

ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์

ภาคผนวก ค-1

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report



TESTING
No.0009

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Prakhonsiayutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2517990

Date Received : Jun 30, 2025

Date Reported : Jul 08, 2025

Report Number: 3242988-1

Page 1 of 1

Sample Description	Air Quality				
Location	วัดหนองนาเกลือ (GPS 47P 683755, 1584181)				
Date Analysis Commenced	Jul 01, 2025				
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				

Sample Number	Sampled Date	Sampling Condition		Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)
		Pressure (mm Hg)	Temperature (°C)		
2517990-1	Jun 20 - Jun 21, 2025	754	34.0	0.016	0.012
2517990-2	Jun 21 - Jun 22, 2025	754	34.0	0.017	0.014
2517990-3	Jun 22 - Jun 23, 2025	754	32.0	0.030	0.021
2517990-4	Jun 23 - Jun 24, 2025	754	33.0	0.030	0.015
2517990-5	Jun 24 - Jun 25, 2025	754	33.0	0.035	0.021
2517990-6	Jun 25 - Jun 26, 2025	754	33.0	0.039	0.023
2517990-7	Jun 26 - Jun 27, 2025	754	34.0	0.036	0.020
Guideline	-	-	-	0.33	0.12

Reference Method

Total Suspended Particulate : 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)

Particulate Matter (PM-10) : 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)

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Autit Aoonsim



Analysis / Test Report



TESTING
No.0009

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Prakhonsiayutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2517990

Date Received : Jun 30, 2025

Date Reported : Jul 08, 2025

Report buQ (er: 335-01N)

Page 1 of 1

Sample Description	Air Quality				
Location	วัดหนองนาเกลือ (GPS 47P 683755, 1584181)				
Date Analysis Commenced	Jul 01, 2025				
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				

6aQple buQ (er)	6aQpled Date	6aQpling Condition		Total Suspended Particulate (mg/Q3)	Particulate Matter (PM10) (mg/Q3)
		Pressure (mm Hg)	Temperature (°C)		
251N990r6	Jun 20 - Jun 21, 2025	N54	34.0	0.018	0.013
251N990r8	Jun 21 - Jun 22, 2025	N54	34.0	0.024	0.01-
251N990r10	Jun 22 - Jun 23, 2025	N54	32.0	0.025	0.015
251N990r11	Jun 23 - Jun 24, 2025	N54	33.0	0.028	0.015
251N990r12	Jun 24 - Jun 25, 2025	N54	33.0	0.028	0.01N
251N990r13	Jun 25 - Jun 26, 2025	N54	33.0	0.028	0.021
251N990r14	Jun 26 - Jun 27, 2025	N54	34.0	0.031	0.020
Guideline	-	m	m	0.33	0.12

Reference Method

Total Suspended Particulate : 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))

Particulate Matter (PM10) : 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))

Guideline : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Autit Aoonsim

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 JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Prankhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2517990
Date Received : Jun 30, 2025
Date Reported : Jul 08, 2025
Report nub Qer: 335-018N

Page 1 of 1

Sample Description Air (uality)
Location โรงเรือนวัดตอนหน้า SGP7 46P - 86981, 1586129)
Date Analysis Commenced Jul 01, 2025
Condition of Sample Drawn into one glass filter paper SBx10 inch) placed in plastic Qag and one quartz filter paper SBx10 inch) placed in plastic Qag

7ab ple nub Qer	7ab pled Date	7ab pling Condition		Total 7uspended Particulate Sb g/b 3)	Particulate Matter SPMN0) Sb g/b 3)
		Pressure Sb b Hg)	Teb perature °C)		
2516990N5	Jun 20 N Jun 21, 2025	654	34.0	0.026	0.009
2516990N-	Jun 21 N Jun 22, 2025	654	34.0	0.020	0.010
2516990N6	Jun 22 N Jun 23, 2025	654	32.0	0.018	0.011
2516990N8	Jun 23 N Jun 24, 2025	654	33.0	0.022	0.011
2516990N9	Jun 24 N Jun 25, 2025	654	33.0	0.034	0.015
2516990N0	Jun 25 N Jun 2-, 2025	654	33.0	0.030	0.025
2516990N21	Jun 2- N Jun 26, 2025	654	34.0	0.025	0.015
Guideline		N	N	0.33	0.12

Reference Method

Total 7uspended Particulate : In Nhouse b ethod : 7TM 04M51 Qased on U.7. Environb ental Protection Agency 40 CFR, b ethod 50, Appendix B, revised as of July 1, 2008 Sinclude sab pling)
Particulate Metter SPMN0) : In Nhouse b ethod : 7TM 04M52 Qased on U.7. Environb ental Protection Agency 40 CFR, b ethod 50, Appendix J, revised as of July 1, 2008 Sinclude sab pling)

Guideline : motification of the national Environb ental Board. mo.24, 2004 SB.E.2546) dated 7epteb Qer 22, 2004
Sampled By : Autit Aoonsib



Analysis / Test Report



TESTING
No.0009

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Prankhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2517990
Date Received : Jun 30, 2025
Date Reported : Jul 08, 2025
Report nub Qer: 335-02-N

Page 1 of 1

Sample Description Air (uality)
Location สวนอุตสาหกรรมโรจนะ ระยะที่ 1M SGP7 46P - 6-951, 1583181)
Date Analysis Commenced Jul 01, 2025
Condition of Sample Drawn into one glass filter paper SBx10 inch) placed in plastic Qag and one quartz filter paper SBx10 inch) placed in plastic Qag

7ab ple nub Qer	7ab pled Date	7ab pling Condition		Total 7uspended Particulate Sb g/b 3)	Particulate Matter SPMN0) Sb g/b 3)
		Pressure Sb b Hg)	Teb perature °C)		
2516990N2	Jun 20 N Jun 21, 2025	654	34.0	0.034	0.014
2516990N3	Jun 21 N Jun 22, 2025	654	34.0	0.034	0.018
2516990N4	Jun 22 N Jun 23, 2025	654	32.0	0.039	0.018
2516990N5	Jun 23 N Jun 24, 2025	654	33.0	0.050	0.021
2516990N-	Jun 24 N Jun 25, 2025	654	33.0	0.038	0.022
2516990N6	Jun 25 N Jun 2-, 2025	654	33.0	0.050	0.023
2516990N8	Jun 2- N Jun 26, 2025	654	34.0	0.044	0.022
Guideline		N	N	0.33	0.12

Reference Method

Total 7uspended Particulate : In Nhouse b ethod : 7TM 04M51 Qased on U.7. Environb ental Protection Agency 40 CFR, b ethod 50, Appendix B, revised as of July 1, 2008 Sinclude sab pling)
Particulate Metter SPMN0) : In Nhouse b ethod : 7TM 04M52 Qased on U.7. Environb ental Protection Agency 40 CFR, b ethod 50, Appendix J, revised as of July 1, 2008 Sinclude sab pling)

Guideline : motification of the national Environb ental Board. mo.24, 2004 SB.E.2546) dated 7epteb Qer 22, 2004
Sampled By : Autit Aoonsib

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2517983
Date Received : Jun 30, 2025
Date Reported : Jul 04, 2025
Report Number: 3242962-1

Page 1 of 1

Sample Description	Air Quality						
Location	วัดหนองน้ำส้ม (GPS 47P 683755, 1584181)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Jun 20, 2025 - Jun 27, 2025						
Measurement by	Autit Aoonsim						
Time	2517983-1 Jun 20, 2025	2517983-2 Jun 21, 2025	2517983-3 Jun 22, 2025	2517983-4 Jun 23, 2025	2517983-5 Jun 24, 2025	2517983-6 Jun 25, 2025	2517983-7 Jun 26, 2025
11:00 AM - 12:00 PM	0.0042	0.0038	0.0029	0.0019	0.0010	0.0024	0.0027
12:00 PM - 01:00 PM	0.0027	0.0045	0.0025	0.0020	0.0011	0.0032	0.0037
01:00 PM - 02:00 PM	0.0027	0.0031	0.0010	0.0055	0.0009	0.0033	0.0081
02:00 PM - 03:00 PM	0.0035	0.0032	0.0012	0.0051	0.0014	0.0026	0.0111
03:00 PM - 04:00 PM	0.0029	0.0028	0.0034	0.0058	0.0019	0.0040	0.0056
04:00 PM - 05:00 PM	0.0037	0.0029	0.0082	0.0118	0.0027	0.0027	0.0101
05:00 PM - 06:00 PM	0.0041	0.0027	0.0066	0.0132	0.0043	0.0015	0.0019
06:00 PM - 07:00 PM	0.0064	0.0031	0.0041	0.0106	0.0049	0.0013	0.0014
07:00 PM - 08:00 PM	0.0101	0.0042	0.0057	0.0051	0.0040	0.0009	0.0016
08:00 PM - 09:00 PM	0.0055	0.0042	0.0027	0.0059	0.0040	0.0007	0.0022
09:00 PM - 10:00 PM	0.0047	0.0033	0.0008	0.0052	0.0030	0.0001	0.0028
10:00 PM - 11:00 PM	0.0062	0.0040	0.0014	0.0020	0.0017	0.0009	0.0013
11:00 PM - 12:00 AM	0.0053	0.0040	0.0019	0.0025	0.0022	0.0008	0.0012
12:00 AM - 01:00 AM	0.0038	0.0017	0.0038	0.0017	0.0024	0.0009	0.0014
01:00 AM - 02:00 AM	0.0041	0.0049	0.0012	0.0011	0.0018	0.0011	0.0016
02:00 AM - 03:00 AM	0.0051	0.0073	0.0004	0.0022	0.0018	0.0017	0.0019
03:00 AM - 04:00 AM	0.0066	0.0084	0.0044	0.0025	0.0020	0.0020	0.0020
04:00 AM - 05:00 AM	0.0072	0.0047	0.0021	0.0009	0.0020	0.0028	0.0021
05:00 AM - 06:00 AM	0.0041	0.0050	0.0020	0.0009	0.0019	0.0023	0.0021
06:00 AM - 07:00 AM	0.0028	0.0032	0.0012	0.0005	0.0020	0.0018	0.0018
07:00 AM - 08:00 AM	0.0032	0.0026	0.0014	0.0019	0.0020	0.0020	0.0017
08:00 AM - 09:00 AM	0.0027	0.0028	0.0016	0.0015	0.0021	0.0020	0.0015
09:00 AM - 10:00 AM	0.0025	0.0025	0.0016	0.0008	0.0020	0.0019	0.0013
10:00 AM - 11:00 AM	0.0029	0.0026	0.0016	0.0006	0.0021	0.0021	0.0014
Average	0.0045	0.0039	0.0026	0.0038	0.0023	0.0019	0.0030
1hr - Maximum	0.0101	0.0084	0.0082	0.0132	0.0049	0.0040	0.0111
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 Agency Method Part 50 App. F (Chemiluminescence)

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 JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2517983
Date Received : Jun 30, 2025
Date Reported : Jul 04, 2025
Report Number: 3353663-1

Page 1 of 1

Sample Description	Air Quality						
Location	โรงเรียนวัดนางส (GPS 47P 684438, 1587210)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Jun 20, 2025 - Jun 27, 2025						
Measurement by	Autit Aoonsim						
Time	2517983-8 Jun 20, 2025	2517983-9 Jun 21, 2025	2517983-10 Jun 22, 2025	2517983-11 Jun 23, 2025	2517983-12 Jun 24, 2025	2517983-13 Jun 25, 2025	2517983-14 Jun 26, 2025
10:00 AM - 11:00 AM	0.0068	0.0067	0.0062	0.0064	0.0087	0.0066	0.0064
11:00 AM - 12:00 PM	0.0017	0.0069	0.0049	0.0048	0.0062	0.0046	0.0053
12:00 PM - 01:00 PM	0.0034	0.0043	0.0045	0.0043	0.0040	0.0013	0.0050
01:00 PM - 02:00 PM	0.0040	0.0041	0.0037	0.0039	0.0044	0.0043	0.0048
02:00 PM - 03:00 PM	0.0036	0.0050	0.0039	0.0045	0.0040	0.0040	0.0069
03:00 PM - 04:00 PM	0.0038	0.0043	0.0043	0.0047	0.0036	0.0037	0.0070
04:00 PM - 05:00 PM	0.0045	0.0067	0.0046	0.0034	0.0040	0.0045	0.0064
05:00 PM - 06:00 PM	0.0046	0.0036	0.0039	0.0040	0.0046	0.0033	0.0079
06:00 PM - 07:00 PM	0.0062	0.0074	0.0055	0.0045	0.0043	0.0033	0.0078
07:00 PM - 08:00 PM	0.0090	0.0062	0.0109	0.0058	0.0042	0.0043	0.0047
08:00 PM - 09:00 PM	0.0177	0.0064	0.0039	0.0071	0.0046	0.0065	0.0047
09:00 PM - 10:00 PM	0.0157	0.0047	0.0035	0.0066	0.0051	0.0073	0.0054
10:00 PM - 11:00 PM	0.0069	0.0045	0.0036	0.0063	0.0051	0.0053	0.0042
11:00 PM - 12:00 AM	0.0059	0.0075	0.0042	0.0056	0.0046	0.0068	0.0042
12:00 AM - 01:00 AM	0.0056	0.0051	0.0041	0.0054	0.0045	0.0061	0.0044
01:00 AM - 02:00 AM	0.0055	0.0043	0.0041	0.0057	0.0041	0.0059	0.0050
02:00 AM - 03:00 AM	0.0051	0.0044	0.0040	0.0054	0.0040	0.0049	0.0056
03:00 AM - 04:00 AM	0.0052	0.0047	0.0040	0.0052	0.0039	0.0043	0.0043
04:00 AM - 05:00 AM	0.0053	0.0037	0.0046	0.0050	0.0040	0.0057	0.0045
05:00 AM - 06:00 AM	0.0055	0.0041	0.0058	0.0051	0.0058	0.0095	0.0069
06:00 AM - 07:00 AM	0.0081	0.0055	0.0105	0.0075	0.0116	0.0084	0.0098
07:00 AM - 08:00 AM	0.0105	0.0075	0.0111	0.0093	0.0127	0.0126	0.0116
08:00 AM - 09:00 AM	0.0080	0.0086	0.0091	0.0109	0.0073	0.0096	0.0119
09:00 AM - 10:00 AM	0.0090	0.0117	0.0099	0.0067	0.0081	0.0133	0.0116
Average	0.0067	0.0057	0.0056	0.0058	0.0056	0.0061	0.0065
1hr - Maximum	0.0177	0.0117	0.0111	0.0109	0.0127	0.0133	0.0119
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 Agency Method Part 50 App. F (Chemiluminescence)

of the laboratory.

Scientist (3)

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2517983
Date Received : Jun 30, 2025
Date Reported : Jul 04, 2025
Report Number: 3353664-1

Page 1 of 1

Sample Description	Air Quality						
Location	โรงเรียนวัดคณนพคุณ (GPS 47P 687981, 1587129)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Jun 20, 2025 - Jun 27, 2025						
Measurement by	Autit Aoonsim						
Time	2517983-15 Jun 20, 2025	2517983-16 Jun 21, 2025	2517983-17 Jun 22, 2025	2517983-18 Jun 23, 2025	2517983-19 Jun 24, 2025	2517983-20 Jun 25, 2025	2517983-21 Jun 26, 2025
09:00 AM - 10:00 AM	0.0136	0.0006	0.0010	0.0013	0.0013	0.0009	0.0009
10:00 AM - 11:00 AM	0.0009	0.0003	0.0002	0.0005	0.0006	0.0002	0.0002
11:00 AM - 12:00 PM	0.0012	0.0003	0.0002	0.0003	0.0003	<0.0001	0.0005
12:00 PM - 01:00 PM	0.0006	0.0002	0.0003	0.0002	0.0003	0.0001	0.0002
01:00 PM - 02:00 PM	0.0006	0.0001	0.0003	0.0002	<0.0001	0.0002	0.0002
02:00 PM - 03:00 PM	0.0002	<0.0001	0.0002	0.0004	<0.0001	0.0001	0.0008
03:00 PM - 04:00 PM	0.0006	0.0002	0.0001	0.0002	0.0002	0.0003	<0.0001
04:00 PM - 05:00 PM	0.0002	0.0002	0.0002	0.0003	0.0001	0.0002	<0.0001
05:00 PM - 06:00 PM	<0.0001	0.0003	0.0002	0.0002	0.0001	<0.0001	0.0002
06:00 PM - 07:00 PM	<0.0001	0.0002	<0.0001	0.0002	<0.0001	0.0002	<0.0001
07:00 PM - 08:00 PM	0.0002	0.0003	<0.0001	0.0002	0.0047	<0.0001	<0.0001
08:00 PM - 09:00 PM	0.0002	0.0002	0.0001	0.0002	0.0001	0.0001	<0.0001
09:00 PM - 10:00 PM	0.0002	0.0007	0.0002	0.0003	<0.0001	0.0002	0.0036
10:00 PM - 11:00 PM	0.0001	0.0016	0.0003	0.0002	0.0001	0.0001	<0.0001
11:00 PM - 12:00 AM	0.0001	0.0003	0.0002	0.0003	0.0002	<0.0001	<0.0001
12:00 AM - 01:00 AM	0.0003	0.0003	0.0005	0.0004	0.0001	0.0002	<0.0001
01:00 AM - 02:00 AM	0.0002	0.0003	0.0002	0.0001	0.0001	<0.0001	<0.0001
02:00 AM - 03:00 AM	0.0001	0.0002	0.0002	<0.0001	0.0002	0.0002	<0.0001
03:00 AM - 04:00 AM	0.0002	0.0001	0.0002	0.0002	0.0001	0.0001	0.0004
04:00 AM - 05:00 AM	0.0004	0.0003	0.0004	0.0002	0.0012	<0.0001	0.0010
05:00 AM - 06:00 AM	0.0008	0.0009	0.0034	0.0008	0.0032	0.0004	0.0014
06:00 AM - 07:00 AM	0.0027	0.0018	0.0034	0.0023	0.0049	0.0011	0.0037
07:00 AM - 08:00 AM	0.0021	0.0015	0.0020	0.0026	0.0015	0.0012	0.0035
08:00 AM - 09:00 AM	0.0014	0.0013	0.0015	0.0027	0.0019	0.0013	0.0013
Average	0.0011	0.0005	0.0006	0.0006	0.0009	0.0003	0.0007
1hr - Maximum	0.0136	0.0018	0.0034	0.0027	0.0049	0.0013	0.0037
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 Agency Method Part 50 App. F (Chemiluminescence)

