	Pass
		25105726 (8)-88	16-Dec-25	Day time	2	215				
		25105726 (8)-89	16-Dec-25	Night time	1	440	340	50	100	Pass
		25105726 (8)-90	16-Dec-25	Night time	2	239				
11	Area : Workshop Ground Floor : Utility Room	25105726 (8)-91	16-Dec-25	Day time	1	515	566	50	100	Pass
		25105726 (8)-92	16-Dec-25	Day time	2	617				
		25105726 (8)-93	16-Dec-25	Night time	1	335	498	50	100	Pass
		25105726 (8)-94	16-Dec-25	Night time	2	660				

Technical Management
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12	Spot : Workshop Ground Floor : Warehouse Office Table 1	25105726 (8)-95	16-Dec-25	Day time	1	572	-	400-500	-	Pass
		25105726 (8)-96	16-Dec-25	Night time	1	510	-	400-500	-	Pass
13	Spot : Workshop Ground Floor : Warehouse Office Table 2	25105726 (8)-97	16-Dec-25	Day time	1	678	-	400-500	-	Pass
		25105726 (8)-98	16-Dec-25	Night time	1	534	-	400-500	-	Pass

Measurement by : Buranasak Pati

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

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ภาคผนวก ค-1

การตรวจสอบความถูกต้องของระบบ CEMs

(System Audit CEMs)

ภาพถ่ายการตรวจสอบ ตาม CEMs System Audit โรงไฟฟ้าบ้านเลน บริษัท กัลฟ์ บีแอล จำกัด

เมื่อวันที่ 4 กันยายน พ.ศ. 2568

HRSG – 11

รูปถ่าย การตรวจ System Audit	

ภาพถ่ายการตรวจสอบ ตาม CEMs System Audit โรงไฟฟ้าบ้านเลน บริษัท กัลฟ์ บีแอล จำกัด

เมื่อวันที่ 4 กันยายน พ.ศ. 2568

HRSG – 12

รูปถ่าย การตรวจ System Audit	

ภาคผนวก ค-2
สภาพแวดล้อมและลักษณะของแหล่งน้ำผิวดิน

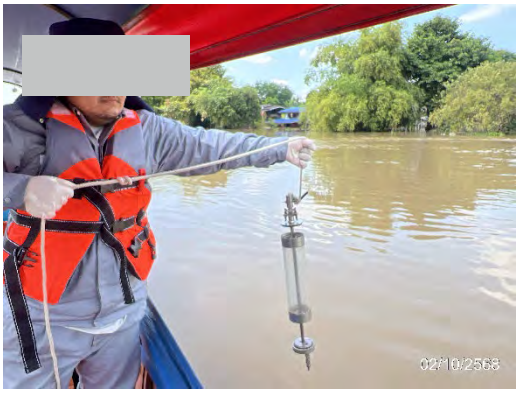
สภาพแวดล้อมแหล่งน้ำผิวดินของบริเวณแม่น้ำเจ้าพระยาบริเวณวัดบ้านพาสน์

ระดับความลึก 12.80 ม. ระดับที่เก็บ 6.40 ม. เก็บตัวอย่างเมื่อวันที่ 2 ตุลาคม พ.ศ. 2568

สภาพแวดล้อมแหล่งน้ำผิวดินของบริเวณคลองบ้านเลนระหว่างจุดระบายน้ำทิ้งของ
นิคมอุตสาหกรรมบ้านหว้า (ไฮเทค) และประตูระบายน้ำบ้านเลน
ระดับความลึก 2.30 ม. ระดับที่เก็บ 1.15 ม. เก็บตัวอย่างเมื่อวันที่ 2 ตุลาคม พ.ศ. 2568

สภาพแวดล้อมแหล่งน้ำผิวดินของบริเวณคลองลัดแม่น้ำเจ้าพระยาบริเวณหมู่ที่ 3 ตำบลบ้านเลน

ระดับความลึก 3.00 ม. ระดับที่เก็บ 1.50 ม. เก็บตัวอย่างเมื่อวันที่ 2 ตุลาคม พ.ศ. 2568



สภาพแวดล้อมแหล่งน้ำผิวดินของบริเวณแม่น้ำเจ้าพระยาบริเวณปากคลองบ้านเลน

ระดับความลึก 7.50 ม. ระดับที่เก็บ 3.75 ม. เก็บตัวอย่างเมื่อวันที่ 2 ตุลาคม พ.ศ. 2568

ภาคผนวก ค-3

ภาพถ่ายดาวเทียม โดยแสดงข้อมูลอุณหภูมิ

รายงาน

การหาอุณหภูมิพื้นผิว (Land Surface Temperature) โดยใช้ข้อมูลจากดาวเทียม LANDSAT-8 ระบบ TIRS บริเวณโครงการโรงไฟฟ้าบ้านเลน ตำบลบ้านเลน อำเภอบางปะอิน จังหวัดพระนครศรีอยุธยา 16 กุมภาพันธ์ 2568

โดย

ฝ่ายทรัพยากรธรรมชาติ สิ่งแวดล้อม และภัยพิบัติ

สำนักประยุกต์และบริหารภูมิสารสนเทศ

สำนักงานพัฒนาเทคโนโลยีอวกาศและภูมิสารสนเทศ (องค์การมหาชน)

อุณหภูมิพื้นผิว (Land Surface Temperature)

1. ความเป็นมาของการศึกษา

เนื่องจากสำนักงานพัฒนาเทคโนโลยีอวกาศและภูมิสารสนเทศ(องค์การมหาชน): สทอภ. ได้รับการติดต่อจากจากบริษัท เอแอลเอส แลบอราทอรี่ กรุ๊ป (ประเทศไทย) จำกัด ให้ดำเนินการวิเคราะห์และประมวลผลข้อมูลคลื่นความร้อนโดยแสดงเป็นอุณหภูมิพื้นผิว (Land surface temperature) หน่วยเป็นองศาเซลเซียส บริเวณโครงการโรงไฟฟ้าบ้านเลน เพื่อแสดงความแตกต่างระหว่างอุณหภูมิพื้นผิวบริเวณโครงการโรงไฟฟ้าและพื้นที่ใกล้เคียงโดยรอบ ซึ่งส่วนใหญ่เป็นพื้นที่เขตประกอบการอุตสาหกรรม แหล่งชุมชนและพื้นที่เกษตร ทั้งนี้เพื่อใช้เป็นข้อมูลพื้นฐานของอุณหภูมิพื้นผิวช่วงฤดูร้อน (กลางเดือนมีนาคม)

2. โครงการโรงไฟฟ้าบ้านเลน

โครงการโรงไฟฟ้าบ้านเลน เป็นโรงไฟฟ้าพลังความร้อนร่วม ใช้ก๊าซธรรมชาติเป็นเชื้อเพลิงในการผลิตไฟฟ้า มีลักษณะกระบวนการผลิตแบบโคเจนเนอเรชั่น กำลังการผลิตไฟฟ้าสุทธิประมาณ 137 เมกะวัตต์ (MW) โดยตั้งอยู่ในพื้นที่ประมาณ 11.88 ไร่

2.1 ความเป็นมา

ตามแผนพัฒนากำลังการผลิตไฟฟ้าของประเทศไทย ระหว่างปี พ.ศ.2555-2573 (PDP2010 ฉบับปรับปรุงครั้งที่ 3) โดยกระทรวงพลังงานร่วมกับการไฟฟ้าฝ่ายผลิตแห่งประเทศไทย (กฟผ.) ได้พยากรณ์ความต้องการใช้ไฟฟ้าสูงสุดของประเทศไทยพบว่ามีแนวโน้มความต้องการใช้ไฟฟ้าสูงขึ้นทุกปี ทั้งนี้เพื่อรองรับความต้องการการใช้ไฟฟ้าที่เพิ่มขึ้นตามแผน PDP2010 จึงได้กำหนดให้มีการรับซื้อไฟฟ้าจากผู้ผลิตไฟฟ้ารายเล็ก (SPP) ระบบโคเจนเนอเรชั่น

การรับซื้อไฟฟ้าจากผู้ผลิตไฟฟ้ารายเล็กมีวัตถุประสงค์ ต่อไปนี้

2.1.1 ส่งเสริมให้ผู้ผลิตไฟฟ้ารายเล็กเข้ามามีส่วนร่วมในการผลิตไฟฟ้า

2.1.2 ส่งเสริมให้มีการใช้ต้นพลังงานในการผลิตไฟฟ้าให้เกิดประโยชน์มากยิ่งขึ้น

2.1.3 ช่วยแบ่งเบาภาระด้านการลงทุนของรัฐในระบบการผลิต และระบบจำหน่ายไฟฟ้า

โครงการโรงไฟฟ้าบ้านเลน ดำเนินการโดยบริษัท กัลฟ์ บีแอล จำกัด ซึ่งจัดตั้งขึ้นเพื่อดำเนินธุรกิจผลิตและจำหน่ายไฟฟ้าตามแผนพัฒนากำลังการผลิตไฟฟ้าของประเทศไทย โดยจัดจำหน่ายไฟฟ้าให้กับการไฟฟ้าฝ่ายผลิตแห่งประเทศไทย (กฟผ.) ตามโครงการรับซื้อไฟฟ้าจากผู้ผลิตรายเล็ก (Small Power Producer : SPP) และโรงงานอุตสาหกรรม

2.2 ที่ตั้ง

โครงการโรงไฟฟ้าบ้านเลน ตั้งอยู่ที่นิคมอุตสาหกรรมบ้านหว้า (ไฮเทค) ริมทางหลวงแผ่นดินหมายเลข 32 บริเวณบ้านเลน อำเภอบางปะอิน จังหวัดพระนครศรีอยุธยา นิคมอุตสาหกรรมบ้านหว้า (ไฮเทค) เริ่มพัฒนาตั้งแต่ปี พ.ศ. 2532 ผู้เช่าส่วนใหญ่อยู่ในกลุ่มอุตสาหกรรมอิเล็กทรอนิกส์ ไฟฟ้า อุปกรณ์สื่อสาร กลุ่มชิ้นส่วนรถยนต์ เครื่องจักร และกลุ่มโรงงานพลาสติก

3. ระบบผลิตไฟฟ้าและความร้อนร่วม (Cogeneration System)

ระบบโคเจนเนอเรชั่น (Cogeneration) คือระบบที่ให้กำเนิดพลังงานไฟฟ้าหรือพลังงานกล และมีการใช้ประโยชน์จากพลังงานความร้อนในขณะเดียวกัน โดยอาศัยเชื้อเพลิงแหล่งเดียวกัน ซึ่งจะทำให้ต้นทุนการผลิตพลังงานในราคาที่ถูกกว่าระบบการผลิตอื่นๆ

เทคโนโลยีระบบผลิตพลังงานความร้อนร่วม แบ่งเป็น 2 รูปแบบ ตามลักษณะการทำงาน พิจารณาได้จากลำดับการนำพลังงานความร้อนไปใช้ประโยชน์ ระบบโคเจนเนอเรชั่นวัฏจักรบน (Topping Cycle Cogeneration) คือระบบที่ผลิตพลังงานกลก่อน แล้วนำพลังงานความร้อนที่เหลือไปใช้ประโยชน์ ส่วนระบบโคเจนเนอเรชั่นวัฏจักรล่าง (Bottoming Cycle Cogeneration) จะมีการนำพลังงานความร้อนไปใช้ประโยชน์ก่อนที่จะผลิตพลังงานไฟฟ้าหรือพลังงานกล

ซึ่งการนำเทคโนโลยีแต่ละรูปแบบข้างต้นไปใช้งานนั้น ขึ้นอยู่กับความเหมาะสมของแต่ละสถานประกอบการ โดยพิจารณาจากชนิดของเชื้อเพลิงที่หาได้ คุณภาพของพลังงานความร้อนที่ต้องการ ลักษณะการใช้ความร้อนและไฟฟ้าของโรงงาน เวลาการใช้งาน ต้นทุนการก่อสร้าง และเงื่อนไขด้านสิ่งแวดล้อม เป็นต้น

3.1 ระบบโคเจนเนอเรชั่นชนิดกังหันไอน้ำ

ระบบชนิดนี้ประกอบด้วย เครื่องกำเนิดไอน้ำ เครื่องกังหันไอน้ำ โดยใช้เชื้อเพลิงเหลว ก๊าซหรือเชื้อเพลิงแข็ง หลักการทำงานคือ เชื้อเพลิงจะถูกป้อนเข้าสู่ห้องเผาไหม้เพื่อให้ความร้อนแก่น้ำในเครื่อง กำเนิดไอน้ำ ซึ่งได้ไอน้ำยวดยิ่ง (Superheat Steam) ที่อุณหภูมิและความดันสูง ไอน้ำจะไปขับเครื่องกังหันไอน้ำได้กำลังเพลา ซึ่งสามารถนำไปขับเครื่องมือกลต่างๆ เช่น ปั๊ม คอมเพรสเซอร์ หรือเปลี่ยนรูปเป็นไฟฟ้าโดยขับเครื่องกำเนิดไฟฟ้า ส่วนไอน้ำที่ออกจากเครื่องสามารถนำไปใช้ในกระบวนการผลิตต่อไป

3.2 ระบบโคเจนเนอเรชั่นชนิดกังหันก๊าซ

มีหลักการทำงานคือ คอมเพรสเซอร์จะอัดอากาศจากภายนอก และนำเข้าสู่ห้องเผาไหม้ เชื้อเพลิงจะถูกฉีดเข้ามาผสมกับอากาศและจุดระเบิด เกิดก๊าซร้อนจากการเผาไหม้ขึ้น ซึ่งจะขยายตัวผ่านเครื่องกังหันก๊าซ แกนของเครื่องกังหันก๊าซจะต่อไปขับเครื่องปั่นไฟฟ้า เพื่อผลิตกระแสไฟฟ้า ส่วนก๊าซร้อนที่ปล่อยจากกังหันก๊าซจะมีอุณหภูมิประมาณ 450-550 องศาเซลเซียส ก๊าซร้อนนี้สามารถนำไปใช้เป็นแหล่งให้ความร้อน เพื่อผลิตไอน้ำที่ความดันต่ำๆ หรือนำไปใช้โดยตรงเพื่อใช้ในกระบวนการผลิต

3.3 ระบบโคเจนเนอเรชั่นชนิดเครื่องยนต์เผาไหม้ภายใน

ระบบนี้สามารถแบ่งได้ตามประเภทเครื่องยนต์เป็น 2 ชนิด คือ เครื่องยนต์ Spark-Ignition Engine จะใช้เชื้อเพลิงเหลวหรือก๊าซธรรมชาติเป็นเชื้อเพลิง และเครื่องยนต์ Compression-Ignition Engines จะใช้น้ำมันดีเซลหรือน้ำมันเตาเป็นเชื้อเพลิง พลังงานที่ผลิตได้อยู่ในช่วง 100 kW. ถึง 10 MW. พลังงานความร้อนที่ออกมาอยู่ในรูปของก๊าซไอเสีย น้ำหล่อเย็นเสื้อสูบและน้ำมันหล่อลื่น ซึ่งการนำพลังงานความร้อนไปใช้อาจใช้คู่กับ Waste Heat Boiler ในการผลิตไอน้ำหรือน้ำร้อน