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 JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2517983
Date Received : Jun 30, 2025
Date Reported : Jul 04, 2025
Report Number: 3353665-1

Page 1 of 1

Sample Description	Air Quality						
Location	สวนอุตสาหกรรมโรจนะ ระยะที่ 1-4 (GPS 47P 676951, 1583181)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Jun 20, 2025 - Jun 27, 2025						
Measurement by	Autit Aoonsim						
Time	2517983-22 Jun 20, 2025	2517983-23 Jun 21, 2025	2517983-24 Jun 22, 2025	2517983-25 Jun 23, 2025	2517983-26 Jun 24, 2025	2517983-27 Jun 25, 2025	2517983-28 Jun 26, 2025
12:00 PM - 01:00 PM	0.0046	0.0067	0.0090	0.0064	0.0202	0.0091	0.0072
01:00 PM - 02:00 PM	0.0042	0.0051	0.0096	0.0045	0.0197	0.0074	0.0058
02:00 PM - 03:00 PM	0.0065	0.0051	0.0085	0.0043	0.0128	0.0086	0.0043
03:00 PM - 04:00 PM	0.0045	0.0047	0.0055	0.0048	0.0121	0.0050	0.0034
04:00 PM - 05:00 PM	0.0045	0.0051	0.0049	0.0057	0.0144	0.0063	0.0037
05:00 PM - 06:00 PM	0.0044	0.0056	0.0048	0.0069	0.0099	0.0082	0.0041
06:00 PM - 07:00 PM	0.0049	0.0091	0.0064	0.0156	0.0064	0.0176	0.0106
07:00 PM - 08:00 PM	0.0098	0.0214	0.0123	0.0425	0.0304	0.0275	0.0247
08:00 PM - 09:00 PM	0.0081	0.0246	0.0145	0.0308	0.0274	0.0243	0.0382
09:00 PM - 10:00 PM	0.0100	0.0207	0.0136	0.0176	0.0109	0.0158	0.0274
10:00 PM - 11:00 PM	0.0295	0.0127	0.0081	0.0104	0.0089	0.0140	0.0132
11:00 PM - 12:00 AM	0.0282	0.0092	0.0069	0.0085	0.0066	0.0095	0.0087
12:00 AM - 01:00 AM	0.0244	0.0054	0.0059	0.0082	0.0048	0.0055	0.0081
01:00 AM - 02:00 AM	0.0082	0.0042	0.0049	0.0064	0.0045	0.0051	0.0063
02:00 AM - 03:00 AM	0.0046	0.0050	0.0047	0.0051	0.0069	0.0056	0.0068
03:00 AM - 04:00 AM	0.0045	0.0041	0.0045	0.0057	0.0067	0.0052	0.0080
04:00 AM - 05:00 AM	0.0082	0.0030	0.0038	0.0054	0.0039	0.0061	0.0065
05:00 AM - 06:00 AM	0.0106	0.0043	0.0042	0.0053	0.0044	0.0054	0.0086
06:00 AM - 07:00 AM	0.0171	0.0067	0.0123	0.0073	0.0058	0.0078	0.0129
07:00 AM - 08:00 AM	0.0150	0.0165	0.0097	0.0089	0.0045	0.0072	0.0137
08:00 AM - 09:00 AM	0.0184	0.0208	0.0125	0.0103	0.0085	0.0064	0.0099
09:00 AM - 10:00 AM	0.0196	0.0067	0.0158	0.0128	0.0073	0.0151	0.0151
10:00 AM - 11:00 AM	0.0158	0.0133	0.0051	0.0146	0.0115	0.0093	0.0122
11:00 AM - 12:00 PM	0.0076	0.0116	0.0049	0.0169	0.0085	0.0072	0.0025
Average	0.0117	0.0102	0.0076	0.0112	0.0109	0.0096	0.0109
1hr - Maximum	0.0295	0.0246	0.0145	0.0425	0.0304	0.0275	0.0382
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 Agency Method Part 50 App. F (Chemiluminescence)

Scientist (3)

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2517985
Date Received : Jun 30, 2025
Date Reported : Jul 04, 2025
Report Number: 3242971-1

Page 1 of 1

Sample Description	Air Quality						
Location	วัดหนองน้ำส้ม (GPS 47P 683755, 1584181)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	Jun 20, 2025 - Jun 27, 2025						
Measurement by	Autit Acoonsim						
Time	2517985-1 Jun 20, 2025	2517985-2 Jun 21, 2025	2517985-3 Jun 22, 2025	2517985-4 Jun 23, 2025	2517985-5 Jun 24, 2025	2517985-6 Jun 25, 2025	2517985-7 Jun 26, 2025
11:00 AM - 12:00 PM	0.0011	0.0009	0.0007	0.0010	0.0012	0.0008	0.0010
12:00 PM - 01:00 PM	0.0015	0.0009	0.0008	0.0010	0.0011	0.0008	0.0010
01:00 PM - 02:00 PM	0.0013	0.0009	0.0011	0.0010	0.0013	0.0006	0.0010
02:00 PM - 03:00 PM	0.0011	0.0011	0.0012	0.0012	0.0015	0.0011	0.0011
03:00 PM - 04:00 PM	0.0010	0.0011	0.0010	0.0011	0.0013	0.0010	0.0011
04:00 PM - 05:00 PM	0.0009	0.0011	0.0009	0.0010	0.0011	0.0010	0.0010
05:00 PM - 06:00 PM	0.0009	0.0008	0.0007	0.0009	0.0010	0.0010	0.0010
06:00 PM - 07:00 PM	0.0008	0.0010	0.0008	0.0008	0.0010	0.0010	0.0010
07:00 PM - 08:00 PM	0.0009	0.0008	0.0007	0.0009	0.0010	0.0009	0.0010
08:00 PM - 09:00 PM	0.0009	0.0008	0.0007	0.0009	0.0009	0.0009	0.0010
09:00 PM - 10:00 PM	0.0009	0.0009	0.0007	0.0010	0.0009	0.0009	0.0009
10:00 PM - 11:00 PM	0.0009	0.0008	0.0007	0.0009	0.0009	0.0008	0.0009
11:00 PM - 12:00 AM	0.0009	0.0008	0.0007	0.0009	0.0009	0.0008	0.0009
12:00 AM - 01:00 AM	0.0008	0.0008	0.0007	0.0009	0.0008	0.0008	0.0009
01:00 AM - 02:00 AM	0.0008	0.0007	0.0007	0.0009	0.0008	0.0007	0.0010
02:00 AM - 03:00 AM	0.0009	0.0007	0.0007	0.0009	0.0008	0.0008	0.0011
03:00 AM - 04:00 AM	0.0008	0.0007	0.0007	0.0008	0.0008	0.0008	0.0011
04:00 AM - 05:00 AM	0.0008	0.0008	0.0007	0.0009	0.0008	0.0008	0.0010
05:00 AM - 06:00 AM	0.0008	0.0007	0.0007	0.0008	0.0008	0.0008	0.0012
06:00 AM - 07:00 AM	0.0009	0.0007	0.0007	0.0009	0.0008	0.0008	0.0011
07:00 AM - 08:00 AM	0.0009	0.0008	0.0008	0.0009	0.0009	0.0008	0.0009
08:00 AM - 09:00 AM	0.0009	0.0008	0.0009	0.0010	0.0008	0.0009	0.0011
09:00 AM - 10:00 AM	0.0009	0.0007	0.0010	0.0011	0.0009	0.0009	0.0012
10:00 AM - 11:00 AM	0.0009	0.0008	0.0009	0.0013	0.0009	0.0009	0.0011
Average	0.0009	0.0008	0.0008	0.0010	0.0010	0.0009	0.0010
1hr - Maximum	0.0015	0.0011	0.0012	0.0013	0.0015	0.0011	0.0012
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

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 JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2517985
Date Received : Jun 30, 2025
Date Reported : Jul 04, 2025
Report Number: 3353770-1

Page 1 of 1

Sample Description	Air Quality						
Location	โรงเรียนวัดนางาญ (GPS 46P 784438, 1586210)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	Jun 20, 2025 - Jul 24, 2025						
Measurement by	Autit Acoonsim						
Time	2516985-8 Jun 20, 2025	2516985-9 Jun 21, 2025	2516985-10 Jun 22, 2025	2516985-11 Jul 23, 2025	2516985-12 Jun 24, 2025	2516985-13 Jun 25, 2025	2516985-14 Jun 27, 2025
10:00 AM - 11:00 AM	0.0008	0.0024	0.0021	0.0019	0.0019	0.0019	0.0016
11:00 AM - 12:00 PM	0.0023	0.0023	0.0022	0.0019	0.0018	0.0014	0.0016
12:00 PM - 01:00 PM	0.0024	0.0024	0.0021	0.0019	0.0018	0.0018	0.0015
01:00 PM - 02:00 PM	0.0030	0.0023	0.0021	0.0019	0.0018	0.0016	0.0016
02:00 PM - 03:00 PM	0.0029	0.0023	0.0021	0.0019	0.0018	0.0016	0.0016
03:00 PM - 04:00 PM	0.0029	0.0024	0.0022	0.0020	0.0019	0.0018	0.0017
04:00 PM - 05:00 PM	0.0030	0.0024	0.0021	0.0019	0.0016	0.0016	0.0016
05:00 PM - 07:00 PM	0.0030	0.0024	0.0021	0.0019	0.0018	0.0016	0.0016
07:00 PM - 06:00 PM	0.0029	0.0023	0.0022	0.0019	0.0018	0.0018	0.0016
06:00 PM - 08:00 PM	0.0028	0.0023	0.0021	0.0019	0.0019	0.0018	0.0017
08:00 PM - 09:00 PM	0.0028	0.0024	0.0021	0.0020	0.0018	0.0018	0.0016
09:00 PM - 10:00 PM	0.0029	0.0023	0.0021	0.0020	0.0020	0.0019	0.0018
10:00 PM - 11:00 PM	0.0029	0.0023	0.0021	0.0020	0.0018	0.0018	0.0018
11:00 PM - 12:00 AM	0.0026	0.0023	0.0022	0.0019	0.0019	0.0016	0.0016
12:00 AM - 01:00 AM	0.0027	0.0023	0.0021	0.0019	0.0019	0.0016	0.0016
01:00 AM - 02:00 AM	0.0027	0.0022	0.0020	0.0019	0.0019	0.0019	0.0016
02:00 AM - 03:00 AM	0.0027	0.0023	0.0020	0.0019	0.0019	0.0019	0.0016
03:00 AM - 04:00 AM	0.0027	0.0023	0.0020	0.0020	0.0019	0.0018	0.0018
04:00 AM - 05:00 AM	0.0026	0.0023	0.0020	0.0019	0.0020	0.0018	0.0016
05:00 AM - 07:00 AM	0.0027	0.0022	0.0020	0.0020	0.0019	0.0018	0.0019
07:00 AM - 06:00 AM	0.0027	0.0022	0.0021	0.0019	0.0019	0.0018	0.0016
06:00 AM - 08:00 AM	0.0025	0.0022	0.0020	0.0020	0.0019	0.0016	0.0017
08:00 AM - 09:00 AM	0.0027	0.0022	0.0020	0.0020	0.0018	0.0016	0.0018
09:00 AM - 10:00 AM	0.0025	0.0022	0.0020	0.0019	0.0019	0.0016	0.0017
Average	0.0027	0.0023	0.0021	0.0019	0.0019	0.0018	0.0016
1hr - Maximum	0.0030	0.0024	0.0022	0.0020	0.0020	0.0019	0.0019
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.2546).
Reference Method : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

of the laboratory.

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2517985

Date Received : Jun 30, 2025

Date Reported : Jul 04, 2025

Report Number: 3353771-1

Page 1 of 1

Sample Description	Air Quality						
Location	โรงเรียนวัดดอนพุดซา (GPS 46P 786981, 1586129)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	Jun 20, 2025 - Jul 25, 2025						
Measurement by	Autit Aconsim						
	2516985-15	2516985-17	2516985-16	2516985-18	2516985-19	2516985-20	2516985-21
Time	Jun 20, 2025	Jun 21, 2025	Jun 22, 2025	Jun 23, 2025	Jun 24, 2025	Jun 25, 2025	Jun 27, 2025
09:00 AM - 10:00 AM	0.0015	0.0009	0.0011	0.0011	0.0012	0.0011	0.0010
10:00 AM - 11:00 AM	0.0015	0.0009	0.0010	0.0011	0.0012	0.0010	0.0010
11:00 AM - 12:00 PM	0.0013	0.0010	0.0010	0.0010	0.0012	0.0011	0.0009
12:00 PM - 01:00 PM	0.0012	0.0010	0.0010	0.0010	0.0011	0.0010	0.0009
01:00 PM - 02:00 PM	0.0010	0.0010	0.0009	0.0010	0.0010	0.0010	0.0008
02:00 PM - 03:00 PM	0.0010	0.0010	0.0010	0.0009	0.0010	0.0010	0.0008
03:00 PM - 04:00 PM	0.0011	0.0010	0.0010	0.0010	0.0011	0.0010	0.0008
04:00 PM - 05:00 PM	0.0010	0.0010	0.0010	0.0010	0.0011	0.0010	0.0008
05:00 PM - 07:00 PM	0.0010	0.0010	0.0010	0.0010	0.0011	0.0011	0.0008
07:00 PM - 08:00 PM	0.0010	0.0010	0.0010	0.0010	0.0011	0.0011	0.0009
08:00 PM - 09:00 PM	0.0010	0.0009	0.0009	0.0010	0.0010	0.0010	0.0008
09:00 PM - 10:00 PM	0.0009	0.0009	0.0009	0.0010	0.0010	0.0010	0.0009
10:00 PM - 11:00 PM	0.0009	0.0010	0.0010	0.0010	0.0010	0.0010	0.0009
11:00 PM - 12:00 AM	0.0009	0.0009	0.0010	0.0010	0.0010	0.0010	0.0008
12:00 AM - 01:00 AM	0.0010	0.0011	0.0010	0.0010	0.0011	0.0011	0.0009
01:00 AM - 02:00 AM	0.0009	0.0009	0.0010	0.0010	0.0011	0.0011	0.0008
02:00 AM - 03:00 AM	0.0010	0.0010	0.0010	0.0011	0.0011	0.0011	0.0009
03:00 AM - 04:00 AM	0.0010	0.0010	0.0011	0.0011	0.0011	0.0010	0.0009
04:00 AM - 05:00 AM	0.0011	0.0011	0.0011	0.0011	0.0012	0.0011	0.0010
05:00 AM - 07:00 AM	0.0011	0.0012	0.0012	0.0012	0.0012	0.0012	0.0011
07:00 AM - 08:00 AM	0.0012	0.0012	0.0012	0.0012	0.0013	0.0013	0.0011
08:00 AM - 09:00 AM	0.0011	0.0012	0.0012	0.0011	0.0011	0.0010	0.0012
09:00 AM - 10:00 AM	0.0010	0.0012	0.0011	0.0012	0.0011	0.0010	0.0011
Average	0.0011	0.0010	0.0010	0.0010	0.0011	0.0011	0.0009
1hr - Maximum	0.0015	0.0012	0.0012	0.0012	0.0012	0.0013	0.0012
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.2546).

Reference Method : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

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 JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2517985

Date Received : Jun 30, 2025

Date Reported : Jul 04, 2025

Report Number: 3353772-1

Page 1 of 1

Sample Description	Air Quality						
Location	สวนอุตสาหกรรมโรจนะ ระยะที่ 1-4 (GPS 46P 767951, 1583181)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	Jun 20, 2025 - Jun 26, 2025						
Measurement by	Autit Aconsim						
	2516985-22	2516985-23	2516985-24	2516985-25	2516985-27	2516985-26	2516985-28
Time	Jun 20, 2025	Jun 21, 2025	Jun 22, 2025	Jun 23, 2025	Jun 24, 2025	Jun 25, 2025	Jun 27, 2025
12:00 PM - 01:00 PM	0.0018	0.0010	0.0010	0.0011	0.0011	0.0010	0.0010
01:00 PM - 02:00 PM	0.0016	0.0009	0.0010	0.0010	0.0011	0.0010	0.0010
02:00 PM - 03:00 PM	0.0018	0.0010	0.0010	0.0011	0.0011	0.0010	0.0010
03:00 PM - 04:00 PM	0.0006	0.0010	0.0010	0.0011	0.0011	0.0010	0.0010
04:00 PM - 05:00 PM	0.0010	0.0009	0.0010	0.0010	0.0011	0.0010	0.0010
05:00 PM - 07:00 PM	0.0010	0.0010	0.0010	0.0010	0.0011	0.0010	0.0011
07:00 PM - 08:00 PM	0.0010	0.0010	0.0010	0.0010	0.0011	0.0010	0.0011
08:00 PM - 09:00 PM	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
09:00 PM - 10:00 PM	0.0011	0.0011	0.0010	0.0011	0.0011	0.0011	0.0011
10:00 PM - 11:00 PM	0.0010	0.0011	0.0010	0.0011	0.0011	0.0011	0.0011
11:00 PM - 12:00 AM	0.0010	0.0010	0.0010	0.0011	0.0011	0.0011	0.0010
12:00 AM - 01:00 AM	0.0010	0.0010	0.0010	0.0011	0.0011	0.0011	0.0010
01:00 AM - 02:00 AM	0.0010	0.0010	0.0010	0.0011	0.0011	0.0010	0.0010
02:00 AM - 03:00 AM	0.0010	0.0010	0.0010	0.0011	0.0011	0.0010	0.0010
03:00 AM - 04:00 AM	0.0010	0.0010	0.0010	0.0011	0.0011	0.0010	0.0010
04:00 AM - 05:00 AM	0.0010	0.0010	0.0010	0.0011	0.0011	0.0011	0.0010
05:00 AM - 07:00 AM	0.0010	0.0010	0.0010	0.0011	0.0011	0.0010	0.0010
07:00 AM - 08:00 AM	0.0010	0.0010	0.0011	0.0011	0.0011	0.0011	0.0011
08:00 AM - 09:00 AM	0.0011	0.0011	0.0012	0.0011	0.0012	0.0012	0.0012
09:00 AM - 10:00 AM	0.0010	0.0010	0.0011	0.0011	0.0011	0.0011	0.0011
10:00 AM - 11:00 AM	0.0010	0.0010	0.0011	0.0011	0.0011	0.0011	0.0011
11:00 AM - 12:00 PM	0.0010	0.0010	0.0011	0.0011	0.0011	0.0011	0.0011
Average	0.0011	0.0010	0.0010	0.0011	0.0011	0.0011	0.0011
1hr - Maximum	0.0018	0.0011	0.0012	0.0012	0.0012	0.0012	0.0012
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.2546).

Reference Method : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

Scientist (3)

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyuthaya Thailand 13210

Lot ID: 2517991
Date Received :Jun 30, 2025
Date Reported :Jul 04, 2025
Report Number :3242993-1

P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Page 1 of 2

Sample Number : 2517991-1 to 7
Parameter : Wind Speed / Wind Direction
Location : รัศมีนาสุคนธ์ (GPS 47P 0683755, 1584181)
Sampling Date : Jun 20 - Jun 27, 2025
Sampling by : Autit Aoonsim

Time	Jun 20 - Jun 21, 2025			Jun 21 - Jun 22, 2025			Jun 22 - Jun 23, 2025			Jun 23 - Jun 24, 2025			Jun 24 - Jun 25, 2025			Jun 25 - Jun 26, 2025			Jun 26 - Jun 27, 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)	
11:00 AM - 12:00 PM	0.6	236.0	SW	1.1	152.0	SSE	0.5	312.0	NW	0.8	152.0	SSE	1.2	4.8	N	1.0	104.0	ESE	0.9	53.0	NE
12:00 PM - 01:00 PM	0.4	213.0	SSW	0.5	93.0	E	1.5	309.0	NW	1.1	177.0	S	0.8	4.0	N	2.1	116.0	ESE	0.5	354.0	N
01:00 PM - 02:00 PM	0.6	196.0	SSW	0.0	-	-	0.5	281.0	W	1.0	96.0	E	1.2	4.4	N	0.0	-	-	0.7	268.0	W
02:00 PM - 03:00 PM	1.7	169.0	S	1.9	118.0	ESE	0.5	0.0	N	1.5	117.0	ESE	1.3	4.1	N	0.6	104.0	ESE	1.5	211.0	SSW
03:00 PM - 04:00 PM	1.6	169.0	S	1.2	117.0	ESE	1.0	114.0	ESE	1.3	114.0	ESE	0.5	3.8	N	0.5	119.0	ESE	1.0	318.0	NW
04:00 PM - 05:00 PM	0.6	115.0	ESE	0.7	103.0	ESE	0.8	183.0	S	2.5	135.0	SE	0.3	132.0	SE	1.6	86.0	E	0.7	104.0	ESE
05:00 PM - 06:00 PM	0.4	142.0	SE	0.3	196.0	SSW	1.6	112.0	ESE	1.0	92.0	E	0.6	129.0	SE	1.8	143.0	SE	0.6	119.0	ESE
06:00 PM - 07:00 PM	0.0	-	-	0.3	169.0	S	2.2	120.0	ESE	2.2	168.0	SSE	0.6	108.0	ESE	1.2	105.0	ESE	0.4	86.0	E
07:00 PM - 08:00 PM	0.5	201.0	SSW	0.3	169.0	S	1.5	82.0	E	1.1	144.0	SE	1.8	110.0	ESE	0.3	79.0	E	0.6	143.0	SE
08:00 PM - 09:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	1.0	121.0	ESE	0.8	4.0	N	0.5	31.0	NNE	0.3	265.0	W
09:00 PM - 10:00 PM	0.7	124.0	SE	2.3	128.0	SE	0.0	-	-	0.8	99.0	E	2.2	4.0	N	1.0	117.0	ESE	1.3	271.0	W
10:00 PM - 11:00 PM	0.3	110.0	ESE	0.9	100.0	E	1.0	236.0	SW	0.6	99.0	E	1.1	337.0	NNW	0.0	-	-	0.5	187.0	S
11:00 PM - 12:00 AM	0.8	172.0	S	2.4	133.0	SE	2.1	208.0	SSW	0.7	129.0	SE	0.8	338.0	NNW	0.0	-	-	0.5	149.0	SSE
12:00 AM - 01:00 AM	0.0	-	-	2.1	112.0	ESE	0.6	151.0	SSE	1.0	108.0	ESE	0.7	59.0	ENE	0.5	98.0	E	1.2	316.0	NW
01:00 AM - 02:00 AM	0.7	240.0	WSW	1.3	124.0	SE	0.0	-	-	1.5	110.0	ESE	0.4	3.0	N	1.2	103.0	ESE	0.5	309.0	NW
02:00 AM - 03:00 AM	1.0	226.0	SW	0.0	-	-	0.0	-	-	2.3	4.0	N	0.5	132.0	SE	0.5	82.0	E	0.8	282.0	NNW
03:00 AM - 04:00 AM	0.5	196.0	SSW	0.7	118.0	ESE	0.5	98.0	E	0.7	4.0	N	0.5	144.0	SE	0.5	58.0	ENE	1.0	357.0	N
04:00 AM - 05:00 AM	0.4	169.0	S	0.0	-	-	1.0	0.0	N	1.3	3.4	N	0.6	121.0	ESE	1.2	58.0	ENE	0.5	337.0	NNW
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	0.4	114.0	ESE	1.3	3.4	N	0.0	-	-	0.5	58.0	ENE	0.9	338.0	NNW
06:00 AM - 07:00 AM	0.3	115.0	ESE	1.0	142.0	SE	0.6	183.0	S	1.2	2.7	N	0.0	-	-	0.0	-	-	0.5	59.0	ENE
07:00 AM - 08:00 AM	0.6	142.0	SE	0.5	126.0	SE	1.1	112.0	ESE	1.1	2.7	N	0.1	-	-	0.6	120.0	ESE	0.7	39.0	NE
08:00 AM - 09:00 AM	0.0	-	-	1.1	201.0	SSW	1.5	168.0	SSE	0.6	3.7	N	0.5	112.0	ESE	0.0	-	-	1.0	39.0	NE
09:00 AM - 10:00 AM	0.9	108.0	ESE	0.0	-	-	0.0	-	-	1.8	3.7	N	0.6	37.0	NE	1.6	105.0	ESE	0.4	38.0	NE
10:00 AM - 11:00 AM	1.0	195.0	SSW	0.0	-	-	0.0	-	-	1.5	4.9	N	1.7	94.0	E	2.1	86.0	E	0.4	65.0	ENE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyuthaya Thailand 13210

P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2517991
Date Received :Jun 30, 2025
Date Reported :Jul 04, 2025
Report Number :3242993-1

Page 2 of 2



Location : รัศมีนาสุคนธ์ (GPS 47P 0683755, 1584181)

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210

Lot ID: 2517991
Date Received :Jun 30, 2025
Date Reported :Jul 04, 2025
Report Number :3242993-1

P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Page 1 of 2

Sample Number : 2517991-8 to 14
Parameter : Wind Speed / Wind Direction
Location : โรงเหิมนวดนางฉี (GPS 47P 0684438, 1587210)
Sampling Date : Jun 20 - Jun 27, 2025
Sampling by : Autit Aoonsim

Time	Jun 20 - Jun 21, 2025			Jun 21 - Jun 22, 2025			Jun 22 - Jun 23, 2025			Jun 23 - Jun 24, 2025			Jun 24 - Jun 25, 2025			Jun 25 - Jun 26, 2025			Jun 26 - Jun 27, 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	0.7	359.0	N	2.6	190.0	S	2.5	251.0	WSW	1.3	271.0	W	1.3	293.0	WNW	1.4	273.0	W	2.5	223.0	SW
11:00 AM - 12:00 PM	3.7	317.0	NW	1.0	288.0	WNW	1.0	222.0	SW	1.7	204.0	SSW	2.2	191.0	S	4.0	297.0	WNW	4.6	238.0	WSW
12:00 PM - 01:00 PM	1.4	338.0	NNW	0.5	89.0	E	0.9	263.0	W	1.8	213.0	SSW	1.8	194.0	SSW	4.2	298.0	WNW	4.2	246.0	WSW
01:00 PM - 02:00 PM	2.7	299.0	WNW	2.8	166.0	SSE	1.1	193.0	SSW	4.2	178.0	S	1.7	194.0	SSW	1.4	191.0	S	0.9	104.0	ESE
02:00 PM - 03:00 PM	0.3	5.0	N	4.1	183.0	S	2.3	190.0	S	2.7	192.0	SSW	1.8	241.0	WSW	2.5	209.0	SSW	1.5	359.0	N
03:00 PM - 04:00 PM	2.5	335.0	NNW	1.1	174.0	S	1.7	291.0	WNW	3.6	182.0	S	1.5	170.0	S	1.2	151.0	SSE	3.0	294.0	WNW
04:00 PM - 05:00 PM	0.4	309.0	NW	0.8	280.0	W	0.8	182.0	S	3.0	205.0	SSW	2.8	165.0	SSE	1.5	266.0	W	3.1	244.0	WSW
05:00 PM - 06:00 PM	0.5	189.0	S	1.4	213.0	SSW	1.2	234.0	SW	2.0	142.0	SE	1.6	157.0	SSE	1.3	233.0	SW	1.9	193.0	SSW
06:00 PM - 07:00 PM	1.8	257.0	WSW	0.0	-	-	1.2	142.0	SE	0.9	204.0	SSW	1.6	126.0	SE	0.9	211.0	SSW	0.9	202.0	SSW
07:00 PM - 08:00 PM	2.5	298.0	WNW	0.6	142.0	SE	0.5	149.0	SSE	0.0	-	-	2.4	135.0	SE	1.8	4.0	N	2.4	343.0	NNW
08:00 PM - 09:00 PM	1.0	205.0	SSW	1.6	190.0	S	0.0	-	-	0.0	-	-	2.0	179.0	S	0.0	-	-	1.1	7.0	N
09:00 PM - 10:00 PM	2.4	244.0	WSW	0.9	150.0	SSE	1.3	255.0	WSW	0.5	152.0	SSE	0.2	-	-	0.0	-	-	2.2	30.0	NNE
10:00 PM - 11:00 PM	2.1	197.0	SSW	1.0	167.0	SSE	0.3	158.0	SSE	0.7	154.0	SSE	0.5	170.0	S	0.7	277.0	W	0.0	-	-
11:00 PM - 12:00 AM	1.4	226.0	SW	0.8	149.0	SSE	1.0	158.0	SSE	1.5	156.0	SSE	1.1	131.0	SE	0.0	-	-	0.4	58.0	ENE
12:00 AM - 01:00 AM	0.7	275.0	W	0.9	174.0	S	0.3	157.0	SSE	0.3	152.0	SSE	0.5	155.0	SSE	2.0	221.0	SW	0.0	-	-
01:00 AM - 02:00 AM	0.6	206.0	SSW	1.1	167.0	SSE	0.0	-	-	0.0	-	-	0.0	-	-	1.0	205.0	SSW	0.1	-	-
02:00 AM - 03:00 AM	0.6	179.0	S	0.0	-	-	1.0	161.0	SSE	0.1	-	-	0.1	-	-	1.6	247.0	WSW	0.5	171.0	S
03:00 AM - 04:00 AM	1.1	232.0	SW	0.0	-	-	0.0	-	-	1.0	159.0	SSE	0.3	106.0	ESE	0.8	193.0	SSW	0.0	-	-
04:00 AM - 05:00 AM	1.6	201.0	SSW	1.0	172.0	S	1.1	168.0	SSE	0.3	162.0	SSE	0.2	-	-	0.2	-	-	0.7	164.0	SSE
05:00 AM - 06:00 AM	2.9	159.0	SSE	1.4	175.0	S	2.1	156.0	SSE	1.6	131.0	SE	1.1	163.0	SSE	2.1	292.0	WNW	2.1	205.0	SSW
06:00 AM - 07:00 AM	1.8	128.0	SE	2.0	179.0	S	1.2	151.0	SSE	1.6	246.0	WSW	0.8	181.0	S	1.2	322.0	NW	2.5	249.0	WSW
07:00 AM - 08:00 AM	2.2	296.0	WNW	0.9	189.0	S	1.7	194.0	SSW	3.5	201.0	SSW	2.5	187.0	S	1.2	222.0	SW	1.8	224.0	SW
08:00 AM - 09:00 AM	5.1	226.0	SW	3.1	175.0	S	0.0	-	-	2.6	169.0	S	2.2	290.0	WNW	2.4	335.0	NNW	0.5	170.0	S
09:00 AM - 10:00 AM	1.4	223.0	SW	0.9	204.0	SSW	2.5	204.0	SSW	2.4	146.0	SE	2.6	186.0	S	2.6	289.0	WNW	1.1	131.0	SE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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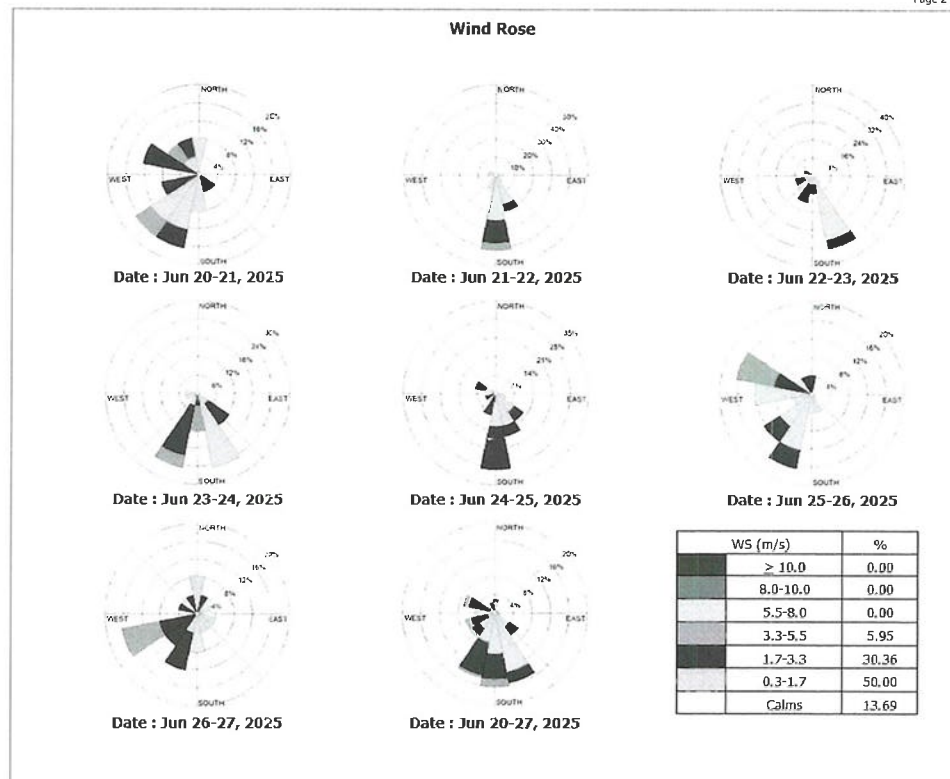
Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210

P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2517991
Date Received :Jun 30, 2025
Date Reported :Jul 04, 2025
Report Number :3242993-1

Page 2 of 2



Location : โรงเหิมนวดนางฉี (GPS 47P 0684438, 1587210)

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Date Reported :Jul 04, 2025
Report Number :3242993-1

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Page 1 of 2

Sample Number : 2517991-15 to 21
Parameter : Wind Speed / Wind Direction
Location : โรงเรียนวัดคลองพุทธา (GPS 47P 0687981, 1587129)
Sampling Date : Jun 20 - Jun 27, 2025
Sampling by : Autit Aoonsim

Time	Jun 20 - Jun 21, 2025		Jun 21 - Jun 22, 2025		Jun 22 - Jun 23, 2025		Jun 23 - Jun 24, 2025		Jun 24 - Jun 25, 2025		Jun 25 - Jun 26, 2025		Jun 26 - Jun 27, 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	0.4	326.0	NW	2.5	253.0	WSW	3.0	238.0	WSW	3.3	224.0	SW	2.1	237.0
10:00 AM - 11:00 AM	1.0	271.0	W	0.5	174.0	S	1.9	233.0	SW	1.0	246.0	WSW	0.2	-
11:00 AM - 12:00 PM	0.9	291.0	WNW	0.0	-	-	1.6	228.0	SW	2.1	184.0	S	2.4	101.0
12:00 PM - 01:00 PM	1.3	303.0	WNW	0.3	189.0	S	1.3	187.0	S	1.6	225.0	SW	1.9	111.0
01:00 PM - 02:00 PM	1.1	294.0	WNW	2.4	150.0	SSE	1.4	161.0	SSE	3.4	110.0	ESE	2.1	172.0
02:00 PM - 03:00 PM	1.0	199.0	SSW	2.8	90.0	E	2.4	118.0	ESE	1.2	128.0	SE	1.2	174.0
03:00 PM - 04:00 PM	0.0	-	-	2.0	115.0	ESE	2.0	149.0	SSE	2.0	247.0	WSW	3.1	245.0
04:00 PM - 05:00 PM	0.9	239.0	WSW	0.4	132.0	SE	1.3	202.0	SSW	3.7	206.0	SSW	2.8	150.0
05:00 PM - 06:00 PM	0.2	-	-	3.0	283.0	WNW	1.1	238.0	WSW	1.3	155.0	SSE	2.1	119.0
06:00 PM - 07:00 PM	1.4	265.0	W	0.0	-	-	2.1	87.0	E	1.2	132.0	SE	0.8	147.0
07:00 PM - 08:00 PM	1.8	227.0	SW	0.6	244.0	WSW	1.2	101.0	E	0.0	-	-	1.2	177.0
08:00 PM - 09:00 PM	1.6	237.0	WSW	0.0	-	-	0.3	103.0	ESE	0.5	100.0	E	1.1	146.0
09:00 PM - 10:00 PM	1.6	151.0	SSE	0.8	133.0	SE	0.5	231.0	SW	1.4	97.0	E	1.5	119.0
10:00 PM - 11:00 PM	1.0	237.0	WSW	0.9	137.0	SE	0.0	-	-	0.9	126.0	SE	0.3	125.0
11:00 PM - 12:00 AM	0.6	201.0	SSW	1.0	120.0	ESE	0.4	180.0	S	0.9	107.0	ESE	1.4	107.0
12:00 AM - 01:00 AM	0.8	175.0	S	0.6	143.0	SE	0.4	129.0	SE	0.5	118.0	ESE	0.6	110.0
01:00 AM - 02:00 AM	0.3	243.0	WSW	1.4	134.0	SE	0.0	-	-	0.4	119.0	ESE	0.0	-
02:00 AM - 03:00 AM	0.5	179.0	S	0.6	98.0	E	0.9	113.0	ESE	0.0	-	-	0.0	-
03:00 AM - 04:00 AM	0.3	185.0	S	0.0	-	-	0.4	143.0	SE	0.6	122.0	ESE	0.9	115.0
04:00 AM - 05:00 AM	1.7	204.0	SSW	0.0	-	-	0.0	-	-	1.1	146.0	SE	1.0	116.0
05:00 AM - 06:00 AM	1.0	177.0	S	1.3	132.0	SE	1.5	123.0	ESE	1.2	120.0	ESE	0.9	143.0
06:00 AM - 07:00 AM	1.5	236.0	SW	0.8	194.0	SSW	1.0	220.0	SW	1.1	182.0	S	1.2	228.0
07:00 AM - 08:00 AM	4.8	235.0	SW	2.0	99.0	E	0.8	130.0	SE	2.1	232.0	SW	0.9	229.0
08:00 AM - 09:00 AM	3.0	205.0	SSW	2.0	202.0	SSW	1.4	138.0	SE	1.0	170.0	S	1.5	296.0