4. การคำนวณค่าอุณหภูมิพื้นผิว (Surface Temperature) จากข้อมูลดาวเทียม LANDSAT-8

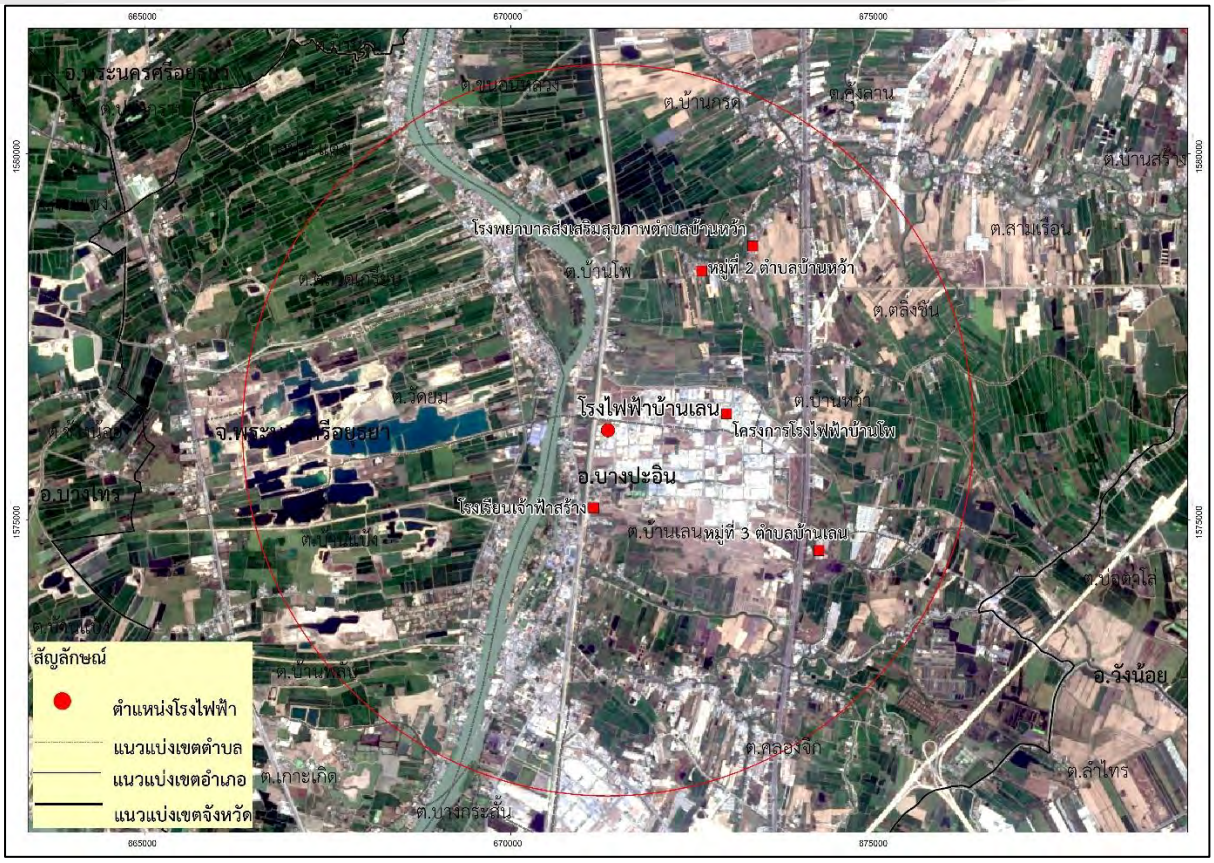
4.1 พื้นที่ศึกษา

โครงการโรงไฟฟ้าบ้านเลน ตั้งอยู่ที่นิคมอุตสาหกรรมบ้านหว้า (ไฮเทค) อำเภอบางปะอิน จังหวัดพระนครศรีอยุธยา สภาพพื้นที่โดยทั่วไปตั้งอยู่บริเวณพื้นที่ราบลุ่ม ภาคกลางของประเทศไทย ทิศเหนือติดต่อกับอำเภอพระนครศรีอยุธยา และอำเภออุทัย จังหวัดพระนครศรีอยุธยา ทิศตะวันออกติดต่อกับอำเภอวังน้อย

จังหวัดพระนครศรีอยุธยา ทิศใต้ติดต่อกับอำเภอคลองหลวง จังหวัดปทุมธานี ทิศตะวันตกติดต่อกับอำเภอบางไทร จังหวัดพระนครศรีอยุธยา สภาพภูมิอากาศโดยทั่วไป มี 3 ฤดูกาล คือ ฤดูหนาว เริ่มตั้งแต่กลางเดือนตุลาคมถึงกลางเดือนกุมภาพันธ์ ซึ่งเป็นฤดูมรสุมตะวันออกเฉียงเหนือ ฤดูร้อน เริ่มเมื่อมรสุมตะวันออกเฉียงเหนือสิ้นสุดลง คือประมาณกลางเดือนกุมภาพันธ์ถึงกลางเดือนพฤษภาคม และฤดูฝน เริ่มตั้งแต่กลางเดือนพฤษภาคมถึงกลางเดือนตุลาคม ซึ่งเป็นช่วงที่มรสุมตะวันตกเฉียงใต้ ประชากรส่วนใหญ่ประกอบอาชีพในภาคเกษตรกรรม และอุตสาหกรรม ดังภาพขยายพื้นที่บริเวณโครงการโรงไฟฟ้าในภาพที่ 1 และพื้นที่โดยรอบโครงการโรงไฟฟ้า ดังภาพที่ 2

ภาพที่ 1 ภาพขยายบริเวณ โครงการโรงไฟฟ้าบ้านเลนและพื้นที่โดยรอบโครงการโรงไฟฟ้า (ข้อมูลจากดาวเทียม LANDSAT-8 OLI, band 432 บันทึกภาพวันที่ 16 กุมภาพันธ์ 2568)

ในการศึกษา ได้กำหนดพื้นที่ศึกษาโดยรอบโครงการโรงไฟฟ้าบ้านเลนโดยรอบประมาณ 5 ตารางกิโลเมตร ดังภาพที่ 2 ซึ่งจะครอบคลุมพื้นที่การใช้ประโยชน์ที่ดินและสิ่งปกคลุมดินหลายประเภท เช่น พื้นที่ประกอบอุตสาหกรรม ชุมชนเมือง พื้นที่การเกษตร แหล่งน้ำ และพื้นที่เปิดโล่ง ซึ่งจะทำให้สามารถเปรียบเทียบความแตกต่างของอุณหภูมิพื้นผิวในพื้นที่ที่มีลักษณะแตกต่างกันได้อย่างชัดเจน



ภาพที่ 2 แสดงสภาพพื้นที่บริเวณอำเภอบางปะอิน จังหวัดพระนครศรีอยุธยา
(ข้อมูลจากดาวเทียม LANDSAT-8 OLI, band 432 บันทึกภาพวันที่ 16 กุมภาพันธ์ 2568)

4.2 ขั้นตอนการศึกษา

4.2.1 ข้อมูลดาวเทียมที่ใช้ในการศึกษา

ข้อมูลจากดาวเทียม LANDSAT-8 TIRS, Band 10 (ความยาวคลื่น 10.60 -11.19 นาโนเมตร) หรือช่วงคลื่นอินฟราเรดความร้อน (Thermal Infrared) Path/Row ที่ 129/50, เวลาถ่ายภาพประมาณ 10:30 นาฬิกา (เวลาประเทศไทย) มีความละเอียดของภาพ (Spatial resolution) ที่ 100 เมตร (ในขณะที่ Band อื่นๆ ได้แก่ band1-7 และ band 9 จะมีความละเอียดภาพที่ 30 เมตร รายละเอียดดังตารางที่ 1) ซึ่งเป็นช่วงคลื่นที่นำมาใช้ในการหาค่าอุณหภูมิผิวพื้น (Land Surface Temperature : LST) บริเวณ โครงการโรงไฟฟ้าบ้านเลนและพื้นที่ใกล้เคียงโดยเลือกข้อมูลจากดาวเทียม LANDSAT-8 วันที่ 16 กุมภาพันธ์ 2568 เวลา 10:37:45 นาฬิกา (เวลาประเทศไทย)

ตารางที่ 1 แสดงรายละเอียด Satellite Sensors ของ LANDSAT-7,8

Landsat-7 ETM+ Bands (μm)			Landsat-8 OLI and *TIRS* Bands (μm)		
			30 m Coastal/Aerosol	0.435 - 0.451	Band 1
Band 1	30 m Blue	0.441 - 0.514	30 m Blue	0.452 - 0.512	Band 2
Band 2	30 m Green	0.519 - 0.601	30 m Green	0.533 - 0.590	Band 3
Band 3	30 m Red	0.631 - 0.692	30 m Red	0.636 - 0.673	Band 4
Band 4	30 m NIR	0.772 - 0.898	30 m NIR	0.851 - 0.879	Band 5
Band 5	30 m SWIR-1	1.547 - 1.749	30 m SWIR-1	1.566 - 1.651	Band 6
Band 6	60 m TIR	10.31 - 12.36	*100 m TIR-1*	*10.60 – 11.19*	Band 10
			100 m TIR-2	*11.50 – 12.51*	Band 11
Band 7	30 m SWIR-2	2.064 - 2.345	30 m SWIR-2	2.107 - 2.294	Band 7
Band 8	15 m Pan	0.515 - 0.896	15 m Pan	0.503 - 0.676	Band 8
			30 m Cirrus	1.363 - 1.384	Band 9

ข้อมูลจากดาวเทียม LANDSAT-8 ที่ได้รับข้อมูลจากสถานีรับสัญญาณดาวเทียมที่นำมาวิเคราะห์ เป็นข้อมูล level 1 ซึ่งผ่านกระบวนการปรับแก้ทาง Radiometric และ Geometric Correction อยู่ในลักษณะข้อมูล GeoTIFF Format

4.2.2 วิธีการคำนวณค่าอุณหภูมิพื้นผิวดิน (Land Surface Temperature)

ข้อมูลดาวเทียม LANDSAT-8 TM, Path/Row ที่ 129/50, เวลาถ่ายภาพประมาณ 10:37:17 นาฬิกา (เวลาประเทศไทย) เลือกเฉพาะช่วง band 10 ที่ถูกปรับแก้ความคลาดเคลื่อนทางภูมิศาสตร์แล้ว จะถูกนำมาคำนวณ เพื่อหาค่าอุณหภูมิพื้นผิวบริเวณโครงการโรงไฟฟ้าบ้านเลนและพื้นที่ใกล้เคียง ดังมีรายละเอียดตามขั้นตอนดังนี้

1). เปลี่ยนค่า Digital Number (DN) ของข้อมูลจากดาวเทียมLANDSAT-8 TIRS, Thermal Infrared Sensor (band 10) ไปเป็นค่า Spectral Radiance ดังสมการที่ 1 (USGS, 2013):

สมการที่ 1 $L_\lambda = 0.00033422 \times DN + 0.1$

เมื่อ L_λ คือ ค่า Spectral Radiance มีหน่วยเป็น W/(m^{2}sterμm)

DN ค่า Digital Number ของข้อมูล band 10หน่วยเป็น W/(m^{2}sterμm)

2). เปลี่ยนค่า Spectral Radiance ไปเป็นค่า Brightness Temperature, T_B (หรือ Black Body Temperature) ตามความสัมพันธ์ ดังสมการที่ 2 (LANDSAT Project Science Office, 2002)

สมการที่ 2 $T_B = \frac{K_2}{\ln\left(\frac{K_1}{L_\lambda}+1\right)}$

เมื่อ T_B คือค่า Effective at-Satellite Temperature หน่วย Kelvin, K

L_λ คือค่า Spectral Radiance มีหน่วยเป็น W/(m^2sterμm)

K2 และ K1 คือค่า Pre-launch Calibration Constant ซึ่งกำหนดสำหรับข้อมูลจากดาวเทียม LANDSAT-8 TIRS ดังนี้

ตารางที่ 2 รายละเอียดข้อมูล (metadata)สำหรับ TIRS Thermal Band Calibration Constants (U.S. Geological Survey, 2013)

Constant (Unit)	Band 10	Band 11
Radiance Multiplier	**0.0003342**	**0.0003342**
Radiance Add	0.1	0.1
K1(watts/(meter squared * ster * μm)	774.89	480.89
K2(Kelvin)	1321.08	1201.14

3). ค่าอุณหภูมิในสมการข้างบนจะเป็นค่าที่อ้างอิงจาก back body ดังนั้นเพื่อหาค่าอุณหภูมิพื้นผิวดินที่แท้จริง จะต้องคำนึงถึงการแผ่รังสีจากสิ่งปกคลุมพื้นผิว (spectral emissivity according to the natural of land cover) จาก Snyder et al. (1998) ได้เสนอการคำนวณหาค่า เพื่อปรับแก้อุณหภูมิการปลดปล่อยที่พื้นผิว (emissivity corrected land surface temperature; S_t) ซึ่งคำนวณตามความสัมพันธ์ ดังสมการที่ 3 (Artis& Carnahan, 1982)

สมการที่ 3 $S_t = \frac{T_B}{1+\left(\lambda \times T_B / \rho\right)\ln \varepsilon}$

เมื่อ St คือ ค่าอุณภูมิพื้นผิว หน่วย Kelvin, K

T_B คือ ค่า Effective at-Satellite Temperature หน่วย Kelvin, K

λ คือ ความยาวคลื่นของ Emitted Radiance ซึ่งเลือกใช้ค่ากลางที่ λ = 10.6μm

ε คือ ค่าเฉลี่ยการปลดปล่อยเชิงคลื่น (Spectral Emissivity) จากพื้นผิวแบบต่างๆ ซึ่งค่าที่เลือกใช้ในสมการ สามารถดูได้จากตารางที่ 3 ซึ่งค่าที่ใช้ในการคำนวณ จะใช้ ε = 0.969 (Arid bare soil/Urban)

ρ มีค่าเท่ากับ 1.438 x 10^{-2} m K, เป็นค่าที่ได้มาจากความสัมพันธ์ $\rho = h \times c/\sigma$

เมื่อ h = ค่าคงที่ของ Plank (6.626x10^{-34} J-s)

C = ความเร็วของแสง (Velocity of Light) (2.998x10^8 m/s)

σ = ค่าคงที่ของ Stefan Boltzmann (1.38x10^{-23} J/K)

ตารางที่ 3 ค่าเฉลี่ยตามฤดูกาลของการแผ่รังสีจากสิ่งปกคลุมพื้นผิวแต่ละชนิด สำหรับข้อมูลดาวเทียม MODIS band 31 and 32 (Snyder et al., 1998)

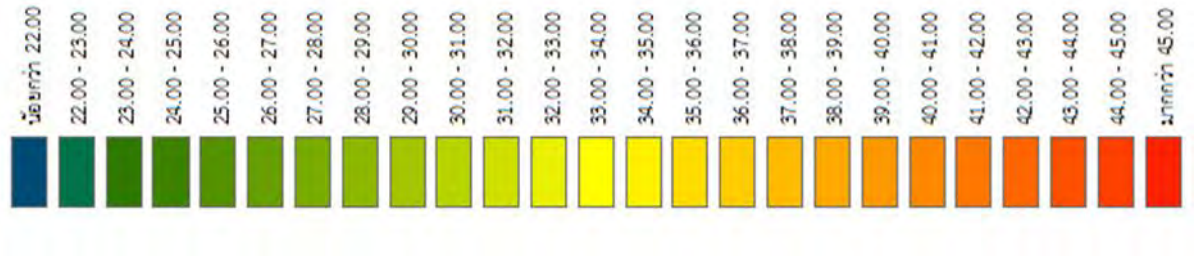
Emissivity Classes	Mean Emissivity (ε)					
	Green Season			Senescent Season		
	10.8-11.3μm	11.8-12.3μm	Average	10.8-11.3μm	11.8-12.3μm	Average
NeedleForest	0.989	0.991	0.990	0.986	0.988	0.987
Broadleaf Forest	0.987	0.990	0.989	0.968	0.971	0.970
Woody Savanna	0.988	0.991	0.990	0.975	0.978	0.977
Grass Savanna	0.987	0.991	0.989	0.973	0.975	0.974
Sparse Shrubs	0.972	0.975	0.974	0.970	0.976	0.973
Water/Wetland	0.991	0.986	0.989	0.991	0.986	0.989
Organic Bare Soil	0.977	0.982	0.980	0.977	0.982	0.980
Arid Bare Soil/ Urban	0.966	0.972	0.969	0.966	0.972	0.969

4). คำนวณหาค่าอุณหภูมิในหน่วยเซลเซียส จากความสัมพันธ์

Centigrade Temperature (°C) = Absolute Temperature (°K) -273.15

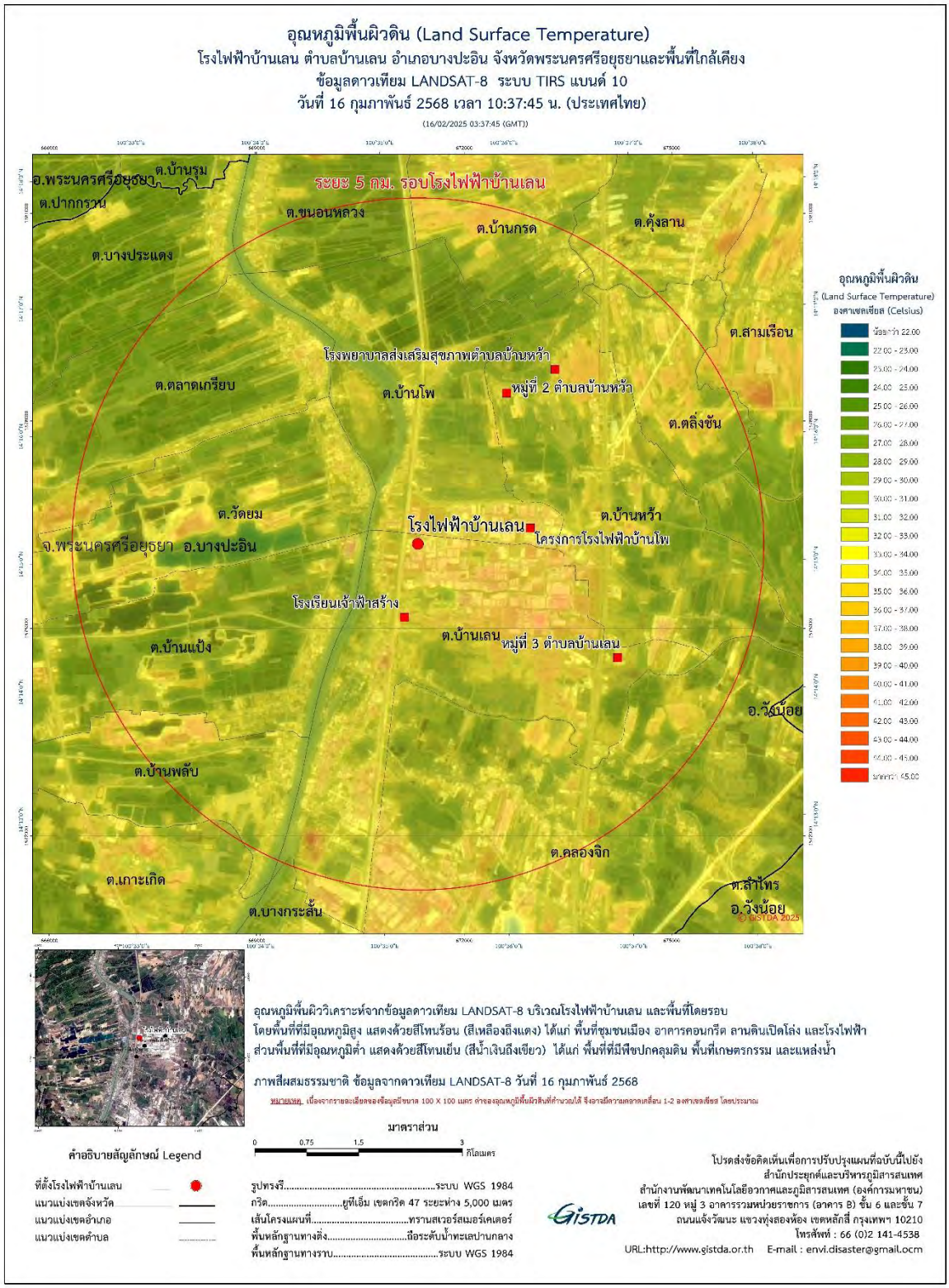
5.1 ข้อมูลอุณหภูมิพื้นผิวดิน จาก LANDSAT-8

ข้อมูลอุณหภูมิพื้นผิวดินที่มีหน่วยเป็นองศาเซลเซียส ซึ่งได้จากการคำนวณในช่วงต้น จะถูกนำมากำหนดค่าสีของแต่ละช่วงอุณหภูมิ โดยกำหนดค่าอันตรภาคชั้น (Class Interval) ของอุณหภูมิแต่ละช่วงให้เท่ากับ 1 องศาเซลเซียส ดังแสดงในภาพที่ 3

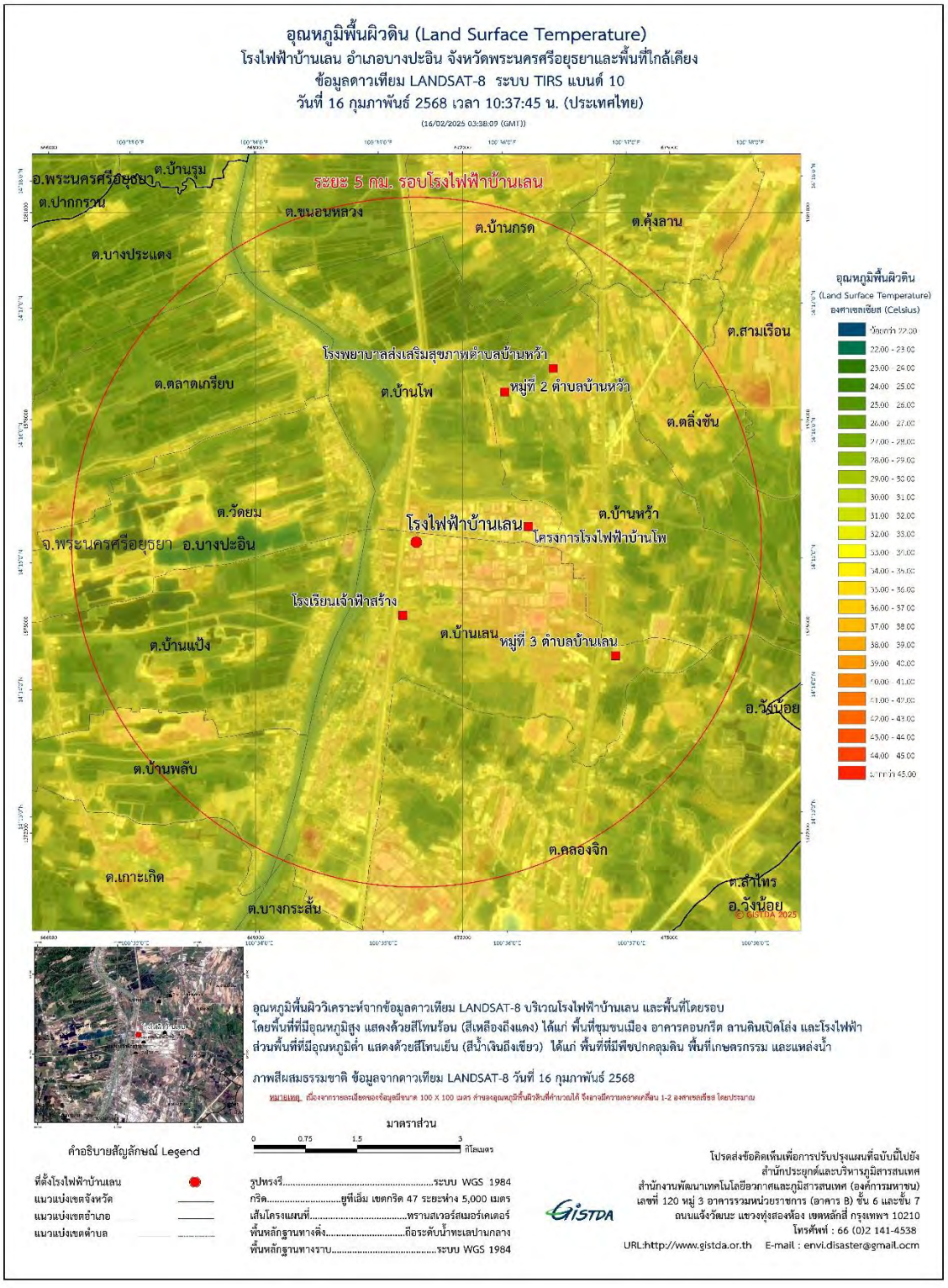


ภาพที่ 3 แสดงช่วงอันตรภาคชั้น (Class Interval) และสีที่แทนค่าของค่าอุณหภูมิแต่ละช่วง

อุณหภูมิพื้นผิวดิน (Land Surface Temperature) บริเวณโครงการโรงไฟฟ้าบ้านเลนและพื้นที่ใกล้เคียง วันที่ 16 กุมภาพันธ์ 2568 ดังภาพที่ 4-5



ภาพที่ 4 อุณหภูมิพื้นผิวดิน (Land Surface Temperature) โครงการโรงไฟฟ้าบ้านเลนและพื้นที่ใกล้เคียง จากข้อมูลดาวเทียม Landsat-8TIRS, band 10 บันทึกภาพเมื่อวันที่ 16 กุมภาพันธ์ 2568 เวลา 10:37:45 น.



ภาพที่ 5 อุณหภูมิพื้นผิวดิน (Land Surface Temperature) ข้อมูลจากดาวเทียม Landsat-8TIRS, band 10 บันทึกภาพเมื่อวันที่ 16 กุมภาพันธ์ 2568 ซ้อนทับกับภาพสีผสมธรรมชาติ ข้อมูลจากดาวเทียม Landsat-8 บันทึกภาพวันที่ 16 กุมภาพันธ์ 2568

จากภาพอุณหภูมิพื้นผิวดิน (Land Surface Temperature) บริเวณโครงการโรงไฟฟ้าบ้านเลนและพื้นที่ใกล้เคียงในภาพที่ 4–5 แสดงความแตกต่างของอุณหภูมิพื้นผิวดินที่ขึ้นอยู่กับการใช้ประโยชน์ที่ดินและสิ่งปกคลุมดินได้อย่างชัดเจน จากภาพจะเห็นได้ว่า

ในวันที่ 16 กุมภาพันธ์ 2568 บริเวณพื้นที่ศึกษาโครงการโรงไฟฟ้าบ้านเลนและพื้นที่ใกล้เคียง มีค่าอุณหภูมิพื้นผิวดินอยู่ระหว่าง 28.4 – 42.0 องศาเซลเซียส โดยพื้นที่เกษตรกรรม แหล่งน้ำ พื้นที่ชุ่มน้ำ และพื้นที่โรงงานบางแห่ง จะมีค่าอุณหภูมิพื้นผิวจากข้อมูลดาวเทียม อยู่ระหว่าง 28.4 – 32.9 องศาเซลเซียส

ส่วนบริเวณโรงงานอุตสาหกรรม แหล่งชุมชน หรือพื้นที่ที่มีพื้นผิวสิ่งปกคลุมเป็นคอนกรีต ไม้ สังกะสี และพื้นดินเปิดโล่ง จะมีค่าอุณหภูมิพื้นผิวดินสูงกว่าพื้นที่ข้างต้น คือมีค่าอยู่ที่ประมาณ 31.0 – 42.0 องศาเซลเซียส

โดยพื้นที่โครงการโรงไฟฟ้าบ้านเลน มีค่าอุณหภูมิอยู่ระหว่าง 34.1 – 35.8 องศาเซลเซียส

จากผลการศึกษาดังกล่าว เมื่อนำค่าอุณหภูมิพื้นผิวดินที่ได้จากการวิเคราะห์โดยข้อมูลจากดาวเทียม LANDSAT-8 TIRS, แบนด์ 10 เปรียบเทียบกับค่าอุณหภูมิของกรมอุตุนิยมวิทยา จากสถานีสุพรรณบุรี จังหวัดสุพรรณบุรี ในช่วงเวลาใกล้เคียงกัน พบว่าค่าอุณหภูมิพื้นผิวดินที่ได้จากการวิเคราะห์โดยข้อมูลจากดาวเทียมสูงกว่าของกรมอุตุนิยมวิทยาประมาณ 1 องศาเซลเซส ดังตารางที่ 4

ตารางที่ 4 แสดงค่าอุณหภูมิ (องศาเซลเซียส) ของกรมอุตุนิยมวิทยาจากสถานีสุพรรณบุรี จังหวัดสุพรรณบุรี

สถานี/จังหวัด	วัน/เดือน/ปี	ค่าอุณหภูมิ
สุพรรณบุรี/สุพรรณบุรี	13/02/2025 10:00 น.	29.5
สุพรรณบุรี/สุพรรณบุรี	14/02/2025 10:00 น.	29.7
สุพรรณบุรี/สุพรรณบุรี	15/02/2025 10:00 น.	29.5
สุพรรณบุรี/สุพรรณบุรี	16/02/2025 10:00 น.	30.8
สุพรรณบุรี/สุพรรณบุรี	17/02/2025 10:00 น.	29
สุพรรณบุรี/สุพรรณบุรี	18/02/2025 10:00 น.	27.5
สุพรรณบุรี/สุพรรณบุรี	19/02/2025 10:00 น.	30.5

หมายเหตุ : * อุณหภูมิตุ้มแห้ง : Dry-bulb temperature อุณหภูมิที่อ่านได้จากเทอร์โมมิเตอร์ตุ้มแห้งหรือเทอร์โมมิเตอร์ธรรมดา ซึ่งติดตั้งอยู่ในที่ที่ มีอากาศถ่ายเทตามธรรมชาติ และอยู่ในร่มเงาไม่ถูกรังสีจากดวงอาทิตย์โดยตรง

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รายงาน

การหาอุณหภูมิพื้นผิว (Land Surface Temperature) โดยใช้ข้อมูลจากดาวเทียม LANDSAT-8 ระบบ TIRS บริเวณโครงการโรงไฟฟ้าบ้านเลน ตำบลบ้านเลน อำเภอบางปะอิน จังหวัดพระนครศรีอยุธยา

23 พฤษภาคม 2568

โดย

ฝ่ายจัดการภัยธรรมชาติ

สำนักประยุกต์และพัฒนาภูมิสารสนเทศ

สำนักงานพัฒนาเทคโนโลยีอวกาศและภูมิสารสนเทศ (องค์การมหาชน)

อุณหภูมิพื้นผิว (Land Surface Temperature)

1. ความเป็นมาของการศึกษา

เนื่องจากสำนักงานพัฒนาเทคโนโลยีอวกาศและภูมิสารสนเทศ(องค์การมหาชน): สทอภ. ได้รับการติดต่อจากจากบริษัท เอแอลเอส แลบอราทอรี่ กรุ๊ป (ประเทศไทย) จำกัด ให้ดำเนินการวิเคราะห์และประมวลผลข้อมูลคลื่นความร้อนโดยแสดงเป็นอุณหภูมิพื้นผิว (Land surface temperature) หน่วยเป็นองศาเซลเซียส บริเวณโครงการโรงไฟฟ้าบ้านเลน เพื่อแสดงความแตกต่างระหว่างอุณหภูมิพื้นผิวบริเวณโครงการโรงไฟฟ้าและพื้นที่ใกล้เคียงโดยรอบ ซึ่งส่วนใหญ่เป็นพื้นที่เขตประกอบการอุตสาหกรรม แหล่งชุมชนและพื้นที่เกษตร ทั้งนี้เพื่อใช้เป็นข้อมูลพื้นฐานของอุณหภูมิพื้นผิวช่วงฤดูฝน (ปลายเดือนพฤษภาคม)

2. โครงการโรงไฟฟ้าบ้านเลน

โครงการโรงไฟฟ้าบ้านเลน เป็นโรงไฟฟ้าพลังความร้อนร่วม ใช้ก๊าซธรรมชาติเป็นเชื้อเพลิงในการผลิตไฟฟ้า มีลักษณะกระบวนการผลิตแบบโคเจนเนอเรชั่น กำลังการผลิตไฟฟ้าสุทธิประมาณ 137 เมกะวัตต์ (MW) โดยตั้งอยู่ในพื้นที่ประมาณ 11.88 ไร่

2.1 ความเป็นมา

ตามแผนพัฒนากำลังการผลิตไฟฟ้าของประเทศไทย ระหว่างปี พ.ศ.2555-2573 (PDP2010 ฉบับปรับปรุงครั้งที่ 3) โดยกระทรวงพลังงานร่วมกับการไฟฟ้าฝ่ายผลิตแห่งประเทศไทย (กฟผ.) ได้พยากรณ์ความต้องการใช้ไฟฟ้าสูงสุดของประเทศไทยพบว่ามีแนวโน้มความต้องการใช้ไฟฟ้าสูงขึ้นทุกปี ทั้งนี้เพื่อรองรับความต้องการการใช้ไฟฟ้าที่เพิ่มขึ้นตามแผน PDP2010 จึงได้กำหนดให้มีการรับซื้อไฟฟ้าจากผู้ผลิตไฟฟ้ารายเล็ก (SPP) ระบบโคเจนเนอเรชั่น