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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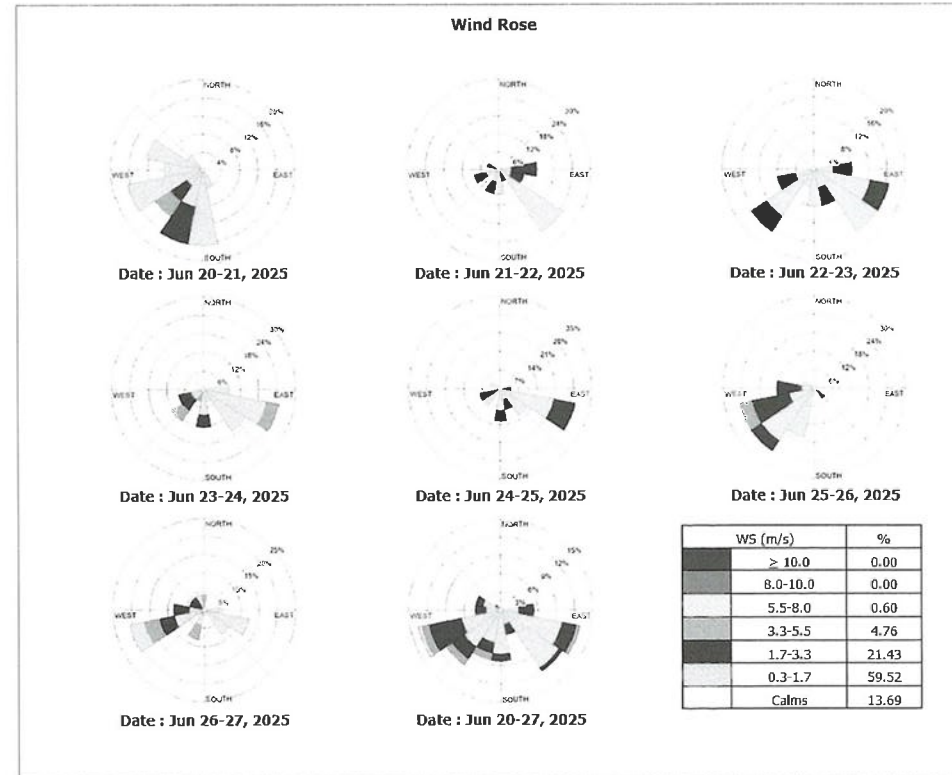
Lot ID: 2517991
Date Received :Jun 30, 2025
Date Reported :Jul 04, 2025
Report Number :3242993-1

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Page 2 of 2



Location : โรงเรียนวัดคลองพุทธา (GPS 47P 0687981, 1587129)

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Lot ID: 2517991
Date Received :Jun 30, 2025
Date Reported :Jul 04, 2025
Report Number :3242993-1

P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Page 1 of 2

Sample Number 2517991-22 to 28
Parameter Wind Speed / Wind Direction
Location สวนอุตสาหกรรมโรจนะ ระยะที่ 1-4 (GPS 47P 0676951, 1583181)
Sampling Date Jun 20 - Jun 27, 2025
Sampling by Autit Aoonsim

Time	Jun 20 - Jun 21, 2025		Jun 21 - Jun 22, 2025		Jun 22 - Jun 23, 2025		Jun 23 - Jun 24, 2025		Jun 24 - Jun 25, 2025		Jun 25 - Jun 26, 2025		Jun 26 - Jun 27, 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	0.0	-	-	0.5	312.0	NW	0.4	344.0	NNW	1.2	18.0	NNE	1.2	333.0	NNW	0.8	36.0	NE			
01:00 PM - 02:00 PM	1.2	63.0	ENE	0.2	-	-	0.7	209.0	SSW	0.4	342.0	NNW	0.6	245.0	WSW	0.9	284.0	WNW	1.2	330.0	NNW
02:00 PM - 03:00 PM	0.0	-	-	0.6	264.0	W	1.0	329.0	NNW	0.9	342.0	NNW	1.2	341.0	NNW	1.1	1.0	N	0.2	-	-
03:00 PM - 04:00 PM	0.3	204.0	SSW	0.6	357.0	N	0.6	50.0	NE	0.9	346.0	NNW	0.4	355.0	N	0.3	10.0	N	1.5	246.0	WSW
04:00 PM - 05:00 PM	0.9	277.0	W	1.7	226.0	SW	0.9	322.0	NW	1.9	350.0	N	1.1	354.0	N	1.1	326.0	NW	2.7	359.0	N
05:00 PM - 06:00 PM	0.6	316.0	NW	1.4	104.0	ESE	1.2	359.0	N	0.6	321.0	NW	0.7	323.0	NW	1.1	359.0	N	1.3	15.0	NNE
06:00 PM - 07:00 PM	0.7	348.0	NNW	1.8	91.0	E	1.4	265.0	W	0.5	285.0	WNW	0.9	282.0	WNW	0.6	346.0	NNW	0.9	300.0	WNW
07:00 PM - 08:00 PM	0.6	231.0	SW	2.2	135.0	SE	1.3	261.0	W	0.8	266.0	W	0.6	240.0	WSW	1.0	20.0	NNE	0.3	16.0	NNE
08:00 PM - 09:00 PM	0.0	-	-	0.5	94.0	E	0.9	271.0	W	1.3	268.0	W	1.0	284.0	WNW	0.6	293.0	WNW	0.8	313.0	NW
09:00 PM - 10:00 PM	0.7	329.0	NNW	0.0	-	-	0.8	324.0	NW	0.6	278.0	W	0.7	261.0	W	0.4	277.0	W	0.2	-	-
10:00 PM - 11:00 PM	0.8	354.0	N	0.2	-	-	1.1	250.0	WSW	0.3	257.0	WSW	0.4	285.0	WNW	0.5	274.0	W	1.1	240.0	WSW
11:00 PM - 12:00 AM	0.1	-	-	0.0	-	-	0.2	-	-	0.2	-	-	0.8	271.0	W	0.4	356.0	N	0.3	359.0	N
12:00 AM - 01:00 AM	0.4	1.0	N	0.0	-	-	0.2	-	-	0.5	248.0	WSW	0.5	244.0	WSW	0.2	-	-	0.9	152.0	SSE
01:00 AM - 02:00 AM	0.9	10.0	N	0.5	275.0	W	0.4	320.0	NW	0.4	76.0	ENE	0.6	252.0	WSW	0.3	356.0	N	0.5	162.0	SSE
02:00 AM - 03:00 AM	1.9	257.0	WSW	0.7	229.0	SW	1.5	256.0	WSW	0.0	-	-	0.4	248.0	WSW	0.3	340.0	NNW	1.2	146.0	SE
03:00 AM - 04:00 AM	0.6	297.0	WNW	0.9	234.0	SW	0.3	337.0	NNW	0.0	-	-	0.4	243.0	WSW	0.0	-	-	1.4	115.0	ESE
04:00 AM - 05:00 AM	0.3	172.0	S	0.6	236.0	SW	0.0	-	-	0.0	-	-	0.2	-	-	0.6	323.0	NW	0.5	135.0	SE
05:00 AM - 06:00 AM	1.1	256.0	WSW	0.5	282.0	WNW	0.4	270.0	W	0.0	-	-	0.3	275.0	W	0.2	-	-	0.7	127.0	SE
06:00 AM - 07:00 AM	0.3	346.0	NNW	0.2	-	-	0.5	321.0	NW	0.4	130.0	SE	0.0	-	-	0.4	249.0	WSW	0.0	-	-
07:00 AM - 08:00 AM	0.4	252.0	WSW	0.5	257.0	WSW	0.0	-	-	0.0	-	-	0.6	259.0	W	1.0	35.0	NE	0.0	-	-
08:00 AM - 09:00 AM	1.0	225.0	SW	0.4	275.0	W	0.5	244.0	WSW	0.7	274.0	W	0.0	-	-	0.8	242.0	WSW	0.5	248.0	WSW
09:00 AM - 10:00 AM	2.3	222.0	SW	1.1	268.0	W	1.3	333.0	NNW	2.3	247.0	WSW	0.8	0.0	N	0.5	299.0	WNW	0.4	254.0	WSW
10:00 AM - 11:00 AM	0.2	-	-	1.8	208.0	SSW	1.4	278.0	W	0.0	-	-	0.3	334.0	NNW	0.7	236.0	SW	0.6	348.0	NNW
11:00 AM - 12:00 PM	0.7	36.0	NE	0.5	232.0	SW	0.8	260.0	W	2.8	236.0	SW	1.5	359.0	N	1.6	22.0	NNE	1.3	278.0	W

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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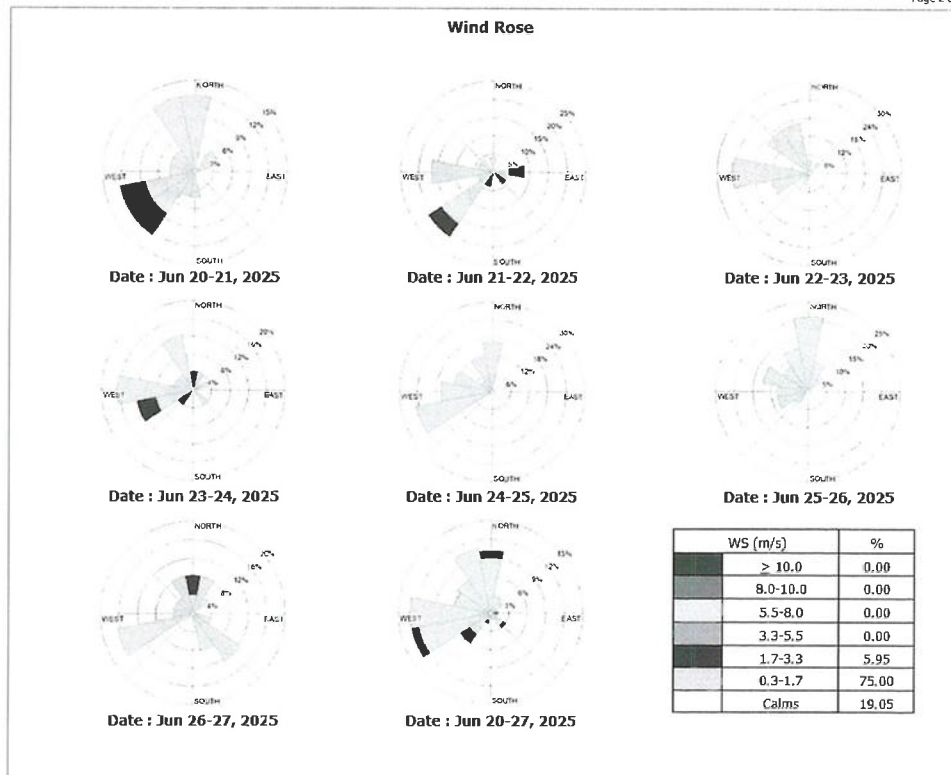
Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210

P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2517991
Date Received :Jun 30, 2025
Date Reported :Jul 04, 2025
Report Number :3242993-1

Page 2 of 2



Location : สวนอุตสาหกรรมโรจนะ ระยะที่ 1-4 (GPS 47P 0676951, 1583181)

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyuthaya Thailand 13210

Lot ID: 2517987
Date Received : Jun 30, 2025
Date Reported : Jul 04, 2025
Report Number : 3242977-1

P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Page 1 of 1

Sample Number : 2517987-1 to 7
Parameter : Temperature
Location : วัดหนองน้ำส้ม (GPS 47P 0683755, 1584181)
Sampling Date : Jun 20 - Jun 27, 2025
Sampling by : Autit Aoonsim

Time	Temperature (°C)						
	Jun 20 - Jun 21, 2025	Jun 21 - Jun 22, 2025	Jun 22 - Jun 23, 2025	Jun 23 - Jun 24, 2025	Jun 24 - Jun 25, 2025	Jun 25 - Jun 26, 2025	Jun 26 - Jun 27, 2025
11:00 AM - 12:00 PM	31.9	32.1	30.5	30.5	30.2	32.5	30.5
12:00 PM - 01:00 PM	32.5	33.0	30.2	30.2	30.5	32.4	30.4
01:00 PM - 02:00 PM	32.3	34.6	30.5	31.0	31.5	32.5	30.1
02:00 PM - 03:00 PM	32.2	34.9	31.5	31.5	32.9	31.5	31.6
03:00 PM - 04:00 PM	32.1	33.4	29.5	29.5	30.2	30.8	31.0
04:00 PM - 05:00 PM	31.3	32.5	29.0	28.8	30.0	30.5	30.0
05:00 PM - 06:00 PM	31.2	32.1	29.0	26.5	29.9	30.9	28.9
06:00 PM - 07:00 PM	31.2	31.5	28.0	24.2	29.5	29.9	27.6
07:00 PM - 08:00 PM	31.0	30.2	27.0	24.1	28.6	29.4	26.4
08:00 PM - 09:00 PM	30.0	29.5	27.0	24.0	27.6	29.0	25.9
09:00 PM - 10:00 PM	31.5	29.1	25.9	24.2	27.5	28.6	25.3
10:00 PM - 11:00 PM	29.5	29.2	24.6	24.2	27.1	28.0	25.4
11:00 PM - 12:00 AM	29.2	28.5	24.3	24.0	27.0	27.7	25.3
12:00 AM - 01:00 AM	28.6	27.2	24.3	23.8	27.0	27.8	25.6
01:00 AM - 02:00 AM	28.2	26.8	23.7	23.6	26.9	27.2	25.6
02:00 AM - 03:00 AM	28.1	26.5	23.3	23.8	26.8	27.1	25.6
03:00 AM - 04:00 AM	28.5	26.3	23.2	24.5	26.8	26.9	25.2
04:00 AM - 05:00 AM	28.0	26.6	22.7	24.3	26.7	26.6	25.2
05:00 AM - 06:00 AM	28.0	26.6	22.9	24.5	26.2	26.7	25.0
06:00 AM - 07:00 AM	27.0	26.3	24.4	24.3	26.1	26.8	24.9
07:00 AM - 08:00 AM	27.6	26.5	25.3	24.4	25.9	26.6	25.0
08:00 AM - 09:00 AM	27.5	25.0	25.0	25.1	27.9	27.9	26.5
09:00 AM - 10:00 AM	30.0	25.0	25.6	26.5	28.9	26.2	28.9
10:00 AM - 11:00 AM	30.5	25.1	26.0	27.8	30.0	25.0	29.0
Average - 24 hr	29.9	29.1	26.4	26.1	28.4	28.7	27.3
Max - 1 hr	32.5	34.9	31.5	31.5	32.9	32.5	31.6
Min - 1 hr	27.0	25.0	22.7	23.6	25.9	25.0	24.9

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyuthaya Thailand 13210

Lot ID: 2517987
Date Received : Jun 30, 2025
Date Reported : Jul 04, 2025
Report Number : 3242977-1

P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Page 1 of 1

Sample Number : 2517987-8 to 14
Parameter : Temperature
Location : โรงเรียนวัดนางสี (GPS 47P 0684438, 1587210)
Sampling Date : Jun 20 - Jun 27, 2025
Sampling by : Autit Aoonsim

Time	Temperature (°C)						
	Jun 20 - Jun 21, 2025	Jun 21 - Jun 22, 2025	Jun 22 - Jun 23, 2025	Jun 23 - Jun 24, 2025	Jun 24 - Jun 25, 2025	Jun 25 - Jun 26, 2025	Jun 26 - Jun 27, 2025
10:00 AM - 11:00 AM	31.5	30.7	30.1	30.6	30.5	29.5	30.1
11:00 AM - 12:00 PM	30.8	31.2	30.3	29.5	31.1	30.8	30.9
12:00 PM - 01:00 PM	30.9	30.4	30.0	30.6	30.2	30.7	31.3
01:00 PM - 02:00 PM	32.0	29.6	28.8	29.3	29.5	30.1	31.1
02:00 PM - 03:00 PM	31.4	26.0	28.5	28.6	31.2	30.4	30.5
03:00 PM - 04:00 PM	30.4	25.4	27.5	28.6	30.4	30.1	30.1
04:00 PM - 05:00 PM	29.5	26.0	27.2	26.6	28.2	29.0	29.2
05:00 PM - 06:00 PM	28.9	26.1	26.3	25.7	27.4	28.8	28.4
06:00 PM - 07:00 PM	28.1	26.2	25.9	25.3	26.8	28.3	27.9
07:00 PM - 08:00 PM	27.5	25.7	24.5	25.1	26.3	28.0	27.2
08:00 PM - 09:00 PM	26.9	25.6	24.4	24.8	26.2	27.2	26.5
09:00 PM - 10:00 PM	26.7	25.5	24.6	24.6	25.7	27.0	25.8
10:00 PM - 11:00 PM	26.3	25.4	25.0	24.5	25.6	27.1	25.2
11:00 PM - 12:00 AM	26.0	25.7	25.0	24.4	25.4	26.8	25.0
12:00 AM - 01:00 AM	26.0	25.6	24.4	24.3	25.2	26.6	24.8
01:00 AM - 02:00 AM	25.8	25.5	24.5	24.4	25.2	26.4	24.7
02:00 AM - 03:00 AM	25.7	24.9	24.5	24.5	25.1	26.3	24.7
03:00 AM - 04:00 AM	25.5	25.0	24.3	24.7	25.0	26.2	24.7
04:00 AM - 05:00 AM	25.4	25.4	24.3	24.7	25.1	26.1	24.8
05:00 AM - 06:00 AM	26.6	25.8	25.6	25.4	25.6	26.5	25.7
06:00 AM - 07:00 AM	27.5	26.4	26.9	26.8	27.1	27.4	26.5
07:00 AM - 08:00 AM	28.6	27.5	27.6	28.0	27.8	28.1	27.6
08:00 AM - 09:00 AM	29.5	28.4	29.1	28.7	29.1	28.6	29.1
09:00 AM - 10:00 AM	29.6	29.2	29.5	29.5	29.5	28.9	29.5
Average - 24 hr	28.2	26.8	26.6	26.6	27.5	28.1	27.6
Max - 1 hr	32.0	31.2	30.3	30.6	31.2	30.8	31.3
Min - 1 hr	25.4	24.9	24.3	24.3	25.0	26.1	24.7