การรับซื้อไฟฟ้าจากผู้ผลิตไฟฟ้ารายเล็กมีวัตถุประสงค์ ต่อไปนี้

2.1.1 ส่งเสริมให้ผู้ผลิตไฟฟ้ารายเล็กเข้ามามีส่วนร่วมในการผลิตไฟฟ้า

2.1.2 ส่งเสริมให้มีการใช้ต้นพลังงานในการผลิตไฟฟ้าให้เกิดประโยชน์มากยิ่งขึ้น

2.1.3 ช่วยแบ่งเบาภาระด้านการลงทุนของรัฐในระบบการผลิต และระบบจำหน่ายไฟฟ้า

โครงการโรงไฟฟ้าบ้านเลน ดำเนินการโดยบริษัท กัลฟ์ บีแอล จำกัด ซึ่งจัดตั้งขึ้นเพื่อดำเนินธุรกิจผลิตและจำหน่ายไฟฟ้าตามแผนพัฒนากำลังการผลิตไฟฟ้าของประเทศไทย โดยจัดจำหน่ายไฟฟ้าให้กับการไฟฟ้าฝ่ายผลิตแห่งประเทศไทย (กฟผ.) ตามโครงการรับซื้อไฟฟ้าจากผู้ผลิตรายเล็ก (Small Power Producer : SPP) และโรงงานอุตสาหกรรม

2.2 ที่ตั้ง

โครงการโรงไฟฟ้าบ้านเลน ตั้งอยู่ที่นิคมอุตสาหกรรมบ้านหว้า (ไฮเทค) ริมทางหลวงแผ่นดินหมายเลข 32 บริเวณบ้านเลน อำเภอบางปะอิน จังหวัดพระนครศรีอยุธยา นิคมอุตสาหกรรมบ้านหว้า (ไฮเทค) เริ่มพัฒนาตั้งแต่ปี พ.ศ. 2532 ผู้เช่าส่วนใหญ่อยู่ในกลุ่มอุตสาหกรรมอิเล็กทรอนิกส์ ไฟฟ้า อุปกรณ์สื่อสาร กลุ่มชิ้นส่วนรถยนต์ เครื่องจักร และกลุ่มโรงงานพลาสติก

3. ระบบผลิตไฟฟ้าและความร้อนร่วม (Cogeneration System)

ระบบโคเจนเนอเรชั่น (Cogeneration) คือระบบที่ให้กำเนิดพลังงานไฟฟ้าหรือพลังงานกล และมีการใช้ประโยชน์จากพลังงานความร้อนในขณะเดียวกัน โดยอาศัยเชื้อเพลิงแหล่งเดียวกัน ซึ่งจะทำให้ต้นทุนการผลิตพลังงานในราคาที่ถูกกว่าระบบการผลิตอื่นๆ

เทคโนโลยีระบบผลิตพลังงานความร้อนร่วม แบ่งเป็น 2 รูปแบบ ตามลักษณะการทำงาน พิจารณาได้จากลำดับการนำพลังงานความร้อนไปใช้ประโยชน์ ระบบโคเจนเนอเรชั่นวัฏจักรบน (Topping Cycle Cogeneration) คือระบบที่ผลิตพลังงานกลก่อน แล้วนำพลังงานความร้อนที่เหลือไปใช้ประโยชน์ ส่วนระบบโคเจนเนอเรชั่นวัฏจักรล่าง (Bottoming Cycle Cogeneration) จะมีการนำพลังงานความร้อนไปใช้ประโยชน์ก่อนที่จะผลิตพลังงานไฟฟ้าหรือพลังงานกล

ซึ่งการนำเทคโนโลยีแต่ละรูปแบบข้างต้นไปใช้งานนั้น ขึ้นอยู่กับความเหมาะสมของแต่ละสถานประกอบการ โดยพิจารณาจากชนิดของเชื้อเพลิงที่หาได้ คุณภาพของพลังงานความร้อนที่ต้องการ ลักษณะการใช้ความร้อนและไฟฟ้าของโรงงาน เวลาการใช้งาน ต้นทุนการก่อสร้าง และเงื่อนไขด้านสิ่งแวดล้อม เป็นต้น

3.1 ระบบโคเจนเนอเรชั่นชนิดกังหันไอน้ำ

ระบบชนิดนี้ประกอบด้วย เครื่องกำเนิดไอน้ำ เครื่องกังหันไอน้ำ โดยใช้เชื้อเพลิงเหลว ก๊าซหรือเชื้อเพลิงแข็ง หลักการทำงานคือ เชื้อเพลิงจะถูกป้อนเข้าสู่ห้องเผาไหม้เพื่อให้ความร้อนแก่น้ำในเครื่อง กำเนิดไอน้ำ ซึ่งได้ไอน้ำยวดยิ่ง (Superheat Steam) ที่อุณหภูมิและความดันสูง ไอน้ำจะไปขับเครื่องกังหันไอน้ำได้กำลังเพลา ซึ่งสามารถนำไปขับเครื่องมือกลต่างๆ เช่น ปั๊ม คอมเพรสเซอร์ หรือเปลี่ยนรูปเป็นไฟฟ้าโดยขับเครื่องกำเนิดไฟฟ้า ส่วนไอน้ำที่ออกจากเครื่องสามารถนำไปใช้ในกระบวนการผลิตต่อไป

3.2 ระบบโคเจนเนอเรชั่นชนิดกังหันก๊าซ

มีหลักการทำงานคือ คอมเพรสเซอร์จะอัดอากาศจากภายนอก และนำเข้าสู่ห้องเผาไหม้ เชื้อเพลิงจะถูกฉีดเข้ามาผสมกับอากาศและจุดระเบิด เกิดก๊าซร้อนจากการเผาไหม้ขึ้น ซึ่งจะขยายตัวผ่านเครื่องกังหันก๊าซ แกนของเครื่องกังหันก๊าซจะต่อไปขับเครื่องปั่นไฟฟ้า เพื่อผลิตกระแสไฟฟ้า ส่วนก๊าซร้อนที่ปล่อยจากกังหันก๊าซจะมีอุณหภูมิประมาณ 450-550 องศาเซลเซียส ก๊าซร้อนนี้สามารถนำไปใช้เป็นแหล่งให้ความร้อน เพื่อผลิตไอน้ำที่ความดันต่ำๆ หรือนำไปใช้โดยตรงเพื่อใช้ในกระบวนการผลิต

3.3 ระบบโคเจนเนอเรชั่นชนิดเครื่องยนต์เผาไหม้ภายใน

ระบบนี้สามารถแบ่งได้ตามประเภทเครื่องยนต์เป็น 2 ชนิด คือ เครื่องยนต์ Spark-Ignition Engine จะใช้เชื้อเพลิงเหลวหรือก๊าซธรรมชาติเป็นเชื้อเพลิง และเครื่องยนต์ Compression-Ignition Engines จะใช้น้ำมันดีเซลหรือน้ำมันเตาเป็นเชื้อเพลิง พลังงานที่ผลิตได้อยู่ในช่วง 100 kW. ถึง 10 MW. พลังงานความร้อนที่ออกมาอยู่ในรูปของก๊าซไอเสีย น้ำหล่อเย็นเสื้อสูบและน้ำมันหล่อลื่น ซึ่งการนำพลังงานความร้อนไปใช้อาจใช้คู่กับ Waste Heat Boiler ในการผลิตไอน้ำหรือน้ำร้อน

4. การคำนวณค่าอุณหภูมิพื้นผิว (Surface Temperature) จากข้อมูลดาวเทียม LANDSAT-8

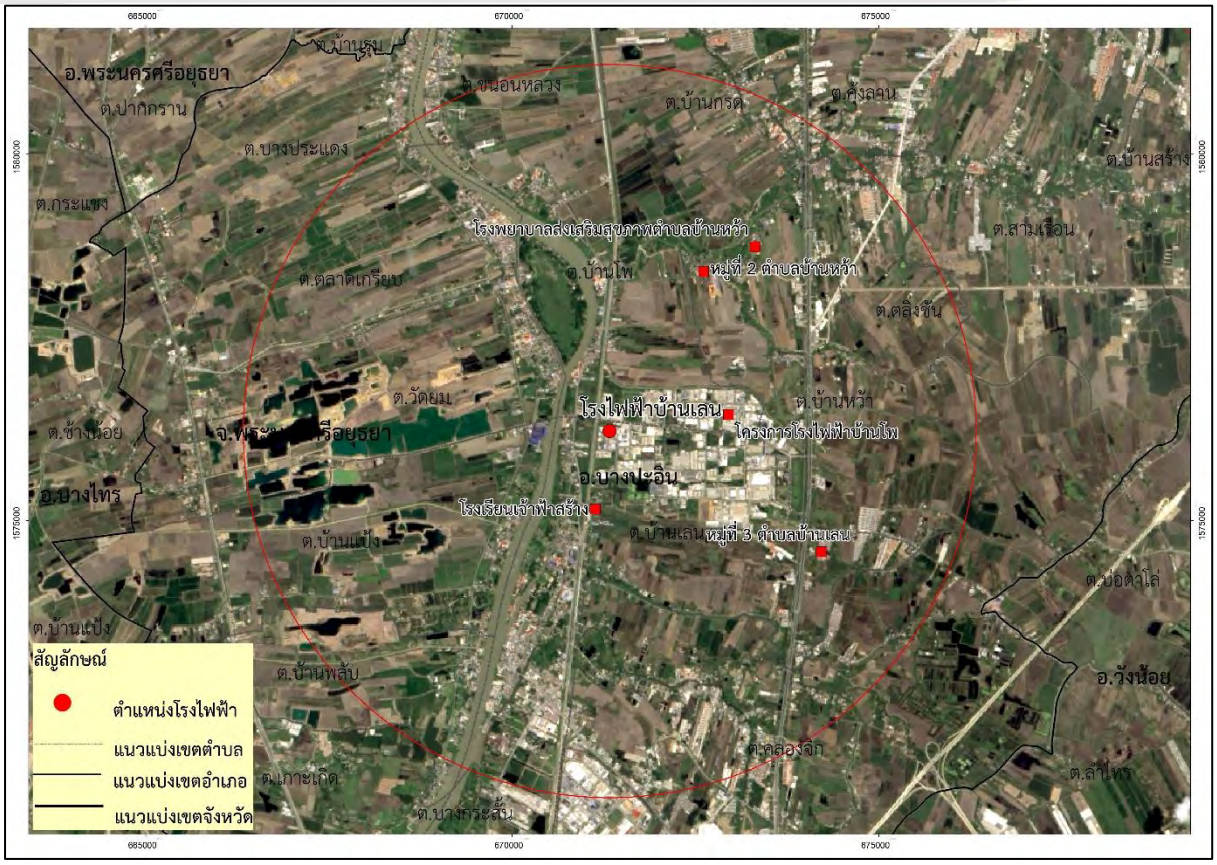
4.1 พื้นที่ศึกษา

โครงการโรงไฟฟ้าบ้านเลน ตั้งอยู่ที่นิคมอุตสาหกรรมบ้านหว้า (ไฮเทค) อำเภอบางปะอิน จังหวัดพระนครศรีอยุธยา สภาพพื้นที่โดยทั่วไปตั้งอยู่บริเวณพื้นที่ราบลุ่ม ภาคกลางของประเทศไทย ทิศเหนือติดต่อกับอำเภอพระนครศรีอยุธยา และอำเภออุทัย จังหวัดพระนครศรีอยุธยา ทิศตะวันออกติดต่อกับอำเภอวังน้อย

จังหวัดพระนครศรีอยุธยา ทิศใต้ติดต่อกับอำเภอคลองหลวง จังหวัดปทุมธานี ทิศตะวันตกติดต่อกับอำเภอบางไทร จังหวัดพระนครศรีอยุธยา สภาพภูมิอากาศโดยทั่วไป มี 3 ฤดูกาล คือ ฤดูหนาว เริ่มตั้งแต่กลางเดือนตุลาคมถึงกลางเดือนกุมภาพันธ์ ซึ่งเป็นฤดูมรสุมตะวันออกเฉียงเหนือ ฤดูร้อน เริ่มเมื่อมรสุมตะวันออกเฉียงเหนือสิ้นสุดลง คือประมาณกลางเดือนกุมภาพันธ์ถึงกลางเดือนพฤษภาคม และฤดูฝน เริ่มตั้งแต่กลางเดือนพฤษภาคมถึงกลางเดือนตุลาคม ซึ่งเป็นช่วงที่มรสุมตะวันตกเฉียงใต้ ประชากรส่วนใหญ่ประกอบอาชีพในภาคเกษตรกรรม และอุตสาหกรรม ดังภาพขยายพื้นที่บริเวณโครงการโรงไฟฟ้าในภาพที่ 1 และพื้นที่โดยรอบโครงการโรงไฟฟ้า ดังภาพที่ 2

ภาพที่ 1 ภาพขยายบริเวณ โครงการโรงไฟฟ้าบ้านเลนและพื้นที่โดยรอบโครงการโรงไฟฟ้า
(ข้อมูลจากดาวเทียม LANDSAT-8 OLI, band 432 บันทึกภาพวันที่ 23 พฤษภาคม 2568)

ในการศึกษา ได้กำหนดพื้นที่ศึกษาโดยรอบโครงการโรงไฟฟ้าบ้านเลนโดยรอบประมาณ 5 ตารางกิโลเมตร ดังภาพที่ 2 ซึ่งจะครอบคลุมพื้นที่การใช้ประโยชน์ที่ดินและสิ่งปกคลุมดินหลายประเภท เช่น พื้นที่ประกอบอุตสาหกรรม ชุมชนเมือง พื้นที่การเกษตร แหล่งน้ำ และพื้นที่เปิดโล่ง ซึ่งจะทำให้สามารถเปรียบเทียบความแตกต่างของอุณหภูมิพื้นผิวในพื้นที่ที่มีลักษณะแตกต่างกันได้อย่างชัดเจน



ภาพที่ 2 แสดงสภาพพื้นที่บริเวณอำเภอบางปะอิน จังหวัดพระนครศรีอยุธยา
(ข้อมูลจากดาวเทียม LANDSAT-8 OLI, band 432 บันทึกภาพวันที่ 23 พฤษภาคม 2568)

4.2 ขั้นตอนการศึกษา

4.2.1 ข้อมูลดาวเทียมที่ใช้ในการศึกษา

ข้อมูลจากดาวเทียม LANDSAT-8 TIRS, Band 10 (ความยาวคลื่น 10.60 -11.19 นาโนเมตร) หรือช่วงคลื่นอินฟราเรดความร้อน (Thermal Infrared) Path/Row ที่ 129/50, เวลาถ่ายภาพประมาณ 10:30 นาฬิกา (เวลาประเทศไทย) มีความละเอียดของภาพ (Spatial resolution) ที่ 100 เมตร (ในขณะที่ Band อื่นๆ ได้แก่ band1-7 และ band 9 จะมีความละเอียดภาพที่ 30 เมตร รายละเอียดดังตารางที่ 1) ซึ่งเป็นช่วงคลื่นที่นำมาใช้ในการหาค่าอุณหภูมิผิวพื้น (Land Surface Temperature : LST) บริเวณ โครงการโรงไฟฟ้าบ้านเลนและพื้นที่ใกล้เคียงโดยเลือกข้อมูลจากดาวเทียม LANDSAT-8 วันที่ 23 พฤษภาคม 2568 เวลา 10:37:13 นาฬิกา (เวลาประเทศไทย)