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210

P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2517987
Date Received :Jun 30, 2025
Date Reported :Jul 04, 2025
Report Number :3242977-1

Page 1 of 1

Sample Number 2517987-15 to 21
Parameter Temperature
Location โรงเรียนวัดคลองขุดนา (GPS 47P 0687981, 1587129)
Sampling Date Jun 20 - Jun 27, 2025
Sampling by Autit Aconsim

Time	Temperature (°C)						
	Jun 20 - Jun 21, 2025	Jun 21 - Jun 22, 2025	Jun 22 - Jun 23, 2025	Jun 23 - Jun 24, 2025	Jun 24 - Jun 25, 2025	Jun 25 - Jun 26, 2025	Jun 26 - Jun 27, 2025
09:00 AM - 10:00 AM	30.6	29.5	29.3	29.7	29.4	29.2	28.6
10:00 AM - 11:00 AM	30.7	30.4	29.9	30.5	30.4	30.5	29.2
11:00 AM - 12:00 PM	32.5	31.2	29.6	29.7	30.9	29.5	29.1
12:00 PM - 01:00 PM	30.9	30.8	29.2	30.6	30.4	30.0	30.3
01:00 PM - 02:00 PM	32.6	29.4	28.7	29.5	29.5	30.8	30.7
02:00 PM - 03:00 PM	29.9	25.9	28.4	28.7	29.8	30.1	30.5
03:00 PM - 04:00 PM	29.8	24.6	26.5	27.7	30.0	29.5	29.5
04:00 PM - 05:00 PM	28.8	25.4	26.9	26.4	28.1	28.5	28.7
05:00 PM - 06:00 PM	28.3	25.8	26.2	25.5	27.1	28.1	27.3
06:00 PM - 07:00 PM	27.5	25.5	25.1	25.0	26.6	27.8	27.0
07:00 PM - 08:00 PM	26.9	25.5	23.9	24.6	26.2	27.2	26.9
08:00 PM - 09:00 PM	26.6	25.3	24.1	24.3	25.8	26.9	26.2
09:00 PM - 10:00 PM	26.3	25.3	24.3	24.3	25.5	26.7	25.5
10:00 PM - 11:00 PM	26.1	25.2	24.5	24.2	25.3	26.4	25.0
11:00 PM - 12:00 AM	25.6	25.5	24.5	24.2	25.2	26.2	24.8
12:00 AM - 01:00 AM	25.5	25.2	24.2	24.1	25.0	26.0	24.4
01:00 AM - 02:00 AM	25.6	24.9	24.2	24.3	25.0	26.1	24.3
02:00 AM - 03:00 AM	25.4	24.5	24.2	24.3	25.0	25.9	24.4
03:00 AM - 04:00 AM	25.1	24.9	24.0	24.4	24.7	25.8	24.5
04:00 AM - 05:00 AM	25.1	25.0	24.0	24.4	24.8	25.7	24.6
05:00 AM - 06:00 AM	26.0	25.6	25.6	25.1	25.6	26.0	25.3
06:00 AM - 07:00 AM	26.9	26.2	26.8	26.5	26.7	27.0	26.2
07:00 AM - 08:00 AM	28.2	27.5	27.3	28.1	27.8	27.6	27.2
08:00 AM - 09:00 AM	29.2	28.3	28.2	28.2	28.5	28.8	27.4
Average - 24 hr	27.9	26.6	26.2	26.4	27.2	27.8	27.0
Max - 1 hr	32.6	31.2	29.9	30.6	30.9	30.8	30.7
Min - 1 hr	25.1	24.5	23.9	24.1	24.7	25.7	24.3

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210

P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2517987
Date Received :Jun 30, 2025
Date Reported :Jul 04, 2025
Report Number :3242977-1

Page 1 of 1

Sample Number 2517987-22 to 28
Parameter Temperature
Location สวนอุตสาหกรรมโรจนะ ระยะที่ 1-4 (GPS 47P 0676951, 1583181)
Sampling Date Jun 20 - Jun 27, 2025
Sampling by Autit Aconsim

Time	Temperature (°C)						
	Jun 20 - Jun 21, 2025	Jun 21 - Jun 22, 2025	Jun 22 - Jun 23, 2025	Jun 23 - Jun 24, 2025	Jun 24 - Jun 25, 2025	Jun 25 - Jun 26, 2025	Jun 26 - Jun 27, 2025
12:00 PM - 01:00 PM	30.7	32.7	32.6	32.4	32.5	33.1	32.3
01:00 PM - 02:00 PM	30.7	34.0	33.9	33.1	35.3	34.5	32.6
02:00 PM - 03:00 PM	30.8	35.0	33.6	34.8	35.0	34.8	34.0
03:00 PM - 04:00 PM	30.9	35.8	34.6	35.8	35.1	34.4	34.7
04:00 PM - 05:00 PM	31.1	36.3	34.7	34.4	36.2	35.6	35.7
05:00 PM - 06:00 PM	35.5	34.0	33.9	35.0	34.6	36.4	36.1
06:00 PM - 07:00 PM	35.2	29.3	33.5	36.0	35.5	34.6	35.7
07:00 PM - 08:00 PM	34.0	28.9	29.7	32.1	34.8	34.1	33.9
08:00 PM - 09:00 PM	33.1	30.0	30.4	29.2	32.9	32.6	32.6
09:00 PM - 10:00 PM	32.4	28.1	28.1	28.4	31.5	32.0	31.6
10:00 PM - 11:00 PM	30.9	28.1	28.6	28.1	30.5	31.6	31.0
11:00 PM - 12:00 AM	30.0	28.6	28.6	27.9	30.0	31.0	30.4
12:00 AM - 01:00 AM	29.8	28.4	26.5	27.7	29.4	30.3	28.9
01:00 AM - 02:00 AM	29.4	28.1	26.8	27.6	29.1	30.0	28.2
02:00 AM - 03:00 AM	28.8	28.2	27.2	27.3	28.7	29.8	27.7
03:00 AM - 04:00 AM	28.4	28.3	27.3	26.7	28.4	29.3	27.2
04:00 AM - 05:00 AM	28.4	28.6	27.1	26.5	27.8	29.1	26.8
05:00 AM - 06:00 AM	28.2	28.3	26.8	26.7	27.8	29.1	26.7
06:00 AM - 07:00 AM	28.2	27.9	26.7	27.1	27.7	28.8	26.8
07:00 AM - 08:00 AM	27.8	27.8	26.5	26.7	27.8	28.6	27.1
08:00 AM - 09:00 AM	27.7	27.9	26.6	27.2	27.8	28.3	27.5
09:00 AM - 10:00 AM	29.4	28.4	28.1	28.9	28.9	29.7	28.3
10:00 AM - 11:00 AM	30.7	29.8	30.9	30.5	29.5	29.7	29.3
11:00 AM - 12:00 PM	31.6	31.3	32.5	32.3	32.0	30.5	30.5
Average - 24 hr	30.6	30.2	29.8	30.1	31.2	31.6	30.7
Max - 1 hr	35.5	36.3	34.7	36.0	36.2	36.4	36.1
Min - 1 hr	27.7	27.8	26.5	26.5	27.7	28.3	26.7

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ภาคผนวก ค-2

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2518009
Date Received : Apr 26, 2025
Date Reported : May 07, 2025
Report Number : 3243051-1

Page 1 of 1

Sample Number 2518009-1
Sample Description Emission from Stationary Source
Location HRSG 11
Sampled Date Apr 26, 2025

Stack Description									
Ambient Temperature	34	°C	Diameter	7.62	m	Oxygen	13.37	%	
Ambient Pressure	757.5	mmHg	Shape	Circle		Carbon dioxide	4.12	%	
Type of Process	Combustion		Stack Temperature	90	°C	Gas Velocity	15.86	m/s	
Type of Fuel	Natural Gas		Moisture	8.06	%	Flow Rate	1959772	Nm3/hr	

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Carbon Monoxide (ppm)		Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂
1	11:15 AM - 11:35 AM	13.36	4.12	0.42	0.77	18.41	33.92	0.07	0.14
2	11:36 AM - 11:56 AM	13.37	4.12	0.37	0.68	18.74	34.62	0.07	0.14
3	11:57 AM - 12:17 PM	13.39	4.11	0.36	0.67	18.77	34.74	0.07	0.12
Average (ppm)		13.37	4.12	0.38	0.71	18.64	34.42	0.07	0.13
Guideline ^{1/} (ppm)				-	-	-	70	-	10
Guideline ^{2/} (ppm)				-	-	-	120	-	20
Guideline ^{3/} (ppm)				-	690	-	-	-	-
Result (mg/Nm ³)				0.44	0.81	35.07	64.77	0.19	0.35
Emission Rate at Actual O ₂ (g/s)				0.239		19.092		0.102	
Guideline ^{4/} (g/s)				-		40.80		8.11	
Method				US EPA Method 10		US EPA Method 7E		US EPA Method 6C	

Sampled By : Worawich Tongpoom

Guideline : ^{1/}Environmental Impact Assessment Report of Gulf JP UT Co., Ltd.

^{2/}Notification of the Ministry of Industry on determining pollution contents in air emissions from power plants, 2024 (B.E. 2567)

^{3/}Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

Technical Management

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT



TESTING
No.0009

Lot ID: 2518014
Date Received : Apr 26, 2025
Date Reported : May 07, 2025
Report Number : 3243066-1

Page 1 of 2

Sample Number 2518014-1
Sampled Date Apr 26, 2025
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Apr 28, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description									
Ambient Pressure	758	mmHg	Diameter	7.62	m	Oxygen	13.4	%	
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.1	%	
Type of Process	Combustion		Stack Temperature	89.6	°C	Gas Velocity	15.8	m/s	
Type of Fuel	Natural Gas		Moisture	8.38	%	Flow Rate (Actual O2)	1949808	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result		Guideline (1)	Guideline (2)	Method	Testing Location
					at 7 % O ₂	at 13.4 % O ₂				
Air Testing										
Total Suspended Particulate	11:15 AM - 12:05 PM	mg/m3	-	0.5	0.7	0.38	60	20	U.S. Environmental Protection Agency 40 CFR method 5, Appendix A, 2020 (include sampling)	Bangkok

Guideline :

Guideline (1) Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547), dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP UT Co., Ltd.

Technical Management

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyayuthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2518014
Date Received : Apr 26, 2025
Date Reported : May 07, 2025
Report Number: 3243066-1

Page 2 of 2

Sample Number 2518014-1
Sampled Date Apr 26, 2025
Sample Description Emission from Stationary Source
Location HRSG 11
Date Analysis Commenced Apr 28, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish

Stack Description

Ambient Pressure	758	mmHg	Diameter	7.62	m	Oxygen	13.4	%
Ambient Temperature	34.0	°C	Shape	Circle		Carbon Dioxide	4.1	%
Type of Process	Combustion		Stack Temperature	89.6	°C	Gas Velocity	15.8	m/s
Type of Fuel	Natural Gas		Moisture	8.38	%	Flow Rate (Actual O2)	1949808	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	11:15 AM - 12:05 PM	g/s	-	-	0.20	-	5.71	Calculated	Bangkok

Guideline :

Guideline (1) Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547), dated December 4, 2006 (B.E. 2549) *Guideline for Carbon monoxide
Guideline (2) Environmental Impact Assessment Report of Gulf JP UT Co., Ltd.

Sampling By : AnechaTansamai ทะเบียนเลขที่ 7-204-จ-0112

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

ทะเบียนเลขที่ 7-204-จ-0027

ทะเบียนเลขที่ 7-204-จ-0004

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ภาคผนวก ค-3

การตรวจสอบความถูกต้องของระบบติดตามตรวจสอบคุณภาพอากาศจาก
ปล่องระบายอากาศแบบต่อเนื่อง ประจำปี พ.ศ. 2568
(CEMs RATA Audit)



Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakonsiayutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2517995
Date Received : Apr 26, 2025
Date Reported : Jun 25, 2025
Report Number : 3243013-1

Page 1 of 4

Sample Number : 2517995-1
Sampled Date : Apr 26, 2025
Sample Description : Emission from Stationary Source
Location : HRSO 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	26 Apr 25	11:15	11:35	19.27	18.41	35.51	33.92	-1.60
2	26 Apr 25	11:36	11:56	19.63	18.74	36.20	34.62	-1.59
3	26 Apr 25	11:57	12:17	19.66	18.77	36.31	34.74	-1.56
4	26 Apr 25	12:18	12:38	19.63	18.73	36.24	34.70	-1.54
5*	26 Apr 25	12:39	12:59	19.84	18.84	36.63	34.86	-1.77
6	26 Apr 25	13:00	13:20	19.75	18.75	36.45	34.72	-1.73
7	26 Apr 25	13:21	13:41	20.03	19.10	37.00	35.39	-1.60
8*	26 Apr 25	13:42	14:02	20.15	19.07	37.20	35.34	-1.86
9*	26 Apr 25	14:03	14:23	20.35	19.34	37.65	35.87	-1.78
10	26 Apr 25	14:24	14:44	20.51	19.56	38.03	36.30	-1.72
11	26 Apr 25	14:45	15:05	20.32	19.69	37.70	36.58	-1.12
12	26 Apr 25	15:06	15:26	20.46	19.65	37.93	36.53	-1.40
Average						36.82	35.28	-1.54
Confidence Coefficient (CC)								0.14
Relative Accuracy (Compared with RM) (%)								4.77
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

Manager

ทะเบียนเลขที่ 7-204-ก-0006

Assistant General Manager

ทะเบียนเลขที่ 7-204-ก-0003

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakonsiayutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2517995
Date Received : Apr 26, 2025
Date Reported : Jun 25, 2025
Report Number : 3243013-1

Page 2 of 4

Sample Number : 2517995-1
Sampled Date : Apr 26, 2025
Sample Description : Emission from Stationary Source
Location : HRSO 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*	26 Apr 25	11:15	11:35	0.00	0.07	0.00	0.14	0.14
2*	26 Apr 25	11:36	11:56	0.00	0.07	0.00	0.14	0.14
3	26 Apr 25	11:57	12:17	0.00	0.07	0.00	0.12	0.12
4	26 Apr 25	12:18	12:38	0.00	0.07	0.00	0.13	0.13
5	26 Apr 25	12:39	12:59	0.00	0.07	0.00	0.13	0.13
6	26 Apr 25	13:00	13:20	0.00	0.07	0.00	0.13	0.13
7	26 Apr 25	13:21	13:41	0.00	0.07	0.00	0.13	0.13
8*	26 Apr 25	13:42	14:02	0.00	0.07	0.00	0.13	0.13
9	26 Apr 25	14:03	14:23	0.00	0.07	0.00	0.13	0.13
10	26 Apr 25	14:24	14:44	0.00	0.06	0.00	0.12	0.12
11	26 Apr 25	14:45	15:05	0.00	0.06	0.00	0.12	0.12
12	26 Apr 25	15:06	15:26	0.00	0.06	0.00	0.12	0.12
Average						0.00	0.12	0.12
Confidence Coefficient (CC)								0.00
Relative Accuracy (Compared with Emission Standard : 10 ppm) (%)								1.27
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 10 ppm at 7%O2

RA Result is within Criteria

Technical Management

Manager

ทะเบียนเลขที่ 7-204-ก-0006

ทะเบียนเลขที่ 7-204-ก-0003

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2517995
Date Received : Apr 26, 2025
Date Reported : Jun 25, 2025
Report Number : 3243013-1

Page 3 of 4

Sample Number : 2517995-1
Sampled Date : Apr 26, 2025
Sample Description : Emission from Stationary Source
Location : HRSO 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*	26 Apr 25	11:15	11:35	0.00	0.42	0.00	0.77	0.77
2	26 Apr 25	11:36	11:56	0.00	0.37	0.00	0.68	0.68
3	26 Apr 25	11:57	12:17	0.00	0.36	0.00	0.67	0.67
4*	26 Apr 25	12:18	12:38	0.00	0.38	0.00	0.70	0.70
5	26 Apr 25	12:39	12:59	0.00	0.36	0.00	0.66	0.66
6	26 Apr 25	13:00	13:20	0.00	0.36	0.00	0.67	0.67
7	26 Apr 25	13:21	13:41	0.00	0.33	0.00	0.62	0.62
8*	26 Apr 25	13:42	14:02	0.00	0.37	0.00	0.69	0.69
9	26 Apr 25	14:03	14:23	0.00	0.32	0.00	0.59	0.59
10	26 Apr 25	14:24	14:44	0.00	0.27	0.00	0.50	0.50
11	26 Apr 25	14:45	15:05	0.00	0.27	0.00	0.50	0.50
12	26 Apr 25	15:06	15:26	0.00	0.35	0.00	0.65	0.65
Average						0.00	0.61	0.61
Confidence Coefficient (CC)								0.06
Relative Accuracy (Compared with Emission Standard : 690 ppm) (%)								0.10
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

Manager

ทะเบียนเลขที่ 7-204-ก-0006

Assistant General Manager

ทะเบียนเลขที่ 7-204-ก-0003

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2517995
Date Received : Apr 26, 2025
Date Reported : Jun 25, 2025
Report Number : 3243013-1