ตารางที่ 1 แสดงรายละเอียด Satellite Sensors ของ LANDSAT-7,8

Landsat-7 ETM+ Bands (μm)			Landsat-8 OLI and *TIRS* Bands (μm)		
			30 m Coastal/Aerosol	0.435 - 0.451	Band 1
Band 1	30 m Blue	0.441 - 0.514	30 m Blue	0.452 - 0.512	Band 2
Band 2	30 m Green	0.519 - 0.601	30 m Green	0.533 - 0.590	Band 3
Band 3	30 m Red	0.631 - 0.692	30 m Red	0.636 - 0.673	Band 4
Band 4	30 m NIR	0.772 - 0.898	30 m NIR	0.851 - 0.879	Band 5
Band 5	30 m SWIR-1	1.547 - 1.749	30 m SWIR-1	1.566 - 1.651	Band 6
Band 6	60 m TIR	10.31 - 12.36	*100 m TIR-1*	*10.60 – 11.19*	Band 10
			100 m TIR-2	*11.50 – 12.51*	Band 11
Band 7	30 m SWIR-2	2.064 - 2.345	30 m SWIR-2	2.107 - 2.294	Band 7
Band 8	15 m Pan	0.515 - 0.896	15 m Pan	0.503 - 0.676	Band 8
			30 m Cirrus	1.363 - 1.384	Band 9

ข้อมูลจากดาวเทียม LANDSAT-8 ที่ได้รับข้อมูลจากสถานีรับสัญญาณดาวเทียมที่นำมาวิเคราะห์ เป็นข้อมูล level 1 ซึ่งผ่านกระบวนการปรับแก้ทาง Radiometric และ Geometric Correction อยู่ในลักษณะข้อมูล GeoTIFF Format

4.2.2 วิธีการคำนวณค่าอุณหภูมิพื้นผิวดิน (Land Surface Temperature)

ข้อมูลดาวเทียม LANDSAT-8 TM, Path/Row ที่ 129/50, เวลาถ่ายภาพประมาณ 10:37:17 นาฬิกา (เวลาประเทศไทย) เลือกเฉพาะช่วง band 10 ที่ถูกปรับแก้ความคลาดเคลื่อนทางภูมิศาสตร์แล้ว จะถูกนำมาคำนวณ เพื่อหาค่าอุณหภูมิพื้นผิวบริเวณโครงการโรงไฟฟ้าบ้านเลนและพื้นที่ใกล้เคียง ดังมีรายละเอียดตามขั้นตอนดังนี้

1). เปลี่ยนค่า Digital Number (DN) ของข้อมูลจากดาวเทียมLANDSAT-8 TIRS, Thermal Infrared Sensor (band 10) ไปเป็นค่า Spectral Radiance ดังสมการที่ 1 (USGS, 2013):

สมการที่ 1 $L_\lambda = 0.00033422 \times DN + 0.1$

เมื่อ L_λ คือ ค่า Spectral Radiance มีหน่วยเป็น W/(m^{2}sterμm)

DN ค่า Digital Number ของข้อมูล band 10หน่วยเป็น W/(m^{2}sterμm)

2). เปลี่ยนค่า Spectral Radiance ไปเป็นค่า Brightness Temperature, T_B (หรือ Black Body Temperature) ตามความสัมพันธ์ ดังสมการที่ 2 (LANDSAT Project Science Office, 2002)

สมการที่ 2 $$T_B = \frac{K_2}{\ln\left(\frac{K_1}{L_\lambda}+1\right)}$$

เมื่อ T_B คือค่า Effective at-Satellite Temperature หน่วย Kelvin, K

L_λ คือค่า Spectral Radiance มีหน่วยเป็น W/(m^2sterμm)

K2 และ K1 คือค่า Pre-launch Calibration Constant ซึ่งกำหนดสำหรับข้อมูลจากดาวเทียม LANDSAT-8 TIRS ดังนี้

ตารางที่ 2 รายละเอียดข้อมูล (metadata)สำหรับ TIRS Thermal Band Calibration Constants (U.S. Geological Survey, 2013)

Constant (Unit)	Band 10	Band 11
Radiance Multiplier	**0.0003342**	**0.0003342**
Radiance Add	0.1	0.1
K1(watts/(meter squared * ster * μm)	774.89	480.89
K2(Kelvin)	1321.08	1201.14

3). ค่าอุณหภูมิในสมการข้างบนจะเป็นค่าที่อ้างอิงจาก back body ดังนั้นเพื่อหาค่าอุณหภูมิพื้นผิวดินที่แท้จริง จะต้องคำนึงถึงการแผ่รังสีจากสิ่งปกคลุมพื้นผิว (spectral emissivity according to the natural of land cover) จาก Snyder et al. (1998) ได้เสนอการคำนวณหาค่า เพื่อปรับแก้อุณหภูมิการปลดปล่อยที่พื้นผิว (emissivity corrected land surface temperature; S_t) ซึ่งคำนวณตามความสัมพันธ์ ดังสมการที่ 3 (Artis& Carnahan, 1982)

สมการที่ 3 $$S_t = \frac{T_B}{1+\left(\lambda \times T_B/\rho\right)\ln\varepsilon}$$

เมื่อ St คือ ค่าอุณภูมิพื้นผิว หน่วย Kelvin, K

T_B คือ ค่า Effective at-Satellite Temperature หน่วย Kelvin, K

λ คือ ความยาวคลื่นของ Emitted Radiance ซึ่งเลือกใช้ค่ากลางที่ λ = 10.6μm

ε คือ ค่าเฉลี่ยการปลดปล่อยเชิงคลื่น (Spectral Emissivity) จากพื้นผิวแบบต่างๆ ซึ่งค่าที่เลือกใช้ในสมการ สามารถดูได้จากตารางที่ 3 ซึ่งค่าที่ใช้ในการคำนวณ จะใช้ ε = 0.969 (Arid bare soil/Urban)

ρ มีค่าเท่ากับ 1.438 x 10^{-2} m K, เป็นค่าที่ได้มาจากความสัมพันธ์ $\rho = h \times c/\sigma$

เมื่อ h = ค่าคงที่ของ Plank (6.626x10^{-34} J-s)

C = ความเร็วของแสง (Velocity of Light) (2.998x10^8 m/s)

σ = ค่าคงที่ของ Stefan Boltzmann (1.38x10^{-23} J/K)

ตารางที่ 3 ค่าเฉลี่ยตามฤดูกาลของการแผ่รังสีจากสิ่งปกคลุมพื้นผิวแต่ละชนิด สำหรับข้อมูลดาวเทียม MODIS band 31 and 32 (Snyder et al., 1998)

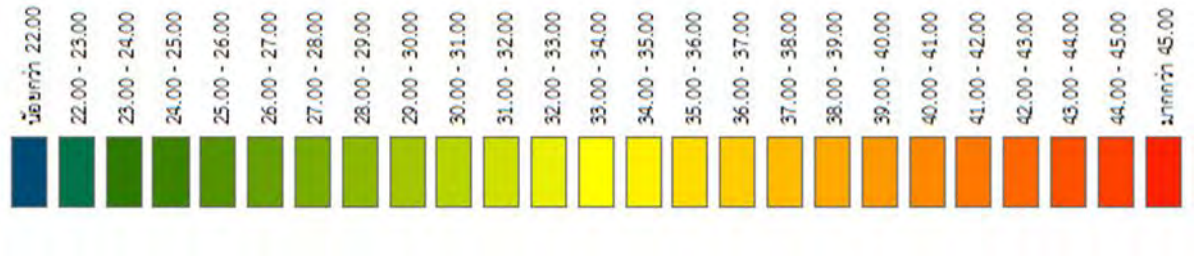
Emissivity Classes	Mean Emissivity (ε)					
	Green Season			Senescent Season		
	10.8-11.3μm	11.8-12.3μm	Average	10.8-11.3μm	11.8-12.3μm	Average
NeedleForest	0.989	0.991	0.990	0.986	0.988	0.987
Broadleaf Forest	0.987	0.990	0.989	0.968	0.971	0.970
Woody Savanna	0.988	0.991	0.990	0.975	0.978	0.977
Grass Savanna	0.987	0.991	0.989	0.973	0.975	0.974
Sparse Shrubs	0.972	0.975	0.974	0.970	0.976	0.973
Water/Wetland	0.991	0.986	0.989	0.991	0.986	0.989
Organic Bare Soil	0.977	0.982	0.980	0.977	0.982	0.980
Arid Bare Soil/ Urban	0.966	0.972	0.969	0.966	0.972	0.969

4). คำนวณหาค่าอุณหภูมิในหน่วยเซลเซียส จากความสัมพันธ์

Centigrade Temperature (°C) = Absolute Temperature (°K) -273.15

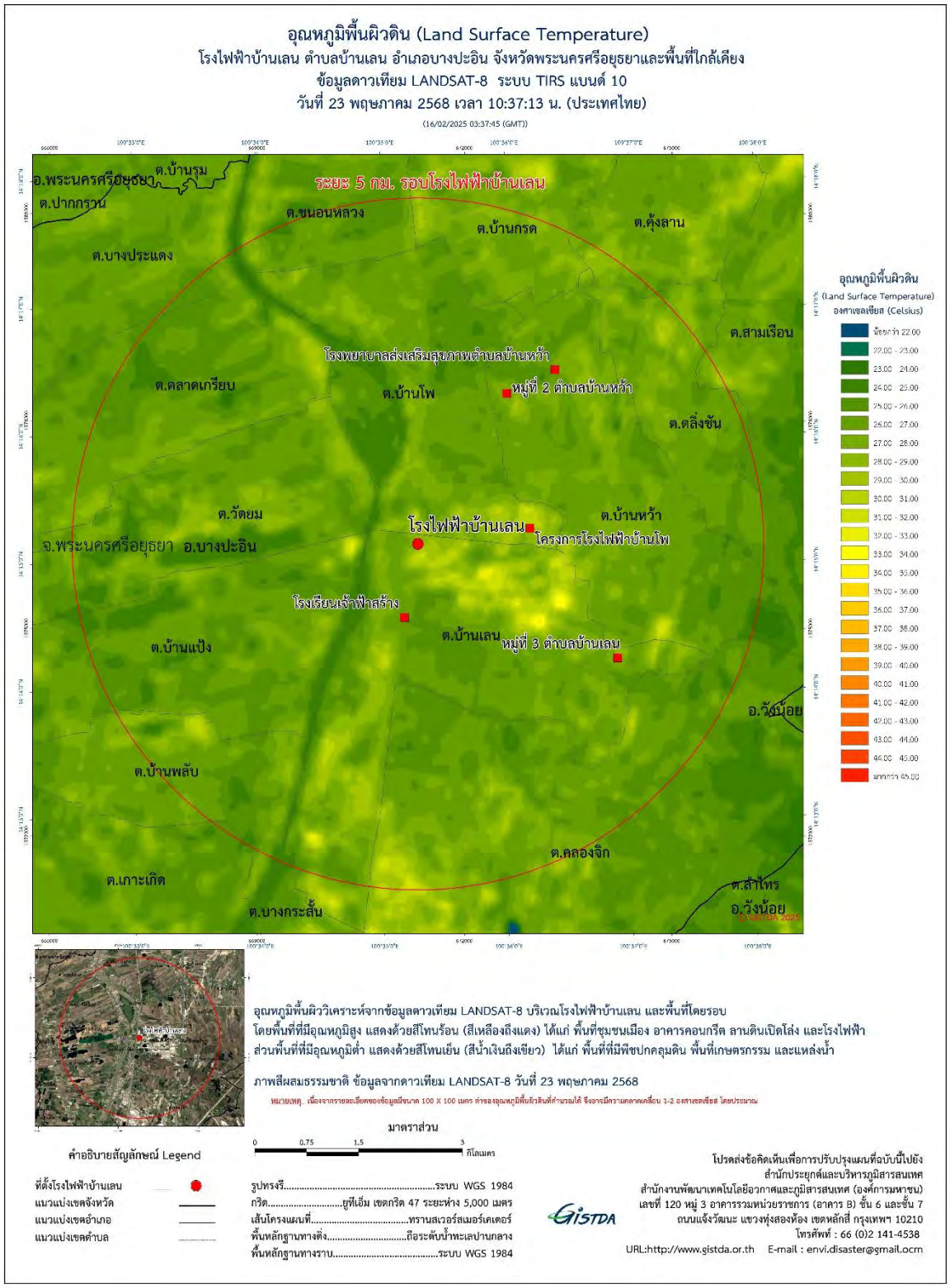
5.1 ข้อมูลอุณหภูมิพื้นผิวดิน จาก LANDSAT-8

ข้อมูลอุณหภูมิพื้นผิวดินที่มีหน่วยเป็นองศาเซลเซียส ซึ่งได้จากการคำนวณในช่วงต้น จะถูกนำมากำหนดค่าสีของแต่ละช่วงอุณหภูมิ โดยกำหนดค่าอันตรภาคชั้น (Class Interval) ของอุณหภูมิแต่ละช่วงให้เท่ากับ 1 องศาเซลเซียส ดังแสดงในภาพที่ 3

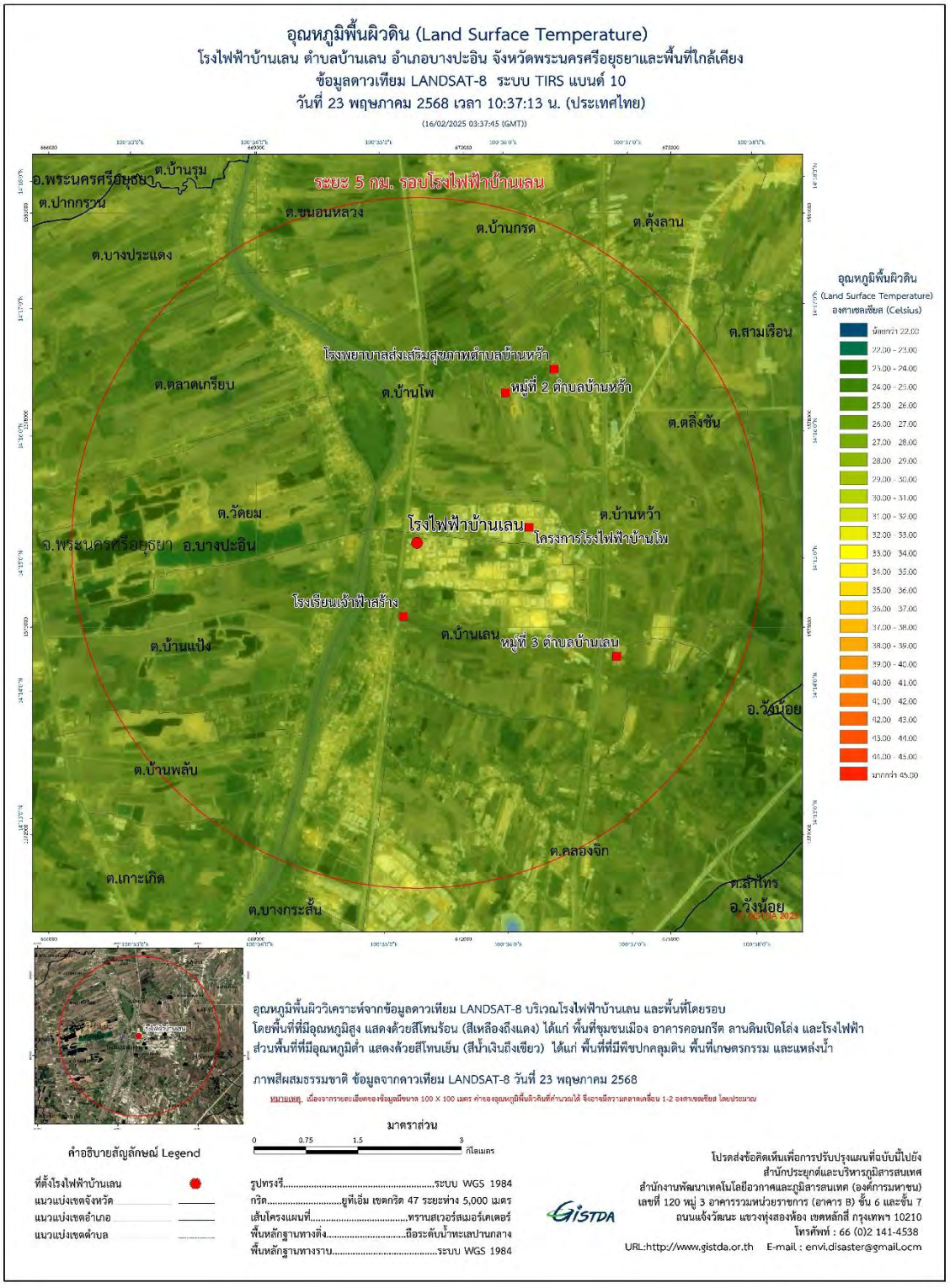


ภาพที่ 3 แสดงช่วงอันตรภาคชั้น (Class Interval) และสีที่แทนค่าของค่าอุณหภูมิแต่ละช่วง

อุณหภูมิพื้นผิวดิน (Land Surface Temperature) บริเวณโครงการโรงไฟฟ้าบ้านเลนและพื้นที่ใกล้เคียง วันที่ 23 พฤษภาคม 2568 ดังภาพที่ 4-5



ภาพที่ 4 อุณหภูมิพื้นผิวดิน (Land Surface Temperature) โครงการโรงไฟฟ้าบ้านเลนและพื้นที่ใกล้เคียง จากข้อมูลดาวเทียม Landsat-8TIRS, band 10 บันทึกภาพเมื่อวันที่ 23 พฤษภาคม 2568 เวลา 10:37:13 น.