Page 4 of 4

Sample Number : 2517995-1
Sampled Date : Apr 26, 2025
Sample Description : Emission from Stationary Source
Location : HRSO 11
Parameter : O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1	26 Apr 25	11:15	11:35	13.36	13.36	0.00
2	26 Apr 25	11:36	11:56	13.36	13.37	0.01
3	26 Apr 25	11:57	12:17	13.37	13.39	0.02
4	26 Apr 25	12:18	12:38	13.37	13.39	0.02
5	26 Apr 25	12:39	12:59	13.37	13.39	0.02
6*	26 Apr 25	13:00	13:20	13.37	13.40	0.03
7*	26 Apr 25	13:21	13:41	13.37	13.40	0.03
8*	26 Apr 25	13:42	14:02	13.37	13.40	0.03
9	26 Apr 25	14:03	14:23	13.39	13.41	0.02
10	26 Apr 25	14:24	14:44	13.40	13.41	0.01
11	26 Apr 25	14:45	15:05	13.41	13.42	0.01
12	26 Apr 25	15:06	15:26	13.40	13.42	0.02
Average				13.38	13.40	0.01
Confidence Coefficient (CC)						-
Relative Accuracy (Compared in Actual) (%)						0.01
Relative Accuracy Criteria (%)						≤ 1%

Reference Method : US EPA Method 3A

Remark: * Sample with * is a rejected data

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

RA Result is within Criteria

Sampled By : Worawich Tongpoom

Technical Management

Manager

ทะเบียนเลขที่ 7-204-ก-0006

ทะเบียนเลขที่ 7-204-ก-0003

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2518002
Date Received : Apr 26, 2025
Date Reported : Jun 25, 2025
Report Number : 3293387-1

Page 1 of 2

Sample Number 2518002-1
Sampled Date Apr 26, 2025
Sample Description Emission from Stationary Source
Location HRSG 11
Parameter Flowrate

Relative Accuracy Test Audit Report

Run No.	Date	Time		Flowrate Data		Difference
		Start	Stop	CEMs (Nm3/Hr)	RM (Nm3/Hr)	
1*	26 Apr 25	11:15	11:35	1,700,046	1,966,918	266,872
2*	26 Apr 25	11:36	11:56	1,703,999	1,912,036	208,037
3	26 Apr 25	11:57	12:17	1,713,178	1,889,764	176,586
4*	26 Apr 25	12:18	12:38	1,697,092	1,891,064	193,972
5	26 Apr 25	12:39	12:59	1,707,327	1,796,334	89,007
6	26 Apr 25	13:00	13:20	1,704,239	1,804,824	100,585
7	26 Apr 25	13:21	13:41	1,699,737	1,829,869	130,132
8	26 Apr 25	13:42	14:02	1,706,106	1,773,227	67,121
9	26 Apr 25	14:03	14:23	1,703,625	1,678,669	-24,956
10	26 Apr 25	14:24	14:44	1,705,496	1,664,005	-41,491
11	26 Apr 25	14:45	15:05	1,695,143	1,697,663	2,520
12	26 Apr 25	15:06	15:26	1,712,911	1,646,501	-66,410
Average				1,705,307	1,753,428	48,121
Confidence Coefficient (CC)						64,644
Relative Accuracy ^{1/} (Compared with RM) (%)						6.43
Relative Accuracy Criteria (Compared with RM)						≤ 20 %

Reference Method : US EPA Method 2

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of Flowrate is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 6 (PS-6)

RA Result is within Criteria

Technical Management

Manager

ทะเบียนเลขที่ 7-204-ก-0006

Assistant General Manager

ทะเบียนเลขที่ 7-204-ก-0003

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2518002
Date Received : Apr 26, 2025
Date Reported : Jun 25, 2025
Report Number : 3293387-1

Page 2 of 2

Sample Number 2518002-1
Sampled Date Apr 26, 2025
Sample Description Emission from Stationary Source
Location HRSG 11
Parameter Stack Temperature

Relative Accuracy Test Audit Report

Run No.	Date	Time		Temperature Data		Difference
		Start	Stop	CEMs (°C)	RM (°C)	
1*	26 Apr 25	11:15	11:35	93.5	89.8	-3.7
2*	26 Apr 25	11:36	11:56	93.5	90.0	-3.5
3*	26 Apr 25	11:57	12:17	93.2	90.7	-2.5
4	26 Apr 25	12:18	12:38	93.4	91.3	-2.1
5	26 Apr 25	12:39	12:59	93.3	91.4	-1.9
6	26 Apr 25	13:00	13:20	92.7	91.6	-1.1
7	26 Apr 25	13:21	13:41	92.4	91.5	-0.9
8	26 Apr 25	13:42	14:02	92.2	91.2	-1.0
9	26 Apr 25	14:03	14:23	92.3	91.8	-0.5
10	26 Apr 25	14:24	14:44	92.0	91.6	-0.4
11	26 Apr 25	14:45	15:05	91.8	91.6	-0.2
12	26 Apr 25	15:06	15:26	92.0	91.5	-0.5
Average				92.4	91.5	-0.9
Confidence Coefficient (CC)						0.5
Relative Accuracy ^{1/} (Compared with RM) (%)						1.6
Relative Accuracy Criteria (Compared with RM)						≤ 20 %

Reference Method : US EPA Method 2

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of Stack Temperature is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 6 (PS-6)

RA Result is within Criteria

Sampled By : Anecha Tansamai

Technical Management

ทะเบียนเลขที่ 7-204-ก-0006

ทะเบียนเลขที่ 7-204-ก-0003

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S:\Reports\Stack_CEMS1.rpt

ภาคผนวก ค-4

ระดับเสียงทั่วไป



Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2511866

Date Received : Jun 26, 2025

Date Reported : Jul 04, 2025

Report Number: 3353062-1

Page 1 of 1

Sample Number 2511866-1
Parameter Noise (Leq 24 hrs.)
Location บริเวณรั้วโครงการทางด้านทิศใต้ (GPS 47P 682744, 1584543)
Measurement Date Jun 20 - Jun 21, 2025
Measurement by Autit Aoonsim
Sound Level meter Serial No. 296511

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	45.7	70.7	40.4
01:00 PM - 02:00 PM	46.8	60.5	42.1
02:00 PM - 03:00 PM	47.0	60.5	43.3
03:00 PM - 04:00 PM	46.0	70.6	42.9
04:00 PM - 05:00 PM	46.1	62.9	42.8
05:00 PM - 06:00 PM	46.9	64.7	43.5
06:00 PM - 07:00 PM	46.7	69.2	44.6
07:00 PM - 08:00 PM	47.4	72.4	45.0
08:00 PM - 09:00 PM	51.3	69.1	46.9
09:00 PM - 10:00 PM	53.6	68.8	46.6
10:00 PM - 11:00 PM	53.0	70.9	46.5
11:00 PM - 12:00 AM	51.1	69.0	46.1
12:00 AM - 01:00 AM	46.2	58.8	43.9
01:00 AM - 02:00 AM	45.7	61.1	43.6
02:00 AM - 03:00 AM	45.7	52.5	43.8
03:00 AM - 04:00 AM	45.3	55.7	43.6
04:00 AM - 05:00 AM	44.7	59.7	43.0
05:00 AM - 06:00 AM	46.2	66.1	43.5
06:00 AM - 07:00 AM	46.2	69.8	43.4
07:00 AM - 08:00 AM	45.0	64.8	42.0
08:00 AM - 09:00 AM	47.1	63.3	43.7
09:00 AM - 10:00 AM	47.7	64.0	43.7
10:00 AM - 11:00 AM	46.9	68.6	43.8
11:00 AM - 12:00 PM	45.7	69.6	36.7
Leq Average 24 hrs. (dB(A))	48.1		
Lmax (dB(A))		72.4	
L90 (dB(A))			43.6
Ldn (dB(A))	54.6		
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 Rakyong
Scientist (3)

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2511866

Date Received : Jun 26, 2025

Date Reported : Jul 04, 2025

Report Number: 3353063-1

Page 1 of 1

Sample Number 2511866-2
Parameter Noise (Leq 24 hrs.)
Location บริเวณรั้วโครงการทางด้านทิศใต้ (GPS 47P 682744, 1584543)
Measurement Date Jun 21 - Jun 22, 2025
Measurement by Autit Aoonsim
Sound Level meter Serial No. 296511

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	39.7	61.5	34.4
01:00 PM - 02:00 PM	41.5	56.0	35.2
02:00 PM - 03:00 PM	41.1	69.9	35.5
03:00 PM - 04:00 PM	45.1	72.4	36.6
04:00 PM - 05:00 PM	49.4	74.3	41.8
05:00 PM - 06:00 PM	44.6	57.7	42.1
06:00 PM - 07:00 PM	47.8	68.1	45.2
07:00 PM - 08:00 PM	47.3	58.6	45.3
08:00 PM - 09:00 PM	46.1	56.2	43.5
09:00 PM - 10:00 PM	43.0	56.0	41.4
10:00 PM - 11:00 PM	42.5	57.2	40.1
11:00 PM - 12:00 AM	41.0	54.8	38.8
12:00 AM - 01:00 AM	41.3	58.1	38.9
01:00 AM - 02:00 AM	41.2	58.0	39.4
02:00 AM - 03:00 AM	40.6	54.2	38.4
03:00 AM - 04:00 AM	41.2	58.1	39.4
04:00 AM - 05:00 AM	41.5	64.8	40.0
05:00 AM - 06:00 AM	45.1	59.9	41.4
06:00 AM - 07:00 AM	42.9	64.0	38.7
07:00 AM - 08:00 AM	42.9	68.7	37.4
08:00 AM - 09:00 AM	41.9	64.1	36.5
09:00 AM - 10:00 AM	43.9	69.1	37.6
10:00 AM - 11:00 AM	46.5	70.0	41.2
11:00 AM - 12:00 PM	43.3	64.2	39.4
Leq Average 24 hrs. (dB(A))	44.2		
Lmax (dB(A))		74.3	
L90 (dB(A))			39.4
Ldn (dB(A))	49.1		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2511866

Date Received : Jun 26, 2025

Date Reported : Jul 04, 2025

Report Number: 3353064-1

Page 1 of 1

Sample Number 2511866-3
Parameter Noise (Leq 24 hrs.)
Location บริเวณรั้วโครงการทางด้านทิศใต้ (GPS 47P 682744, 1584543)
Measurement Date Jun 22 - Jun 23, 2025
Measurement by Autit Aoonsim
Sound Level meter Serial No. 296511

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	43.8	66.7	38.9
01:00 PM - 02:00 PM	44.5	62.5	39.9
02:00 PM - 03:00 PM	45.5	78.4	38.5
03:00 PM - 04:00 PM	45.1	77.7	35.8
04:00 PM - 05:00 PM	45.2	66.8	37.0
05:00 PM - 06:00 PM	44.8	70.6	39.1
06:00 PM - 07:00 PM	47.1	68.0	42.7
07:00 PM - 08:00 PM	46.0	68.7	42.9
08:00 PM - 09:00 PM	44.0	60.9	42.4
09:00 PM - 10:00 PM	47.0	62.6	42.7
10:00 PM - 11:00 PM	44.2	63.3	40.9
11:00 PM - 12:00 AM	47.4	57.2	45.5
12:00 AM - 01:00 AM	46.0	55.1	42.5
01:00 AM - 02:00 AM	43.6	56.1	40.0
02:00 AM - 03:00 AM	40.8	49.8	39.8
03:00 AM - 04:00 AM	41.7	57.3	40.5
04:00 AM - 05:00 AM	42.8	54.6	41.3
05:00 AM - 06:00 AM	48.2	76.2	42.8
06:00 AM - 07:00 AM	44.3	70.4	40.4
07:00 AM - 08:00 AM	43.0	64.5	37.5
08:00 AM - 09:00 AM	41.3	61.5	37.0
09:00 AM - 10:00 AM	43.0	60.6	37.4
10:00 AM - 11:00 AM	45.6	64.5	40.7
11:00 AM - 12:00 PM	43.8	72.1	35.6

Leq Average 24 hrs. (dB(A))

44.9

Lmax (dB(A))

78.4

L90 (dB(A))

40.0

Ldn (dB(A))

51.4

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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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2511866

Date Received : Jun 26, 2025

Date Reported : Jul 04, 2025

Report Number: 3353065-1

Page 1 of 1

Sample Number 2511866-4
Parameter Noise (Leq 24 hrs.)
Location บริเวณรั้วโครงการทางด้านทิศใต้ (GPS 47P 682744, 1584543)
Measurement Date Jun 23 - Jun 24, 2025
Measurement by Autit Aoonsim
Sound Level meter Serial No. 296511

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	41.2	62.1	35.9
01:00 PM - 02:00 PM	44.5	69.5	39.8
02:00 PM - 03:00 PM	44.0	64.6	36.2
03:00 PM - 04:00 PM	41.3	58.3	37.2
04:00 PM - 05:00 PM	43.5	68.3	36.4
05:00 PM - 06:00 PM	44.6	68.3	40.7
06:00 PM - 07:00 PM	43.7	67.8	40.7
07:00 PM - 08:00 PM	43.2	57.5	41.8
08:00 PM - 09:00 PM	44.4	56.9	41.8
09:00 PM - 10:00 PM	46.4	54.7	42.1
10:00 PM - 11:00 PM	56.5	63.0	41.4
11:00 PM - 12:00 AM	46.5	57.3	41.4
12:00 AM - 01:00 AM	48.4	55.0	41.2
01:00 AM - 02:00 AM	47.3	55.6	41.3
02:00 AM - 03:00 AM	47.7	53.8	42.9
03:00 AM - 04:00 AM	48.1	53.5	42.9
04:00 AM - 05:00 AM	53.9	80.9	45.1
05:00 AM - 06:00 AM	49.8	66.2	44.2
06:00 AM - 07:00 AM	44.7	68.0	40.8
07:00 AM - 08:00 AM	43.0	67.4	39.1
08:00 AM - 09:00 AM	43.4	67.0	39.1
09:00 AM - 10:00 AM	49.3	73.1	38.3
10:00 AM - 11:00 AM	41.0	60.2	36.5
11:00 AM - 12:00 PM	44.1	77.1	37.5

Leq Average 24 hrs. (dB(A))

48.0

Lmax (dB(A))

80.9

L90 (dB(A))

40.7

Ldn (dB(A))

56.8

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2511866

Date Received : Jun 26, 2025

Date Reported : Jul 04, 2025

Report Number: 3353066-1

Page 1 of 1

Sample Number 2511866-5
Parameter Noise (Leq 24 hrs.)
Location บริเวณริมรั้วโครงการทางด้านทิศใต้ (GPS 47P 682744, 1584543)
Measurement Date Jun 24 - Jun 25, 2025
Measurement by Autit Aoonsim
Sound Level meter Serial No. 296511

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	43.2	62.5	37.8
01:00 PM - 02:00 PM	46.2	75.9	37.6
02:00 PM - 03:00 PM	40.6	65.2	34.2
03:00 PM - 04:00 PM	42.5	62.5	37.9
04:00 PM - 05:00 PM	44.4	63.0	40.1
05:00 PM - 06:00 PM	42.3	60.6	37.0
06:00 PM - 07:00 PM	42.1	66.7	37.9
07:00 PM - 08:00 PM	44.3	60.2	39.7
08:00 PM - 09:00 PM	48.7	57.9	44.2
09:00 PM - 10:00 PM	48.6	54.0	42.4
10:00 PM - 11:00 PM	46.9	51.5	41.2
11:00 PM - 12:00 AM	41.8	51.2	38.8
12:00 AM - 01:00 AM	41.2	58.1	39.0
01:00 AM - 02:00 AM	39.6	49.6	38.6
02:00 AM - 03:00 AM	41.1	52.2	39.0
03:00 AM - 04:00 AM	42.6	53.8	40.7
04:00 AM - 05:00 AM	42.6	52.2	41.3
05:00 AM - 06:00 AM	45.4	67.6	41.2
06:00 AM - 07:00 AM	47.3	86.1	40.4
07:00 AM - 08:00 AM	45.6	65.8	40.5
08:00 AM - 09:00 AM	43.9	62.8	39.6
09:00 AM - 10:00 AM	45.3	64.7	40.7
10:00 AM - 11:00 AM	44.0	61.7	40.6
11:00 AM - 12:00 PM	42.7	68.1	38.1

Leq Average 24 hrs. (dB(A)) 44.6
Lmax (dB(A)) 86.1
L90 (dB(A)) 39.6
Ldn (dB(A)) 50.5
Standard (dB(A)) 70

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

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S:\Reports\Air Noise rpt (4:02PM)



Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2511866

Date Received : Jun 26, 2025

Date Reported : Jul 04, 2025

Report nub 8er: 335306-N

Page 1 of 1

Sample Number 2511(66)6
Parameter noise (Leq) 24 hrs.S
Location วัดบนถนนด้าน GPS7 4-P 6(3-30, 15(41315)
Measurement Date Jun 20 NJun 21, 2025
Measurement by Autit Aoonsib
Sound Level meter 7erial no. (5(521

Tib e	Le) qdBqASS	Lb ax qdBqASS	L90 qdBqASS
01:00 PM N02:00 PM	49.5	66.(	42.-
02:00 PM N03:00 PM	51.3	6(-	43.(
03:00 PM N04:00 PM	49.4	69.1	42.-
04:00 PM N05:00 PM	51.3	-4.1	42.9
05:00 PM N06:00 PM	52.3	6-.2	45.5
06:00 PM N0-:00 PM	52.(	-1.1	46.(
0-:00 PM N0(-:00 PM	52.9	66.1	42.5
0(-:00 PM N09:00 PM	4-.-	63.6	44.0
09:00 PM N10:00 PM	46.9	5(.6	45.3
10:00 PM N11:00 PM	45.-	60.4	44.3
11:00 PM N12:00 AM	46.9	59.(	44.(
12:00 AM N01:00 AM	46.3	55.3	45.3
01:00 AM N02:00 AM	45.(	53.6	44.-
02:00 AM N03:00 AM	43.1	61.0	41.9
03:00 AM N04:00 AM	42.4	53.(	41.6
04:00 AM N05:00 AM	45.6	-0.0	40.-
05:00 AM N06:00 AM	49.1	-0.-	40.-
06:00 AM N0-:00 AM	54.4	-6.1	45.(
0-:00 AM N0(-:00 AM	51.3	-3.6	44.-
0(-:00 AM N09:00 AM	51.4	-2.(	44.-
09:00 AM N10:00 AM	49.6	-4.-	44.4
10:00 AM N11:00 AM	49.2	66.(	43.(
11:00 AM N12:00 PM	51.6	-1.2	43.9
12:00 PM N01:00 PM	4(.4	6(.3	41.6