ภาพที่ 5 อุณหภูมิพื้นผิวดิน (Land Surface Temperature) ข้อมูลจากดาวเทียม Landsat-8TIRS, band 10 บันทึกภาพเมื่อวันที่ 23 พฤษภาคม 2568 ซ้อนทับกับภาพสีผสมธรรมชาติ ข้อมูลจากดาวเทียม Landsat-8 บันทึกภาพวันที่ 23 พฤษภาคม 2568

จากภาพอุณหภูมิพื้นผิวดิน (Land Surface Temperature) บริเวณโครงการโรงไฟฟ้าบ้านเลนและพื้นที่ใกล้เคียงในภาพที่ 4–5 แสดงความแตกต่างของอุณหภูมิพื้นผิวดินที่ขึ้นอยู่กับการใช้ประโยชน์ที่ดินและสิ่งปกคลุมดินได้อย่างชัดเจน จากภาพจะเห็นได้ว่า

ในวันที่ 23 พฤษภาคม 2568 บริเวณพื้นที่ศึกษาโครงการโรงไฟฟ้าบ้านเลนและพื้นที่ใกล้เคียง มีค่าอุณหภูมิพื้นผิวดินอยู่ระหว่าง 23.1 – 34.5 องศาเซลเซียส โดยพื้นที่เกษตรกรรม แหล่งน้ำ พื้นที่ชุ่มน้ำ และพื้นที่โรงงานบางแห่ง จะมีค่าอุณหภูมิพื้นผิวจากข้อมูลดาวเทียม อยู่ระหว่าง 23.1 – 29.4 องศาเซลเซียส

ส่วนบริเวณโรงงานอุตสาหกรรม แหล่งชุมชน หรือพื้นที่ที่มีพื้นผิวสิ่งปกคลุมเป็นคอนกรีต ไม้ สังกะสี และพื้นดินเปิดโล่ง จะมีค่าอุณหภูมิพื้นผิวดินสูงกว่าพื้นที่ข้างต้น คือมีค่าอยู่ที่ประมาณ 26.0 – 34.5 องศาเซลเซียส

โดยพื้นที่โครงการโรงไฟฟ้าบ้านเลน มีค่าอุณหภูมิอยู่ระหว่าง 27.3 – 29.9 องศาเซลเซียส

จากผลการศึกษาดังกล่าว เมื่อนำค่าอุณหภูมิพื้นผิวดินที่ได้จากการวิเคราะห์โดยข้อมูลจากดาวเทียม LANDSAT-8 TIRS, แบนด์ 10 เปรียบเทียบกับค่าอุณหภูมิของกรมอุตุนิยมวิทยา จากสถานีปทุมธานี สกษ. ต.คลองหนึ่ง อ.คลองหลวง จ.ปทุมธานี ในช่วงเวลาใกล้เคียงกัน พบว่าค่าอุณหภูมิพื้นผิวดินที่ได้จากการวิเคราะห์โดยข้อมูลจากดาวเทียมต่ำกว่าของกรมอุตุนิยมวิทยาประมาณ 2-3 องศาเซลเซส ดังตารางที่ 4

ตารางที่ 4 แสดงค่าอุณหภูมิ (องศาเซลเซียส) ของกรมอุตุนิยมวิทยาจากสถานีปทุมธานี สกษ. จังหวัดปทุมธานี

สถานี/จังหวัด	วัน/เดือน/ปี	ค่าอุณหภูมิ
ปทุมธานี สกษ./ปทุมธานี	20/05/2025 10:00 น.	33.0
ปทุมธานี สกษ./ปทุมธานี	21/05/2025 10:00 น.	29.5
ปทุมธานี สกษ./ปทุมธานี	22/05/2025 10:00 น.	32.0
ปทุมธานี สกษ./ปทุมธานี	23/05/2025 10:00 น.	32.5
ปทุมธานี สกษ./ปทุมธานี	24/05/2025 10:00 น.	31.8
ปทุมธานี สกษ./ปทุมธานี	25/05/2025 10:00 น.	29.8
ปทุมธานี สกษ./ปทุมธานี	26/05/2025 10:00 น.	30.0

หมายเหตุ : * อุณหภูมิตุ้มแห้ง : Dry-bulb temperature อุณหภูมิที่อ่านได้จากเทอร์โมมิเตอร์ตุ้มแห้งหรือเทอร์โมมิเตอร์ธรรมดา ซึ่งติดตั้งอยู่ในที่ที่ มีอากาศถ่ายเทตามธรรมชาติ และอยู่ในร่มเงาไม่ถูกรังสีจากดวงอาทิตย์โดยตรง

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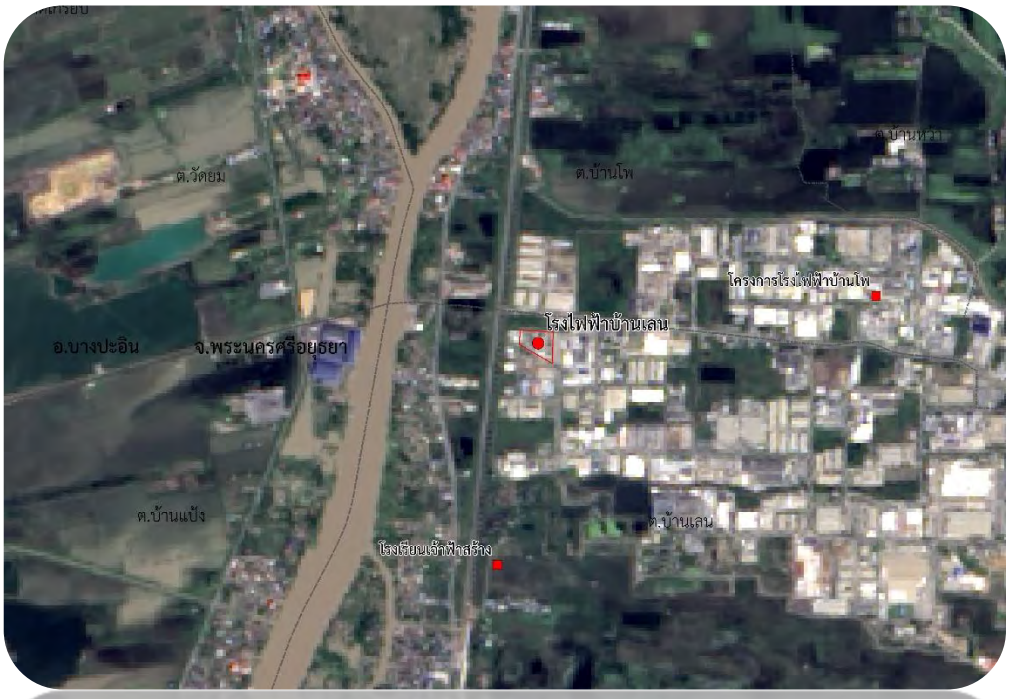
สถาบันสารสนเทศทรัพยากรน้ำและการเกษตร (องค์การมหาชน), คลังข้อมูลน้ำแห่งชาติ, ติดตามสภาพอากาศ, URL: https://www.thaiwater.net/weather/weather-station.

รายงาน

การหาอุณหภูมิพื้นผิว (Land Surface Temperature) โดยใช้ข้อมูลจากดาวเทียม LANDSAT-8 ระบบ TIRS บริเวณโครงการโรงไฟฟ้าบ้านเลน ตำบลบ้านเลน อำเภอบางปะอิน จังหวัดพระนครศรีอยุธยา 15 พฤศจิกายน 2568



โดย

ฝ่ายจัดการภัยธรรมชาติ

สำนักประยุกต์และพัฒนาภูมิสารสนเทศ

สำนักงานพัฒนาเทคโนโลยีอวกาศและภูมิสารสนเทศ (องค์การมหาชน)

อุณหภูมิพื้นผิว (Land Surface Temperature)

1. ความเป็นมาของการศึกษา

เนื่องจากสำนักงานพัฒนาเทคโนโลยีอวกาศและภูมิสารสนเทศ(องค์การมหาชน): สทอภ. ได้รับการติดต่อจากจากบริษัท เอแอลเอส แลบอราทอรี่ กรุ๊ป (ประเทศไทย) จำกัด ให้ดำเนินการวิเคราะห์และประมวลผลข้อมูลคลื่นความร้อนโดยแสดงเป็นอุณหภูมิพื้นผิว (Land surface temperature) หน่วยเป็นองศาเซลเซียส บริเวณโครงการโรงไฟฟ้าบ้านเลน เพื่อแสดงความแตกต่างระหว่างอุณหภูมิพื้นผิวบริเวณโครงการโรงไฟฟ้าและพื้นที่ใกล้เคียงโดยรอบ ซึ่งส่วนใหญ่เป็นพื้นที่เขตประกอบการอุตสาหกรรม แหล่งชุมชนและพื้นที่เกษตร ทั้งนี้เพื่อใช้เป็นข้อมูลพื้นฐานของอุณหภูมิพื้นผิวช่วงฤดูหนาว (กลางเดือนพฤศจิกายน)

2. โครงการโรงไฟฟ้าบ้านเลน

โครงการโรงไฟฟ้าบ้านเลน เป็นโรงไฟฟ้าพลังความร้อนร่วม ใช้ก๊าซธรรมชาติเป็นเชื้อเพลิงในการผลิตไฟฟ้า มีลักษณะกระบวนการผลิตแบบโคเจนเนอเรชั่น กำลังการผลิตไฟฟ้าสุทธิประมาณ 137 เมกะวัตต์ (MW) โดยตั้งอยู่ในพื้นที่ประมาณ 11.88 ไร่

2.1 ความเป็นมา

ตามแผนพัฒนากำลังการผลิตไฟฟ้าของประเทศไทย ระหว่างปี พ.ศ.2555-2573 (PDP2010 ฉบับปรับปรุงครั้งที่ 3) โดยกระทรวงพลังงานร่วมกับการไฟฟ้าฝ่ายผลิตแห่งประเทศไทย (กฟผ.) ได้พยากรณ์ความต้องการใช้ไฟฟ้าสูงสุดของประเทศไทยพบว่ามีแนวโน้มความต้องการใช้ไฟฟ้าสูงขึ้นทุกปี ทั้งนี้เพื่อรองรับความต้องการการใช้ไฟฟ้าที่เพิ่มขึ้นตามแผน PDP2010 จึงได้กำหนดให้มีการรับซื้อไฟฟ้าจากผู้ผลิตไฟฟ้ารายเล็ก (SPP) ระบบโคเจนเนอเรชั่น

การรับซื้อไฟฟ้าจากผู้ผลิตไฟฟ้ารายเล็กมีวัตถุประสงค์ ต่อไปนี้

2.1.1 ส่งเสริมให้ผู้ผลิตไฟฟ้ารายเล็กเข้ามามีส่วนร่วมในการผลิตไฟฟ้า

2.1.2 ส่งเสริมให้มีการใช้ต้นพลังงานในการผลิตไฟฟ้าให้เกิดประโยชน์มากยิ่งขึ้น

2.1.3 ช่วยแบ่งเบาภาระด้านการลงทุนของรัฐในระบบการผลิต และระบบจำหน่ายไฟฟ้า

โครงการโรงไฟฟ้าบ้านเลน ดำเนินการโดยบริษัท กัลฟ์ บีแอล จำกัด ซึ่งจัดตั้งขึ้นเพื่อดำเนินธุรกิจผลิตและจำหน่ายไฟฟ้าตามแผนพัฒนากำลังการผลิตไฟฟ้าของประเทศไทย โดยจัดจำหน่ายไฟฟ้าให้กับการไฟฟ้าฝ่ายผลิตแห่งประเทศไทย (กฟผ.) ตามโครงการรับซื้อไฟฟ้าจากผู้ผลิตรายเล็ก (Small Power Producer : SPP) และโรงงานอุตสาหกรรม

2.2 ที่ตั้ง

โครงการโรงไฟฟ้าบ้านเลน ตั้งอยู่ที่นิคมอุตสาหกรรมบ้านหว้า (ไฮเทค) ริมทางหลวงแผ่นดินหมายเลข 32 บริเวณบ้านเลน อำเภอบางปะอิน จังหวัดพระนครศรีอยุธยา นิคมอุตสาหกรรมบ้านหว้า (ไฮเทค) เริ่มพัฒนาตั้งแต่ปี พ.ศ. 2532 ผู้เช่าส่วนใหญ่อยู่ในกลุ่มอุตสาหกรรมอิเล็กทรอนิกส์ ไฟฟ้า อุปกรณ์สื่อสาร กลุ่มชิ้นส่วนรถยนต์ เครื่องจักร และกลุ่มโรงงานพลาสติก

3. ระบบผลิตไฟฟ้าและความร้อนร่วม (Cogeneration System)

ระบบโคเจนเนอเรชั่น (Cogeneration) คือระบบที่ให้กำเนิดพลังงานไฟฟ้าหรือพลังงานกล และมีการใช้ประโยชน์จากพลังงานความร้อนในขณะเดียวกัน โดยอาศัยเชื้อเพลิงแหล่งเดียวกัน ซึ่งจะทำให้ต้นทุนการผลิตพลังงานในราคาที่ถูกกว่าระบบการผลิตอื่นๆ

เทคโนโลยีระบบผลิตพลังงานความร้อนร่วม แบ่งเป็น 2 รูปแบบ ตามลักษณะการทำงาน พิจารณาได้จากลำดับการนำพลังงานความร้อนไปใช้ประโยชน์ ระบบโคเจนเนอเรชั่นวัฏจักรบน (Topping Cycle Cogeneration) คือระบบที่ผลิตพลังงานกลก่อน แล้วนำพลังงานความร้อนที่เหลือไปใช้ประโยชน์ ส่วนระบบโคเจนเนอเรชั่นวัฏจักรล่าง (Bottoming Cycle Cogeneration) จะมีการนำพลังงานความร้อนไปใช้ประโยชน์ก่อนที่จะผลิตพลังงานไฟฟ้าหรือพลังงานกล

ซึ่งการนำเทคโนโลยีแต่ละรูปแบบข้างต้นไปใช้งานนั้น ขึ้นอยู่กับความเหมาะสมของแต่ละสถานประกอบการ โดยพิจารณาจากชนิดของเชื้อเพลิงที่หาได้ คุณภาพของพลังงานความร้อนที่ต้องการ ลักษณะการใช้ความร้อนและไฟฟ้าของโรงงาน เวลาการใช้งาน ต้นทุนการก่อสร้าง และเงื่อนไขด้านสิ่งแวดล้อม เป็นต้น

3.1 ระบบโคเจนเนอเรชั่นชนิดกังหันไอน้ำ

ระบบชนิดนี้ประกอบด้วย เครื่องกำเนิดไอน้ำ เครื่องกังหันไอน้ำ โดยใช้เชื้อเพลิงเหลว ก๊าซหรือเชื้อเพลิงแข็ง หลักการทำงานคือ เชื้อเพลิงจะถูกป้อนเข้าสู่ห้องเผาไหม้เพื่อให้ความร้อนแก่น้ำในเครื่อง กำเนิดไอน้ำ ซึ่งได้ไอน้ำยวดยิ่ง (Superheat Steam) ที่อุณหภูมิและความดันสูง ไอน้ำจะไปขับเครื่องกังหันไอน้ำได้กำลังเพลา ซึ่งสามารถนำไปขับเครื่องมือกลต่างๆ เช่น ปั๊ม คอมเพรสเซอร์ หรือเปลี่ยนรูปเป็นไฟฟ้าโดยขับเครื่องกำเนิดไฟฟ้า ส่วนไอน้ำที่ออกจากเครื่องสามารถนำไปใช้ในกระบวนการผลิตต่อไป

3.2 ระบบโคเจนเนอเรชั่นชนิดกังหันก๊าซ

มีหลักการทำงานคือ คอมเพรสเซอร์จะอัดอากาศจากภายนอก และนำเข้าสู่ห้องเผาไหม้ เชื้อเพลิงจะถูกฉีดเข้ามาผสมกับอากาศและจุดระเบิด เกิดก๊าซร้อนจากการเผาไหม้ขึ้น ซึ่งจะขยายตัวผ่านเครื่องกังหันก๊าซ แกนของเครื่องกังหันก๊าซจะต่อไปขับเครื่องปั่นไฟฟ้า เพื่อผลิตกระแสไฟฟ้า ส่วนก๊าซร้อนที่ปล่อยจากกังหันก๊าซจะมีอุณหภูมิประมาณ 450-550 องศาเซลเซียส ก๊าซร้อนนี้สามารถนำไปใช้เป็นแหล่งให้ความร้อน เพื่อผลิตไอน้ำที่ความดันต่ำๆ หรือนำไปใช้โดยตรงเพื่อใช้ในกระบวนการผลิต

3.3 ระบบโคเจนเนอเรชั่นชนิดเครื่องยนต์เผาไหม้ภายใน

ระบบนี้สามารถแบ่งได้ตามประเภทเครื่องยนต์เป็น 2 ชนิด คือ เครื่องยนต์ Spark-Ignition Engine จะใช้เชื้อเพลิงเหลวหรือก๊าซธรรมชาติเป็นเชื้อเพลิง และเครื่องยนต์ Compression-Ignition Engines จะใช้น้ำมันดีเซลหรือน้ำมันเตาเป็นเชื้อเพลิง พลังงานที่ผลิตได้อยู่ในช่วง 100 kW. ถึง 10 MW. พลังงานความร้อนที่ออกมาอยู่ในรูปของก๊าซไอเสีย น้ำหล่อเย็นเสื้อสูบและน้ำมันหล่อลื่น ซึ่งการนำพลังงานความร้อนไปใช้อาจใช้คู่กับ Waste Heat Boiler ในการผลิตไอน้ำหรือน้ำร้อน

4. การคำนวณค่าอุณหภูมิพื้นผิว (Surface Temperature) จากข้อมูลดาวเทียม LANDSAT-8

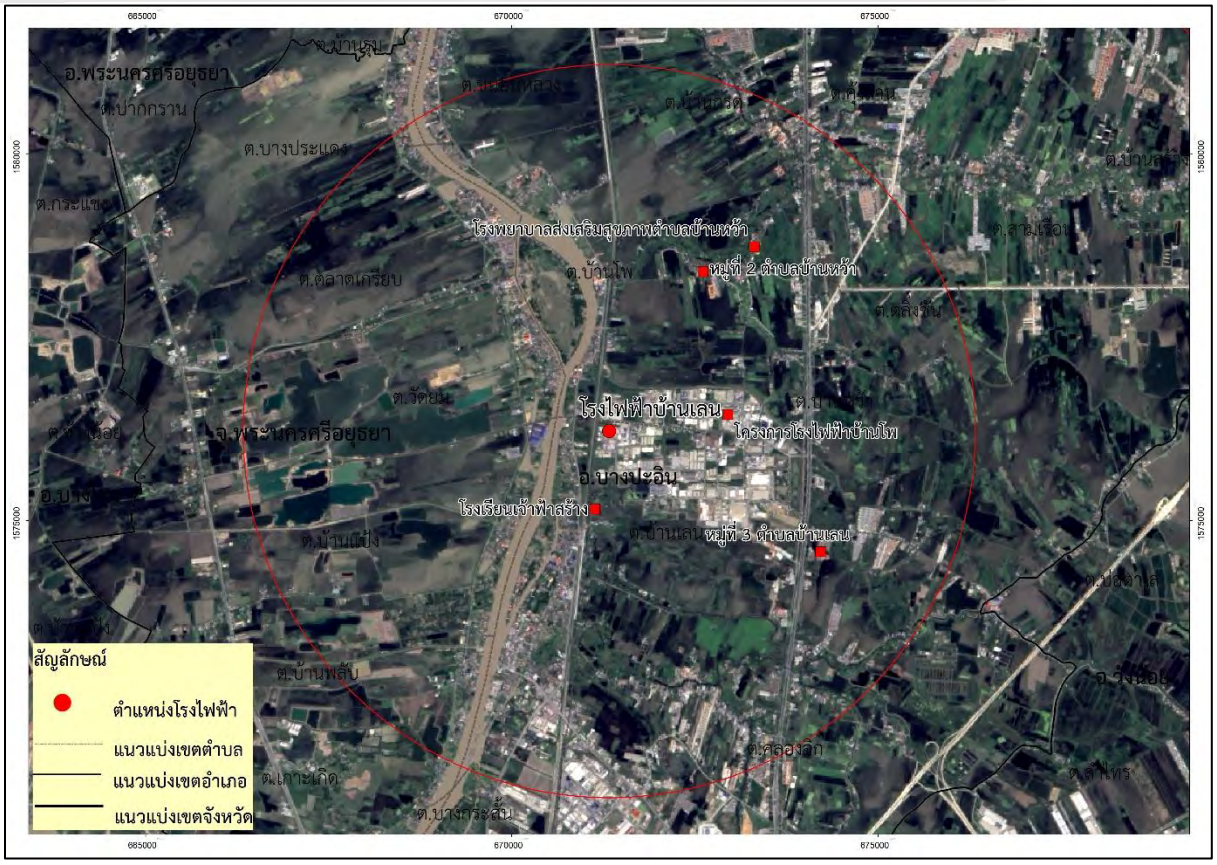
4.1 พื้นที่ศึกษา

โครงการโรงไฟฟ้าบ้านเลน ตั้งอยู่ที่นิคมอุตสาหกรรมบ้านหว้า (ไฮเทค) อำเภอบางปะอิน จังหวัดพระนครศรีอยุธยา สภาพพื้นที่โดยทั่วไปตั้งอยู่บริเวณพื้นที่ราบลุ่ม ภาคกลางของประเทศไทย ทิศเหนือติดต่อกับอำเภอพระนครศรีอยุธยา และอำเภออุทัย จังหวัดพระนครศรีอยุธยา ทิศตะวันออกติดต่อกับอำเภอวังน้อย

จังหวัดพระนครศรีอยุธยา ทิศใต้ติดต่อกับอำเภอคลองหลวง จังหวัดปทุมธานี ทิศตะวันตกติดต่อกับอำเภอบางไทร จังหวัดพระนครศรีอยุธยา สภาพภูมิอากาศโดยทั่วไป มี 3 ฤดูกาล คือ ฤดูหนาว เริ่มตั้งแต่กลางเดือนตุลาคมถึงกลางเดือนกุมภาพันธ์ ซึ่งเป็นฤดูมรสุมตะวันออกเฉียงเหนือ ฤดูร้อน เริ่มเมื่อมรสุมตะวันออกเฉียงเหนือสิ้นสุดลง คือประมาณกลางเดือนกุมภาพันธ์ถึงกลางเดือนพฤษภาคม และฤดูฝน เริ่มตั้งแต่กลางเดือนพฤษภาคมถึงกลางเดือนตุลาคม ซึ่งเป็นช่วงที่มรสุมตะวันตกเฉียงใต้ ประชากรส่วนใหญ่ประกอบอาชีพในภาคเกษตรกรรม และอุตสาหกรรม ดังภาพขยายพื้นที่บริเวณโครงการโรงไฟฟ้าในภาพที่ 1 และพื้นที่โดยรอบโครงการโรงไฟฟ้า ดังภาพที่ 2

ภาพที่ 1 ภาพขยายบริเวณ โครงการโรงไฟฟ้าบ้านเลนและพื้นที่โดยรอบโครงการโรงไฟฟ้า
(ข้อมูลจากดาวเทียม LANDSAT-8 OLI, band 432 บันทึกภาพวันที่ 15 พฤศจิกายน 2568)

ในการศึกษา ได้กำหนดพื้นที่ศึกษาโดยรอบโครงการโรงไฟฟ้าบ้านเลนโดยรอบประมาณ 5 ตารางกิโลเมตร ดังภาพที่ 2 ซึ่งจะครอบคลุมพื้นที่การใช้ประโยชน์ที่ดินและสิ่งปกคลุมดินหลายประเภท เช่น พื้นที่ประกอบอุตสาหกรรม ชุมชนเมือง พื้นที่การเกษตร แหล่งน้ำ และพื้นที่เปิดโล่ง ซึ่งจะทำให้สามารถเปรียบเทียบความแตกต่างของอุณหภูมิพื้นผิวในพื้นที่ที่มีลักษณะแตกต่างกันได้อย่างชัดเจน



ภาพที่ 2 แสดงสภาพพื้นที่บริเวณอำเภอบางปะอิน จังหวัดพระนครศรีอยุธยา
(ข้อมูลจากดาวเทียม LANDSAT-8 OLI, band 432 บันทึกภาพวันที่ 15 พฤศจิกายน 2568)

4.2 ขั้นตอนการศึกษา

4.2.1 ข้อมูลดาวเทียมที่ใช้ในการศึกษา

ข้อมูลจากดาวเทียม LANDSAT-8 TIRS, Band 10 (ความยาวคลื่น 10.60 -11.19 นาโนเมตร) หรือช่วงคลื่นอินฟราเรดความร้อน (Thermal Infrared) Path/Row ที่ 129/50, เวลาถ่ายภาพประมาณ 10:30 นาฬิกา (เวลาประเทศไทย) มีความละเอียดของภาพ (Spatial resolution) ที่ 100 เมตร (ในขณะที่ Band อื่นๆ ได้แก่ band1-7 และ band 9 จะมีความละเอียดภาพที่ 30 เมตร รายละเอียดดังตารางที่ 1) ซึ่งเป็นช่วงคลื่นที่นำมาใช้ในการหาค่าอุณหภูมิผิวพื้น (Land Surface Temperature : LST) บริเวณ โครงการโรงไฟฟ้าบ้านเลนและพื้นที่ใกล้เคียงโดยเลือกข้อมูลจากดาวเทียม LANDSAT-8 วันที่ 15 พฤศจิกายน 2568 เวลา 10:38:02 นาฬิกา (เวลาประเทศไทย)

ตารางที่ 1 แสดงรายละเอียด Satellite Sensors ของ LANDSAT-7,8

Landsat-7 ETM+ Bands (μm)			Landsat-8 OLI and *TIRS* Bands (μm)		
			30 m Coastal/Aerosol	0.435 - 0.451	Band 1
Band 1	30 m Blue	0.441 - 0.514	30 m Blue	0.452 - 0.512	Band 2
Band 2	30 m Green	0.519 - 0.601	30 m Green	0.533 - 0.590	Band 3
Band 3	30 m Red	0.631 - 0.692	30 m Red	0.636 - 0.673	Band 4
Band 4	30 m NIR	0.772 - 0.898	30 m NIR	0.851 - 0.879	Band 5
Band 5	30 m SWIR-1	1.547 - 1.749	30 m SWIR-1	1.566 - 1.651	Band 6
Band 6	60 m TIR	10.31 - 12.36	*100 m TIR-1*	*10.60 – 11.19*	Band 10
			100 m TIR-2	*11.50 – 12.51*	Band 11
Band 7	30 m SWIR-2	2.064 - 2.345	30 m SWIR-2	2.107 - 2.294	Band 7
Band 8	15 m Pan	0.515 - 0.896	15 m Pan	0.503 - 0.676	Band 8
			30 m Cirrus	1.363 - 1.384	Band 9

ข้อมูลจากดาวเทียม LANDSAT-8 ที่ได้รับข้อมูลจากสถานีรับสัญญาณดาวเทียมที่นำมาวิเคราะห์ เป็นข้อมูล level 1 ซึ่งผ่านกระบวนการปรับแก้ทาง Radiometric และ Geometric Correction อยู่ในลักษณะข้อมูล GeoTIFF Format

4.2.2 วิธีการคำนวณค่าอุณหภูมิพื้นผิวดิน (Land Surface Temperature)

ข้อมูลดาวเทียม LANDSAT-8 TM, Path/Row ที่ 129/50, เวลาถ่ายภาพประมาณ 10:37:17 นาฬิกา (เวลาประเทศไทย) เลือกเฉพาะช่วง band 10 ที่ถูกปรับแก้ความคลาดเคลื่อนทางภูมิศาสตร์แล้ว จะถูกนำมาคำนวณ เพื่อหาค่าอุณหภูมิพื้นผิวบริเวณโครงการโรงไฟฟ้าบ้านเลนและพื้นที่ใกล้เคียง ดังมีรายละเอียดตามขั้นตอนดังนี้

1). เปลี่ยนค่า Digital Number (DN) ของข้อมูลจากดาวเทียมLANDSAT-8 TIRS, Thermal Infrared Sensor (band 10) ไปเป็นค่า Spectral Radiance ดังสมการที่ 1 (USGS, 2013):

สมการที่ 1 $L_\lambda = 0.00033422 \times DN + 0.1$

เมื่อ L_λ คือ ค่า Spectral Radiance มีหน่วยเป็น W/(m^{2}sterμm)
DN ค่า Digital Number ของข้อมูล band 10หน่วยเป็น W/(m^{2}sterμm)

2). เปลี่ยนค่า Spectral Radiance ไปเป็นค่า Brightness Temperature, T_B (หรือ Black Body Temperature) ตามความสัมพันธ์ ดังสมการที่ 2 (LANDSAT Project Science Office, 2002)

สมการที่ 2 $T_B = \frac{K_2}{\ln\left(\frac{K_1}{L_\lambda}+1\right)}$

เมื่อ T_B คือค่า Effective at-Satellite Temperature หน่วย Kelvin, K

L_λ คือค่า Spectral Radiance มีหน่วยเป็น W/(m^2sterμm)

K2 และ K1 คือค่า Pre-launch Calibration Constant ซึ่งกำหนดสำหรับข้อมูลจากดาวเทียม LANDSAT-8 TIRS ดังนี้

ตารางที่ 2 รายละเอียดข้อมูล (metadata)สำหรับ TIRS Thermal Band Calibration Constants (U.S. Geological Survey, 2013)

Constant (Unit)	Band 10	Band 11
Radiance Multiplier	**0.0003342**	**0.0003342**
Radiance Add	0.1	0.1
K1(watts/(meter squared * ster * μm)	774.89	480.89
K2(Kelvin)	1321.08	1201.14

3). ค่าอุณหภูมิในสมการข้างบนจะเป็นค่าที่อ้างอิงจาก back body ดังนั้นเพื่อหาค่าอุณหภูมิพื้นผิวดินที่แท้จริง จะต้องคำนึงถึงการแผ่รังสีจากสิ่งปกคลุมพื้นผิว (spectral emissivity according to the natural of land cover) จาก Snyder et al. (1998) ได้เสนอการคำนวณหาค่า เพื่อปรับแก้อุณหภูมิการปลดปล่อยที่พื้นผิว (emissivity corrected land surface temperature; S_t) ซึ่งคำนวณตามความสัมพันธ์ ดังสมการที่ 3 (Artis& Carnahan, 1982)

สมการที่ 3 $S_t = \frac{T_B}{1+\left(\lambda \times T_B/\rho\right)\ln\varepsilon}$

เมื่อ St คือ ค่าอุณภูมิพื้นผิว หน่วย Kelvin, K

T_B คือ ค่า Effective at-Satellite Temperature หน่วย Kelvin, K

λ คือ ความยาวคลื่นของ Emitted Radiance ซึ่งเลือกใช้ค่ากลางที่ λ = 10.6μm

ε คือ ค่าเฉลี่ยการปลดปล่อยเชิงคลื่น (Spectral Emissivity) จากพื้นผิวแบบต่างๆ ซึ่งค่าที่เลือกใช้ในสมการ สามารถดูได้จากตารางที่ 3 ซึ่งค่าที่ใช้ในการคำนวณ จะใช้ ε = 0.969 (Arid bare soil/Urban)