Le) Average 24 hrs. qdBqASS 49.9
Lb ax qdBqASS -6.1
L90 qdBqASS 43.9
Ldn qdBqASS 55.1
7tandard qdBqASS -0 115

Reference Method : I7O1996N and 1996N2

7tandard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540S เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 254(

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11-30N1/ EMAIL

S:\Reports\Air Noise rpt (4:02PM)



Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2511866

Date Received : Jun 26, 2025

Date Reported : Jul 04, 2025

Report num 8er: 335306-N

Page 1 of 1

Sample Number 2511-66N
Parameter noise (Le) 24 hrs.S
Location วัดหนองน้ำสน GPS 7 4(P 6-3(30, 15-41315
Measurement Date Jun 21 NJun 22, 2025
Measurement by Autit Aoonsib
Sound Level meter 7erial no. -5- 521

Time	Le (dB(A))	Lb ax (dB(A))	L90 (dB(A))
01:00 PM N02:00 PM	49.6	6-.-	40.6
02:00 PM N03:00 PM	51.2	66.4	41.6
03:00 PM N04:00 PM	52.1	(4.2	44.4
04:00 PM N05:00 PM	53.4	(5.5	46.-
05:00 PM N06:00 PM	55.3	(4.5	46.6
06:00 PM N07:00 PM	55.0	(0.9	46.-
07:00 PM N08:00 PM	50.3	(3.-	42.9
08:00 PM N09:00 PM	45.-	6(.5	42.-
09:00 PM N10:00 PM	45.5	52.-	44.5
10:00 PM N11:00 PM	45.0	59.9	43.2
11:00 PM N12:00 AM	44.4	(2.6	41.6
12:00 AM N01:00 AM	42.6	59.6	41.5
01:00 AM N02:00 AM	42.4	59.6	41.1
02:00 AM N03:00 AM	43.3	63.0	41.2
03:00 AM N04:00 AM	42.5	64.4	40.-
04:00 AM N05:00 AM	45.5	6.-.	40.6
05:00 AM N06:00 AM	50.5	(3.0	42.5
06:00 AM N07:00 AM	55.-	(6.4	45.3
07:00 AM N08:00 AM	52.6	6(.6	45.0
08:00 AM N09:00 AM	52.4	(1.9	44.5
09:00 AM N10:00 AM	50.9	6(.6	44.2
10:00 AM N11:00 AM	52.2	-2.4	44.9
11:00 AM N12:00 PM	50.-	(1.-	44.2
12:00 PM N01:00 PM	51.6	66.5	43.6

Le) Average 24 hrs. (dB(A))

51.0

Lb ax (dB(A))

-2.4

L90 (dB(A))

43.2

Ldn (dB(A))

55.6

7tandard (dB(A))

(0

115

Reference Method : ISO1996-1 and 1996-2

7tandard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540S เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 254-

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Orawan Rakying

7cientist (S)

7upol 7alab ten

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11(30N1/ EMAIL



Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2511866

Date Received : Jun 26, 2025

Date Reported : Jul 04, 2025

Report Number: 3353069-1

Page 1 of 1

Sample Number 2511866-E
Parameter Noise (Leq 24 hrs.)
Location วัดหนองน้ำสน (GPS 47P 683730, 1584131)
Measurement Date Jun 22 - Jun 23, 2025
Measurement by Autit Aoonsim
Sound Level meter Serial No. 858521

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	50.3	67.1	42.5
02:00 PM - 03:00 PM	51.3	72.0	43.1
03:00 PM - 04:00 PM	53.0	71.8	46.2
04:00 PM - 05:00 PM	51.0	70.2	45.3
05:00 PM - 06:00 PM	50.6	70.9	45.4
06:00 PM - 07:00 PM	48.4	63.2	44.4
07:00 PM - 08:00 PM	48.9	76.2	42.3
08:00 PM - 09:00 PM	46.6	72.3	42.6
09:00 PM - 10:00 PM	47.9	56.5	46.9
10:00 PM - 11:00 PM	49.0	64.8	47.6
11:00 PM - 12:00 AM	47.1	54.0	46.1
12:00 AM - 01:00 AM	46.6	60.6	44.8
01:00 AM - 02:00 AM	44.4	50.9	42.9
02:00 AM - 03:00 AM	42.3	56.4	41.2
03:00 AM - 04:00 AM	45.9	66.6	41.5
04:00 AM - 05:00 AM	48.5	68.4	46.4
05:00 AM - 06:00 AM	50.8	71.1	45.0
06:00 AM - 07:00 AM	57.0	73.7	46.0
07:00 AM - 08:00 AM	55.1	74.0	48.2
08:00 AM - 09:00 AM	52.7	72.1	46.2
09:00 AM - 10:00 AM	50.7	67.8	44.2
10:00 AM - 11:00 AM	49.5	75.2	43.6
11:00 AM - 12:00 PM	49.5	73.1	43.0
12:00 PM - 01:00 PM	49.9	72.3	41.5

Leq Average 24 hrs. (dB(A))

50.7

Lmax (dB(A))

76.2

L90 (dB(A))

44.4

Ldn (dB(A))

56.8

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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11730-21/ EMAIL



Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2511866
Date Received : Jun 26, 2025
Date Reported : Jul 04, 2025
Report nub 8er: 33530-0N

Page 1 of 1

Sample Number 2511(66N0
Parameter noise dLe) 24 hrs.S
Location วัดหนองน้ำส้ม ถ.พ7 4-P 6(3-30, 15(4131S
Measurement Date Jun 23 NJun 24, 2025
Measurement by Autit Aoonsib
Sound Level meter 7erial no. (5(521

Tib e	Le) qdBqASS	Lb ax qdBqASS	L90 qdBqASS
01:00 PM N02:00 PM	51.2	-4.2	42.-
02:00 PM N03:00 PM	49.5	6.-2	43.0
03:00 PM N04:00 PM	51.0	-3.1	42.6
04:00 PM N05:00 PM	50.2	-2.2	43.3
05:00 PM N06:00 PM	50.9	--.4	44.4
06:00 PM N0-:00 PM	50.-	6(.-	44.2
0-:00 PM N0(:00 PM	46.2	-1.(	41.4
0(:00 PM N09:00 PM	4.-	--.0	42.2
09:00 PM N10:00 PM	4.-6	-1.6	46.0
10:00 PM N11:00 PM	51.3	6(.4	45.1
11:00 PM N12:00 AM	49.2	6.-.	45.1
12:00 AM N01:00 AM	44.-	63.9	42.5
01:00 AM N02:00 AM	45.3	66.5	42.-
02:00 AM N03:00 AM	44.0	6.-.1	41.0
03:00 AM N04:00 AM	41.9	55.-	40.-
04:00 AM N05:00 AM	46.0	6.-.4	43.2
05:00 AM N06:00 AM	50.1	-3.5	42.4
06:00 AM N0-:00 AM	53.4	-1.9	45.4
0-:00 AM N0(:00 AM	51.2	6(.9	45.5
0(:00 AM N09:00 AM	51.-	-9.5	44.9
09:00 AM N10:00 AM	51.4	69.-	43.-
10:00 AM N11:00 AM	51.4	-2.9	43.1
11:00 AM N12:00 PM	4(.4	--.6	42.6
12:00 PM N01:00 PM	49.2	-0.5	42.(

Le) Average 24 hrs. qdBqASS 49.-
Lb ax qdBqASS -9.5
L90 qdBqASS 43.0
Ldn qdBqASS 55.4
7tandard qdBqASS -0 115

Reference Method : I701996N and 1996N2

7tandard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540S เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 254(

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Orawan Rakyoung
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S:\Reports\Air Noise rpt (4:06PM)



Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2511866
Date Received : Jun 26, 2025
Date Reported : Jul 04, 2025
Report nub 8er: 33530-1N

Page 1 of 1

Sample Number 2511(66N0
Parameter noise dLe) 24 hrs.S
Location วัดหนองน้ำส้ม ถ.พ7 4-P 6(3-30, 15(4131S
Measurement Date Jun 24 NJun 25, 2025
Measurement by Autit Aoonsib
Sound Level meter 7erial no. (5(521

Tib e	Le) qdBqASS	Lb ax qdBqASS	L90 qdBqASS
01:00 PM N02:00 PM	4(.-	-0.9	41.0
02:00 PM N03:00 PM	49.6	-0.1	41.4
03:00 PM N04:00 PM	49.(	6(.5	41.(
04:00 PM N05:00 PM	50.4	6.-.0	42.1
05:00 PM N06:00 PM	50.5	69.(	42.-
06:00 PM N0-:00 PM	52.3	(2.5	43.3
0-:00 PM N0(:00 PM	45.(	65.(	40.-
0(:00 PM N09:00 PM	45.-	63.(	42.9
09:00 PM N10:00 PM	4.-.9	59.-	46.-
10:00 PM N11:00 PM	4.-.2	64.(	45.5
11:00 PM N12:00 AM	46.0	55.4	45.0
12:00 AM N01:00 AM	45.0	60.3	43.(
01:00 AM N02:00 AM	44.9	65.-	42.9
02:00 AM N03:00 AM	44.1	49.4	43.3
03:00 AM N04:00 AM	43.0	56.5	41.6
04:00 AM N05:00 AM	43.-	66.6	41.-
05:00 AM N06:00 AM	50.-	-4.3	42.2
06:00 AM N0-:00 AM	53.-	-2.(	46.0
0-:00 AM N0(:00 AM	53.3	-6.3	45.9
0(:00 AM N09:00 AM	52.2	-2.0	45.9
09:00 AM N10:00 AM	50.1	6.-.6	44.6
10:00 AM N11:00 AM	5.-.4	-3.(	45.1
11:00 AM N12:00 PM	63.-	(5.-	59.5
12:00 PM N01:00 PM	5.-.9	-4.4	42.2

Le) Average 24 hrs. qdBqASS 53.5
Lb ax qdBqASS (5.-
L90 qdBqASS 42.9
Ldn qdBqASS 56.4
7tandard qdBqASS -0 115

Reference Method : I701996N and 1996N2

7tandard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540S เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 254(

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Lot ID: 2511866

Date Received : Jun 26, 2025

Date Reported : Jul 04, 2025

Date Reported : Jul 04, 2025

Report nub 8er: 33530-2N

Page 1 of 1

Sample Number	2511(66N1
Parameter	rise (d.e) 24 hrs.S
Location	၁၆ မြေအောက် GP7 4-P 6(43(6, 15(-1(25
Measurement Date	Jun 20 NJun 21, 2025
Measurement by	Autit Aconsib
Sound Level meter	7erial rrp. (- 3053

Tib e	Le) qdBoqSS	Lb ax qdBoqSS	L90 qdBoqSS
11:00 AM N12:00 PM	55.6	(5.3	4- 5
12:00 PM N01:00 PM	50.(	- 1.2	44.5
01:00 PM N02:00 PM	52.1	- 2.-	4- -
02:00 PM N03:00 PM	51.2	- (5.	4(. 0
03:00 PM N04:00 PM	50.1	- 1.3	4- (.
04:00 PM N05:00 PM	51.3	- 4.0	46.(
05:00 PM N06:00 PM	51.4	69.4	4- -.
06:00 PM N0- :00 PM	50.6	- 0.4	4- 9
0- :00 PM N0(:00 PM	4(. (	66.-	44.6
0(:00 PM N09:00 PM	49.0	64.3	45.9
09:00 PM N10:00 PM	4(. 6	6- 5	45.2
10:00 PM N11:00 PM	50.9	55.0	44.2
11:00 PM N12:00 AM	45.2	5- -.	42.6
12:00 AM N01:00 AM	43.4	54.3	40.3
01:00 AM N02:00 AM	43.4	5(. 5	39.-
02:00 AM N03:00 AM	45.(	53.3	44.5
03:00 AM N04:00 AM	45.9	60.(	44.4
04:00 AM N05:00 AM	46.1	56.-	42.6
05:00 AM N06:00 AM	50.2	- 2.2	42.-
06:00 AM N0- :00 AM	4(. 6	65.9	41.6
0- :00 AM N0(:00 AM	50.5	- 2.6	40.-
0(:00 AM N09:00 AM	54.6	- 6.3	49.0
09:00 AM N10:00 AM	53.2	- 5.3	4(. 3
10:00 AM N11:00 AM	53.4	- 3.0	4(. 2

Lb ax cIBoAS (5.3)

Ldn of BqAS 54.1

Reference Method : ISO 1006M and 1006M

Reference Method : I7O1996N1 and 1996N2

7) standard : 1. มี ป้ะสะกัป๊... ครลึ ถัดมาลงลิคแดด สมิ ทิ พัพ 15 ุ .น. 25405... ชุตตวากสย โธัย ปัก ฅมถวานพ่งโม
2. มี ป้ะสะวั ปิ่ง จงขณภสตร... ค... ชุตตวากสย ปัก ฅมถลึ... รงอ แลมี ปัก ฅมทพำจสรลัม มี ป้ะทิ รังล
์ ตลล... น. 254(

Technical Management

Orawan Kakyong
Scientist a3S

7upot 7alao ten
7ection Head

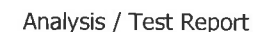
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Lot ID: 2511866

Date Received : Jun 26, 2025

Date Reported : Jul 04, 2025

Report number: 33530-3N

Report nub 8er: 33530-3N

Page 1 of 1

Sample Number	2511(66M2
Parameter	noise d(e) 24 hrs.S
Location	१ ई. भागा अर्धे गड 4-P 6(43(6, 15(- 1(29
Measurement Date	Jun 21 N.un 22, 2025
Measurement by	Audit Aoonsib
Sound Level meter	Zerial mp. (- 3053

Tib e	Le) qdBoqSS	Lb ax qdBoqSS	L90 qdBoqSS
11:00 AM N12:00 PM	49.9	6-. -	46.2
12:00 PM N01:00 PM	4-. -	64.9	45.0
01:00 PM N02:00 PM	49.2	6-.0	46.6
02:00 PM N03:00 PM	50.2	-1.4	46.-
03:00 PM N04:00 PM	50.5	6(.2	46.9
04:00 PM N05:00 PM	53.0	-1.1	46.(
05:00 PM N06:00 PM	51.(	-2(.	4-.5
06:00 PM N0-.:00 PM	49.2	66(.	4-.2
0-.:00 PM N0(.:00 PM	4(.4	62.1	45.9
0(.:00 PM N09:00 PM	4-.3	5(.9	45.4
09:00 PM N10:00 PM	43.6	60.5	41.2
10:00 PM N11:00 PM	43.2	59.(	41.6
11:00 PM N12:00 AM	40.4	52.0	39.0
12:00 AM N01:00 AM	42.2	56.3	40.2
01:00 AM N02:00 AM	39.5	54.2	3(.1
02:00 AM N03:00 AM	40.5	54.9	3-.(
03:00 AM N04:00 AM	40.1	5(.0	3-.6
04:00 AM N05:00 AM	40.-	59.9	3(.(.
05:00 AM N06:00 AM	50.1	-0.0	39.3
06:00 AM N0-.:00 AM	49.6	69.4	40.1
0-.:00 AM N0(.:00 AM	4(.3	6(.-.	39.6
0(.:00 AM N09:00 AM	4-.1	69.0	40.9
09:00 AM N10:00 AM	4-.4	-2.3	40.(
10:00 AM N11:00 AM	4-.5	-1.-	40.2

Lb ax cr Bo ASS -2.

Ldn adBqASS	52.3
-------------	------

Reference Method: IZOL1005M and 1005AB

Reference Method : I701996N and 1996N2

[illegible]

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Project Location : GUT

Report nub 8er: 33530-4N

Page 1 of 1

Sample Number	2511(66N3
Parameter	noise (d.e) 24 hrs.S
Location	3 00 10.000000 77°07' 4-P 6(43(6, 15(-1(2S
Measurement Date	Jun 22 NJun 23, 2025
Measurement by	Audit Aoonsib
Sound Level meter	7erial no. (-3053

Tib e	Le) qIBqAS	Lb ax qIBqAS	L90 qIBqAS
11:00 AM N12:00 PM	45.9	6,-.4	39.1
12:00 PM N01:00 PM	49.-	-3.1	39.2
01:00 PM N02:00 PM	45.2	6(.(	3(.9
02:00 PM N03:00 PM	45.(	64.4	40.1
03:00 PM N04:00 PM	46.9	64.6	40.6
04:00 PM N05:00 PM	4.-5	6(.-	41.9
05:00 PM N06:00 PM	46.3	66.5	40.2
06:00 PM N0-:00 PM	45.4	-0.(	40.3
0-:00 PM N0(:00 PM	44.-	64.2	41.1
0(:00 PM N09:00 PM	4-.(3	63.(	46.2
09:00 PM N10:00 PM	52.2	69.6	46.3
10:00 PM N11:00 PM	45.2	63.-	42.3
11:00 PM N12:00 AM	45.3	65.1	43.(
12:00 AM N01:00 AM	42.3	56.9	40.6
01:00 AM N02:00 AM	46.-	6(.0	39.9
02:00 AM N03:00 AM	46.2	52.3	40.4
03:00 AM N04:00 AM	46.2	59.2	41.2
04:00 AM N05:00 AM	4-.(3	56.3	46.3
05:00 AM N06:00 AM	49.9	-2.3	42.0
06:00 AM N0-:00 AM	4(.1	6-.-	42.2
0-:00 AM N0(:00 AM	51.1	-3.0	44.3
0(:00 AM N09:00 AM	53.9	-3.5	4(.9
09:00 AM N10:00 AM	52.0	-0.1	4(.2
10:00 AM N11:00 AM	53.0	-2.2	4(.3

Le) Average 24 hrs. qBq/ASS	4(-		
Lb ax qBq/ASS		-3.5	
L90 qBq/ASS			41.2
Ldn qBq/ASS	53.-		
7standard qBq/ASS	-0	115	

7)standard : 1. มี ปะละกตปี่ ครรสี ถิ่นเกล้ายุคแด่ล สมิท" พุฒ5ตุ .น. 25405" ชูตรชดากสลิ โสเวิภี" ณมทานพ่งโม
2. มี ปะละกตปี่ หังละกรถรร" ค" ชูตรชดากสลิปี่ ณมทสิ" รงอแลปี่ ณมทพิจาสสรสิมี ปะพิ ริจรัส
วัลดสิ" .น. 254(