ρ มีค่าเท่ากับ 1.438 x 10^{-2} m K, เป็นค่าที่ได้มาจากความสัมพันธ์ $\rho = h \times c/\sigma$

เมื่อ h = ค่าคงที่ของ Plank (6.626x10^{-34} J-s)

C = ความเร็วของแสง (Velocity of Light) (2.998x10^8 m/s)

σ = ค่าคงที่ของ Stefan Boltzmann (1.38x10^{-23} J/K)

ตารางที่ 3 ค่าเฉลี่ยตามฤดูกาลของการแผ่รังสีจากสิ่งปกคลุมพื้นผิวแต่ละชนิด สำหรับข้อมูลดาวเทียม MODIS band 31 and 32 (Snyder et al., 1998)

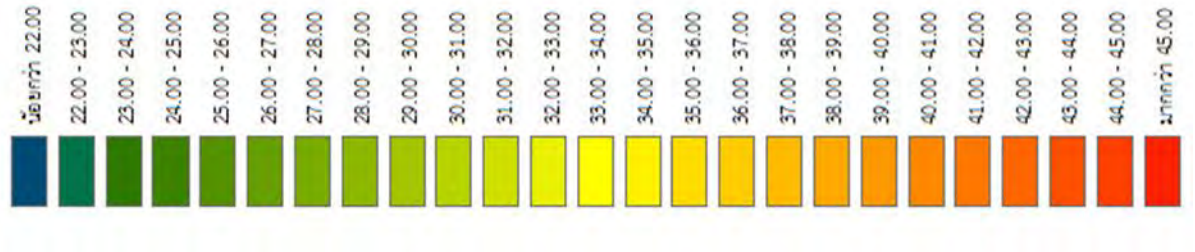
Emissivity Classes	Mean Emissivity (ε)					
	Green Season			Senescent Season		
	10.8-11.3μm	11.8-12.3μm	Average	10.8-11.3μm	11.8-12.3μm	Average
NeedleForest	0.989	0.991	0.990	0.986	0.988	0.987
Broadleaf Forest	0.987	0.990	0.989	0.968	0.971	0.970
Woody Savanna	0.988	0.991	0.990	0.975	0.978	0.977
Grass Savanna	0.987	0.991	0.989	0.973	0.975	0.974
Sparse Shrubs	0.972	0.975	0.974	0.970	0.976	0.973
Water/Wetland	0.991	0.986	0.989	0.991	0.986	0.989
Organic Bare Soil	0.977	0.982	0.980	0.977	0.982	0.980
Arid Bare Soil/ Urban	0.966	0.972	0.969	0.966	0.972	0.969

4). คำนวณหาค่าอุณหภูมิในหน่วยเซลเซียส จากความสัมพันธ์

Centigrade Temperature (°C) = Absolute Temperature (°K) -273.15

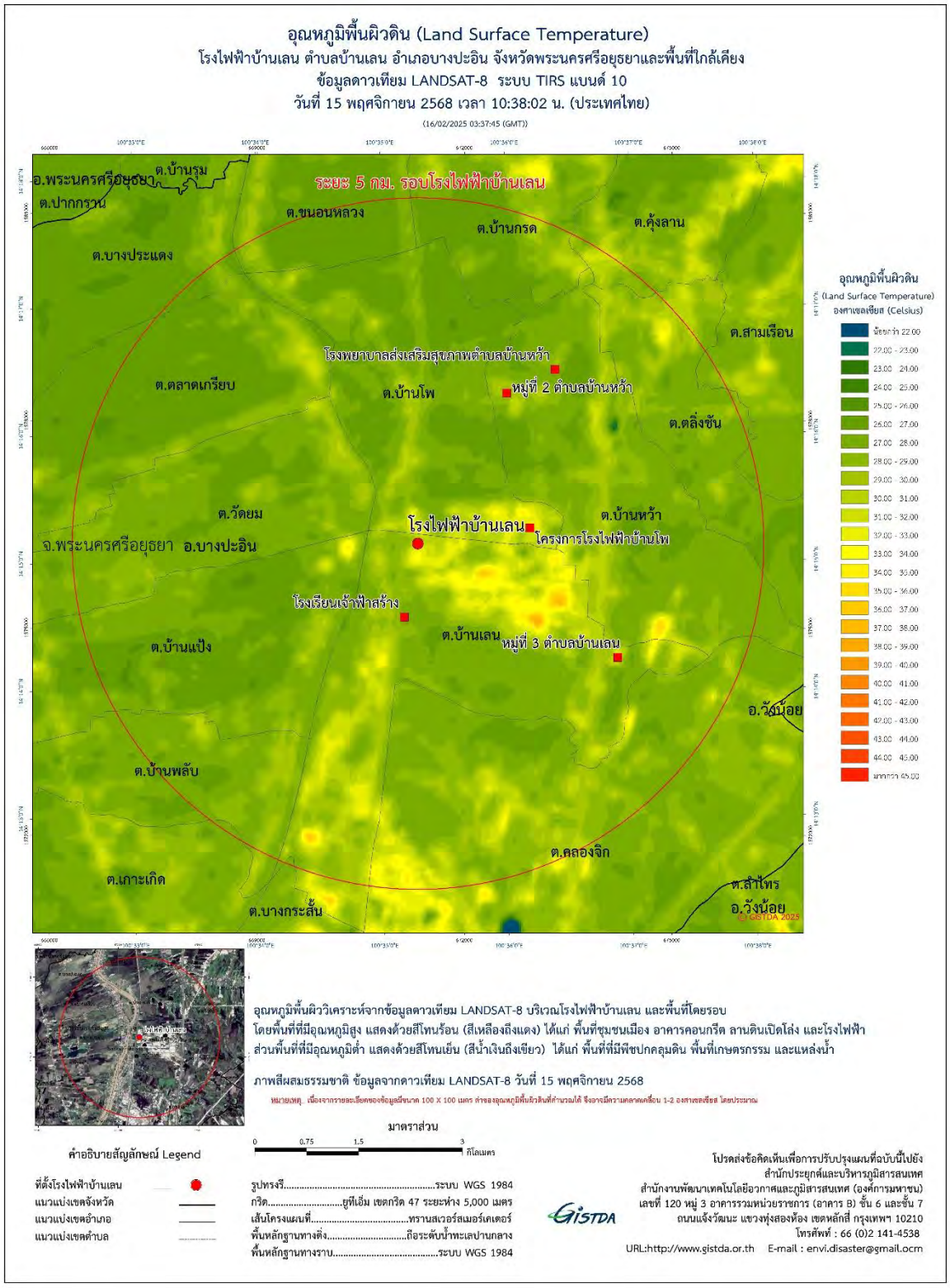
5.1 ข้อมูลอุณหภูมิพื้นผิวดิน จาก LANDSAT-8

ข้อมูลอุณหภูมิพื้นผิวดินที่มีหน่วยเป็นองศาเซลเซียส ซึ่งได้จากการคำนวณในช่วงต้น จะถูกนำมากำหนดค่าสีของแต่ละช่วงอุณหภูมิ โดยกำหนดค่าอันตรภาคชั้น (Class Interval) ของอุณหภูมิแต่ละช่วงให้เท่ากับ 1 องศาเซลเซียส ดังแสดงในภาพที่ 3

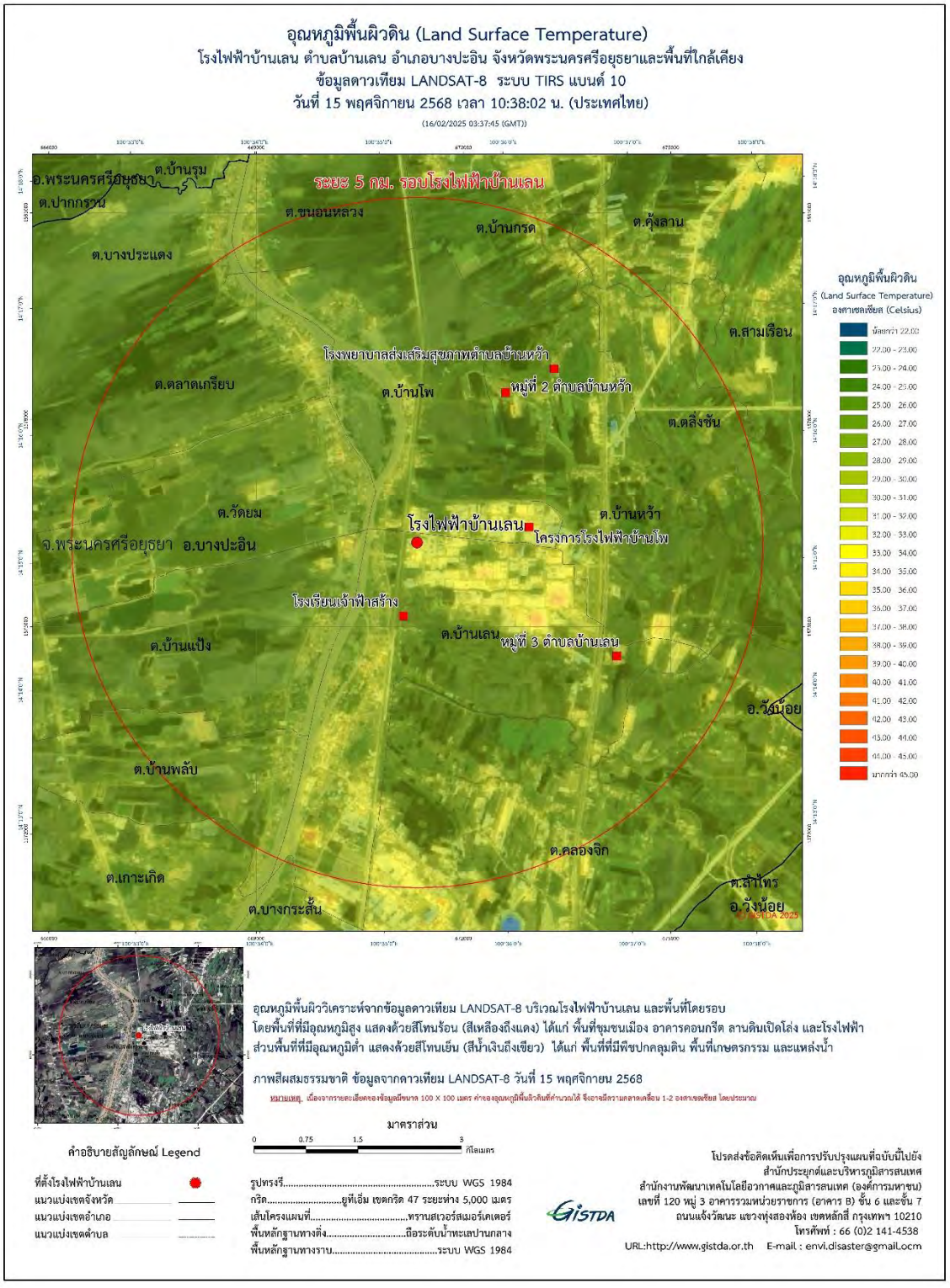


ภาพที่ 3 แสดงช่วงอันตรภาคชั้น (Class Interval) และสีที่แทนค่าของค่าอุณหภูมิแต่ละช่วง

อุณหภูมิพื้นผิวดิน (Land Surface Temperature) บริเวณโครงการโรงไฟฟ้าบ้านเลนและพื้นที่ใกล้เคียง วันที่ 15 พฤศจิกายน 2568 ดังภาพที่ 4-5



ภาพที่ 4 อุณหภูมิพื้นผิวดิน (Land Surface Temperature) โครงการโรงไฟฟ้าบ้านเลนและพื้นที่ใกล้เคียง จากข้อมูลดาวเทียม Landsat-8TIRS, band 10 บันทึกภาพเมื่อวันที่ 15 พฤศจิกายน 2568 เวลา 10:38:02 น.



ภาพที่ 5 อุณหภูมิพื้นผิวดิน (Land Surface Temperature) ข้อมูลจากดาวเทียม Landsat-8TIRS, band 10 บันทึกภาพเมื่อวันที่ 15 พฤศจิกายน 2568 ซ้อนทับกับภาพสีผสมธรรมชาติ ข้อมูลจากดาวเทียม Landsat-8 บันทึกภาพวันที่ 15 พฤศจิกายน 2568

จากภาพอุณหภูมิพื้นผิวดิน (Land Surface Temperature) บริเวณโครงการโรงไฟฟ้าบ้านเลนและพื้นที่ใกล้เคียงในภาพที่ 4–5 แสดงความแตกต่างของอุณหภูมิพื้นผิวดินที่ขึ้นอยู่กับการใช้ประโยชน์ที่ดินและสิ่งปกคลุมดินได้อย่างชัดเจน จากภาพจะเห็นได้ว่า

ในวันที่ 15 พฤศจิกายน 2568 บริเวณพื้นที่ศึกษาโครงการโรงไฟฟ้าบ้านเลนและพื้นที่ใกล้เคียง มีค่าอุณหภูมิพื้นผิวดินอยู่ระหว่าง 22.4 – 38.2 องศาเซลเซียส โดยพื้นที่เกษตรกรรม แหล่งน้ำ พื้นที่ชุ่มน้ำ และพื้นที่โรงงานบางแห่ง จะมีค่าอุณหภูมิพื้นผิวจากข้อมูลดาวเทียม อยู่ระหว่าง 22.4 – 28.6 องศาเซลเซียส

ส่วนบริเวณโรงงานอุตสาหกรรม แหล่งชุมชน หรือพื้นที่ที่มีพื้นผิวสิ่งปกคลุมเป็นคอนกรีต ไม้ สังกะสี และพื้นดินเปิดโล่ง จะมีค่าอุณหภูมิพื้นผิวดินสูงกว่าพื้นที่ข้างต้น คือมีค่าอยู่ที่ประมาณ 26.8 – 38.2 องศาเซลเซียส

โดยพื้นที่โครงการโรงไฟฟ้าบ้านเลน มีค่าอุณหภูมิอยู่ระหว่าง 29.3 – 32.6 องศาเซลเซียส

จากผลการศึกษาดังกล่าว เมื่อนำค่าอุณหภูมิพื้นผิวดินที่ได้จากการวิเคราะห์โดยข้อมูลจากดาวเทียม LANDSAT-8 TIRS, แบนด์ 10 เปรียบเทียบกับค่าอุณหภูมิของกรมอุตุนิยมวิทยา จากสถานีสุพรรณบุรี จ.สุพรรณบุรี ในช่วงเวลาใกล้เคียงกัน พบว่าค่าอุณหภูมิพื้นผิวดินที่ได้จากการวิเคราะห์โดยข้อมูลจากดาวเทียม สูงกว่าของกรมอุตุนิยมวิทยาประมาณ 0.4 องศาเซลเซส ดังตารางที่ 4

ตารางที่ 4 แสดงค่าอุณหภูมิ (องศาเซลเซียส) ของกรมอุตุนิยมวิทยาจากสถานีสุพรรณบุรี จังหวัดปทุมธานี

สถานี/จังหวัด	วัน/เดือน/ปี	ค่าอุณหภูมิ
สุพรรณบุรี/สุพรรณบุรี	12/11/2025 10:00 น.	32
สุพรรณบุรี/สุพรรณบุรี	13/11/2025 10:00 น.	26.5
สุพรรณบุรี/สุพรรณบุรี	14/11/2025 10:00 น.	29
สุพรรณบุรี/สุพรรณบุรี	15/11/2025 10:00 น.	27.5
สุพรรณบุรี/สุพรรณบุรี	16/11/2025 10:00 น.	28.5
สุพรรณบุรี/สุพรรณบุรี	17/11/2025 10:00 น.	26.9
สุพรรณบุรี/สุพรรณบุรี	18/11/2025 10:00 น.	27.5

หมายเหตุ : * อุณหภูมิตุ้มแห้ง : Dry-bulb temperature อุณหภูมิที่อ่านได้จากเทอร์โมมิเตอร์ตุ้มแห้งหรือเทอร์โมมิเตอร์ธรรมดา ซึ่งติดตั้งอยู่ในที่ที่ มีอากาศถ่ายเทตามธรรมชาติ และอยู่ในร่มเงาไม่ถูกรังสีจากดวงอาทิตย์โดยตรง

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