Technical Management

Orawan Rakyong
Scientist @BS

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Project Location : GUT

Report nub 8er: 33530- 5N

Page 1 of 1

Sample Number	2511(66N4
Parameter	noise d.e) 24 hrs.S
Location	† † † † † † † † † P 6(43(6, 15(-1(2S
Measurement Date	Jun 23 NJun 24, 2025
Measurement by	Audit Aaconsib
Sound Level meter	7erial no. (- 3053

Tib e	Le) qdBqSS	Lb ax qdBqSS	L90 qdBqSS
11:00 AM N12:00 PM	53.-	-2.9	44.5
12:00 PM N01:00 PM	51.2	--.2	39.3
01:00 PM N02:00 PM	50.3	69.0	4-.0
02:00 PM N03:00 PM	51.3	-3.5	4-.3
03:00 PM N04:00 PM	51.(	-3.-	4-.1
04:00 PM N05:00 PM	50.9	-4.-	4-.2
05:00 PM N06:00 PM	50.5	69.1	4-.(
06:00 PM N0-.:00 PM	49.6	-1.-	46.(
0-.:00 PM N0(::00 PM	4-.6	59.0	45.2
0(::00 PM N09:00 PM	4(. -	6(.0	4-.0
09:00 PM N10:00 PM	4-.(	5(.3	46.6
10:00 PM N11:00 PM	4-..3	6(.0	43.-
11:00 PM N12:00 AM	45.5	64.2	40.5
12:00 AM N01:00 AM	45.5	61.-	44.0
01:00 AM N02:00 AM	44.-	61.9	42.4
02:00 AM N03:00 AM	42.4	63.4	40.4
03:00 AM N04:00 AM	43.1	62.4	39.9
04:00 AM N05:00 AM	41.3	5-.5	39.1
05:00 AM N06:00 AM	49.0	69.-	39.6
06:00 AM N0-.:00 AM	50.6	69.3	41.9
0-.:00 AM N0(::00 AM	51.6	--.1	45.9
0(::00 AM N09:00 AM	54.0	-5.(	49.1
09:00 AM N10:00 AM	52.(	-3.0	4(.0
10:00 AM N11:00 AM	5(.2	(0.4	49.5

Le) Average 24 hrs. q/BqAS	50.9		
Lb ax q/BqAS		(0.4	
L90 q/BqAS			45.2
Ldn q/BqAS	54.3		
7tandard q/BqAS	-0	115	

7) standard : 1. มี น้ ะ สะกต น้ ะ ครส ี กต น้ ะ ลก น้ ะ คด น้ ะ สล ี ท ี พ น้ ะ 5 ี . ะ . 25405 ี ฐร น้ ะ สด น้ ะ อาก น้ ะ น้ ะ สล ี น้ ะ น้ ะ กต น้ ะ พ น้ ะ น้ ะ
2. มี น้ ะ สร ี น้ ะ พ น้ ะ กต น้ ะ สด น้ ะ ค ี ฐร น้ ะ สด น้ ะ อาก น้ ะ น้ ะ น้ ะ กต น้ ะ สล ี น้ ะ ร น้ ะ กต น้ ะ น้ ะ น้ ะ น้ ะ น้ ะ กต น้ ะ พ น้ ะ น้ ะ น้ ะ น้ ะ น้ ะ น้ ะ
ร น้ ะ คด น้ ะ . ะ . 254(

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Lot ID: 2511866

Date Received : Jun 26, 2025

Date Reported : Jul 04, 2025

Report nub 8er: 33530-6N

Report nub 8er: 33530-6NL

Page 1 of 1

Sample Number	2511(66NLS
Parameter	noise d.e) 24 hrs.S
Location	၁ နံ မဲသုဝါဇ်စ် ၂၄၀၇ + ပ ၆(43(6, 15(-1(25
Measurement Date	Jun 24 NJun 25, 2025
Measurement by	Audit Aconsib
Sound Level meter	7erial rrb. (-3053

Tib e	Le) qdBoqSS	Lb ax qdBoqSS	L90 qdBoqSS
11:00 AM N12:00 PM	54.5	--.2	46.4
12:00 PM N01:00 PM	50.9	-2.3	42.3
01:00 PM N02:00 PM	53.6	-(.-	4(.3
02:00 PM N03:00 PM	52.0	-2.2	4-.9
03:00 PM N04:00 PM	52.1	-2.0	4-.6
04:00 PM N05:00 PM	5-.3	-5.4	46.0
05:00 PM N06:00 PM	50.5	69.0	45.2
06:00 PM N0-.00 PM	49.(	-0.4	43.2
0-.00 PM N0(.00 PM	4-.9	63.2	43.5
0(.00 PM N09:00 PM	46.(	54.5	45.9
09:00 PM N10:00 PM	4-.6	63.1	46.1
10:00 PM N11:00 PM	46.3	64.-	43.9
11:00 PM N12:00 AM	45.2	5-.1	44.2
12:00 AM N01:00 AM	46.9	5-.3	42.3
01:00 AM N02:00 AM	41.6	55.1	39.3
02:00 AM N03:00 AM	42.9	66.2	3(.(.
03:00 AM N04:00 AM	56.1	(0.0	39.1
04:00 AM N05:00 AM	52.-	(1.-	41.3
05:00 AM N06:00 AM	61.2	-2.1	42.6
06:00 AM N0-.00 AM	50.3	-1.4	41.5
0-.00 AM N0(.00 AM	54.4	-9.9	45.0
0(.00 AM N09:00 AM	54.6	-4.2	4(.9
09:00 AM N10:00 AM	52.3	--.4	4(.2
10:00 AM N11:00 AM	54.6	--.4	4(.5

Le) Average 24 hrs. qdBqAS	53.2		
Lb ax qdBqAS		(1-	
L90 qdBqAS			44.2
Ldn qdBqAS	60.1		
7standard qdBqAS	-0	115	

Reference Method : I7O1996N1 and 1996N2

7)standard : 1. มี ประสิทธิภาพ ครบถ้วนตามหลักเกณฑ์ สผ ทพ.5 ที่ พ.ร.บ.25405- มุตรธนาอาสน์ โสภี ปกั กณตนาฟงโม
2. มี ประสิทธิภาพ ฟังเสียงดนตรี ค- มุตรธนาอาสน์ ปกั กณตลีส รวง แดป ปกั กณตพหจขสธรี มี ประติ รจรลี
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ภาคผนวก ค-5

ระดับเสียงภายในสถานประกอบการ



Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543274

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number: 3312521-1

Page 1 of 1

Sample Number 2543274-1
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower Block 1
Measurement Date May 13, 2025
Measurement by Phongsiri Somkaew

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	57.1	79.7	56.3
11:00 AM - 12:00 PM	56.6	64.8	56.2
12:00 PM - 01:00 PM	56.5	63.3	56.0
01:00 PM - 02:00 PM	56.3	66.0	56.0
02:00 PM - 03:00 PM	56.2	66.1	55.8
03:00 PM - 04:00 PM	56.3	63.1	55.9
04:00 PM - 05:00 PM	56.4	61.3	56.0
05:00 PM - 06:00 PM	56.7	65.0	56.3

Leq Average 8 hrs. (dB(A))

56.5

Lmax (dB(A))

79.7

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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Scientist (3)

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543274

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number: 3312522-1

Page 1 of 1

Sample Number 2543274-2
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower Block 1
Measurement Date May 14, 2025
Measurement by Phongsiri Somkaew

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.7	69.6	55.9
11:00 AM - 12:00 PM	62.1	74.2	56.2
12:00 PM - 01:00 PM	71.6	101.0	57.9
01:00 PM - 02:00 PM	57.8	63.7	57.2
02:00 PM - 03:00 PM	57.2	69.0	56.8
03:00 PM - 04:00 PM	57.1	70.1	56.7
04:00 PM - 05:00 PM	56.9	62.7	56.5
05:00 PM - 06:00 PM	57.1	66.1	56.6

Leq Average 8 hrs. (dB(A))

63.8

Lmax (dB(A))

101.0

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2543274
Date Received : May 16, 2025
Date Reported : May 22, 2025
Report Number: 3312523-1

Page 1 of 1

Sample Number 2543274-3
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower Block 1
Measurement Date May 15, 2025
Measurement by Phongsiri Somkaew

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.7	67.6	56.3
11:00 AM - 12:00 PM	56.7	68.8	56.2
12:00 PM - 01:00 PM	57.0	70.7	56.1
01:00 PM - 02:00 PM	56.5	63.7	56.0
02:00 PM - 03:00 PM	56.3	65.5	56.0
03:00 PM - 04:00 PM	56.3	60.5	56.0
04:00 PM - 05:00 PM	56.5	66.1	55.9
05:00 PM - 06:00 PM	56.9	69.2	56.2

Leq Average 8 hrs. (dB(A)) 56.6

Lmax (dB(A)) 70.7

Standard (dB(A)) 90 140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2543274
Date Received : May 16, 2025
Date Reported : May 22, 2025
Report Number: 3312530-1

Page 1 of 1

Sample Number 2543274-10
Parameter Noise (Lec 8 hrs.)
Location บริเวณ Boiler Feed Pump Block 1
Measurement Date May 13, 2025
Measurement by Phongsiri Somkaew

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	53.2	60.2	52.2
11:00 AM - 12:00 PM	53.1	60.5	52.0
12:00 PM - 01:00 PM	53.5	62.5	52.3
01:00 PM - 02:00 PM	53.5	60.0	52.5
02:00 PM - 03:00 PM	55.2	69.5	53.1
03:00 PM - 04:00 PM	53.6	63.2	52.6
04:00 PM - 05:00 PM	54.6	62.6	53.3
05:00 PM - 06:00 PM	55.4	68.7	53.5

Leq Average 8 hrs. (dB(A)) 54.1

Lmax (dB(A)) 69.5

Standard (dB(A)) 90 140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Prankhonslayutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543274

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number: 3312531-1

Page 1 of 1

Sample Number 2543274-11
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Boiler Feed Pump Block 1
Measurement Date May 14, 2025
Measurement by Phongsiri Somkaew

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	55.8	76.5	52.1
11:00 AM - 12:00 PM	64.6	77.3	54.8
12:00 PM - 01:00 PM	73.6	103.6	56.5
01:00 PM - 02:00 PM	56.6	63.3	55.0
02:00 PM - 03:00 PM	55.8	64.4	54.5
03:00 PM - 04:00 PM	55.3	64.6	54.1
04:00 PM - 05:00 PM	55.1	64.2	53.8
05:00 PM - 06:00 PM	55.6	65.8	53.7

Leq Average 8 hrs. (dB(A))

65.4

Lmax (dB(A))

103.6

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Prankhonslayutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543274

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number: 3312532-1

Page 1 of 1

Sample Number 2543274-12
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Boiler Feed Pump Block 1
Measurement Date May 15, 2025
Measurement by Phongsiri Somkaew

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	53.8	66.9	52.4
11:00 AM - 12:00 PM	55.2	73.0	52.3
12:00 PM - 01:00 PM	53.6	61.2	52.2
01:00 PM - 02:00 PM	53.7	64.7	52.2
02:00 PM - 03:00 PM	53.0	61.3	51.8
03:00 PM - 04:00 PM	52.8	59.0	51.8
04:00 PM - 05:00 PM	55.3	76.5	53.6
05:00 PM - 06:00 PM	54.6	63.5	53.3

Leq Average 8 hrs. (dB(A))

54.1

Lmax (dB(A))

76.5

Standard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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Scientist (3)

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543274

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number: 3312539-1

Page 1 of 1

Sample Number 2543274-19
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine Accessories system Block 1
Measurement Date May 13, 2025
Measurement by Phongsiri womkaeS

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	80.9	81.5	80.8
11:00 AM - 12:00 PM	80.9	81.4	80.8
12:00 PM - 01:00 PM	80.9	81.5	80.8
01:00 PM - 02:00 PM	80.9	81.4	80.8
02:00 PM - 03:00 PM	80.9	81.4	80.8
03:00 PM - 04:00 PM	80.9	81.3	80.8
04:00 PM - 05:00 PM	80.9	81.4	80.7
05:00 PM - 06:00 PM	80.9	81.4	80.8

Leq Average 8 hrs. (dB(A))

80.9

Lmax (dB(A))

81.5

Wstandard (dB(A))

90

140

Reference Method : Based on IwO1996-1 and 1996-2

Wstandard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543274

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number: 3312540-1

Page 1 of 1

Sample Number 2543274-20
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine Accessories system Block 1
Measurement Date May 14, 2025
Measurement by Phongsiri womkaeS

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	80.9	81.4	80.8
11:00 AM - 12:00 PM	81.0	81.6	80.9
12:00 PM - 01:00 PM	81.1	83.6	81.0
01:00 PM - 02:00 PM	81.1	81.5	81.0
02:00 PM - 03:00 PM	81.0	81.4	80.9
03:00 PM - 04:00 PM	81.0	81.5	80.9
04:00 PM - 05:00 PM	81.0	81.5	80.9
05:00 PM - 06:00 PM	81.0	81.4	80.9

Leq Average 8 hrs. (dB(A))

81.0

Lmax (dB(A))

83.6

Wstandard (dB(A))

90

140

Reference Method : Based on IwO1996-1 and 1996-2

Wstandard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2543274
Date Received : May 16, 2025
Date Reported : May 22, 2025
Report Number: 3312541-1

Page 1 of 1

Sample Number 2543274-21
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine Accessories system Block 1
Measurement Date May 15, 2025
Measurement by Phongsiri womkaeS

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	81.0	81.9	80.8
11:00 AM - 12:00 PM	80.9	81.5	80.8
12:00 PM - 01:00 PM	80.9	81.4	80.8
01:00 PM - 02:00 PM	80.9	81.4	80.8
02:00 PM - 03:00 PM	80.8	81.4	80.7
03:00 PM - 04:00 PM	80.8	81.3	80.6
04:00 PM - 05:00 PM	80.8	81.3	80.7
05:00 PM - 06:00 PM	80.9	81.4	80.8

Leq Average 8 hrs. (dB(A)) 80.9
Lmax (dB(A)) 81.9
L90 (dB(A)) 140
Reference Method : Based on IwO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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OraSan Rakyong
scientist (3)

wupot walamteh
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P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2543274
Date Received : May 16, 2025
Date Reported : May 22, 2025
Report nub 7er: 331254-N

Page 1 of 1

Sample Number 25432(412-
Parameter noise (Le8 - hrs.)
Location บริเวณ wteab Turbine Generator Block 1
Measurement Date May 13, 2025
Measurement by Phongsiri wob kaeS

Time	Le8 (dB(A))	Lb ax (dB(A))	L90 (dB(A))
10:00 AM N11:00 AM	(-.1	(9.0	(-.0
11:00 AM N12:00 PM	(-.0	(9.0	((.9
12:00 PM N01:00 PM	(-.0	(-.9	((.9
01:00 PM N02:00 PM	(-.0	(-.9	((.9
02:00 PM N03:00 PM	(-.0	(9.0	((.-
03:00 PM N04:00 PM	((.9	(-.9	((.-
04:00 PM N05:00 PM	(-.0	(9.0	((.-
05:00 PM N06:00 PM	(-.0	(-.9	((.9

Le8 Average - hrs. (dB(A)) (-.0
Lb ax (dB(A)) (9.0
L90 (dB(A)) 140
Reference Method : Based on IwO1996N1 and 1996N2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2543274
Date Received : May 16, 2025
Date Reported : May 22, 2025
Report Number: 3312549-1

Page 1 of 1

Sample Number 2543274-29
Parameter Noise (Leq 8 hrs.)
Location บริเวณ เขื่อน Turbine Generator Block 1
Measurement Date May 14, 2025
Measurement by Phongsiri womkaeS

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	78.0	81.2	77.8
11:00 AM - 12:00 PM	78.1	80.4	78.0
12:00 PM - 01:00 PM	78.2	86.7	78.0
01:00 PM - 02:00 PM	78.1	79.1	78.0
02:00 PM - 03:00 PM	78.1	79.0	78.0
03:00 PM - 04:00 PM	78.1	79.0	78.0
04:00 PM - 05:00 PM	78.1	79.0	78.0
05:00 PM - 06:00 PM	78.1	78.9	78.0

Leq Average 8 hrs. (dB(A))

78.1

Lmax (dB(A))

86.7

Standard (dB(A))

90

140

Reference Method : Based on IwO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย
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Grassan Kanyong
Scientist (3)

Wipoc Varanithien
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P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2543274
Date Received : May 16, 2025
Date Reported : May 22, 2025
Report Number: 3312550-1

Page 1 of 1

Sample Number 2543274-20
Parameter Noise (Leq 8 hrs.)
Location บริเวณ เขื่อน Turbine Generator Block 1
Measurement Date May 15, 2025
Measurement by Phongsiri womkaeS

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	78.1	79.0	78.0
11:00 AM - 12:00 PM	78.1	79.0	77.9
12:00 PM - 01:00 PM	78.0	78.8	77.8
01:00 PM - 02:00 PM	77.9	78.7	77.8
02:00 PM - 03:00 PM	77.8	78.8	77.7
03:00 PM - 04:00 PM	77.8	78.7	77.7
04:00 PM - 05:00 PM	77.9	78.9	77.7
05:00 PM - 06:00 PM	78.0	78.9	77.9

Leq Average 8 hrs. (dB(A))

78.0

Lmax (dB(A))

79.0

Standard (dB(A))

90

140

Reference Method : Based on IwO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย
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P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2543274
Date Received : May 16, 2025
Date Reported : May 22, 2025
Report nub 7er: 331255-N

Page 1 of 1

Sample Number 25432-418-
Parameter noise (Leq 8 hrs.)
Location บริเวณ wteab Turfine Lu7e Sil wkid Block 1
Measurement Date May 13, 2025
Measurement by Phongsiri wob kaex

Tib e	Leq (dB(A))	Lb aO(dB(A))	L90 (dB(A))
10:00 AM N11:00 AM	80.-	81.8	80.5
11:00 AM N12:00 PM	80.6	81.6	80.4
12:00 PM N01:00 PM	80.6	81.5	80.4
01:00 PM N02:00 PM	80.6	81.5	80.3
02:00 PM N03:00 PM	80.6	81.6	80.4
03:00 PM N04:00 PM	80.5	81.3	80.3
04:00 PM N05:00 PM	80.6	81.5	80.3
05:00 PM N06:00 PM	80.-	81.-	80.4

Leq Average 8 hrs. (dB(A))

80.6

Lb aO(dB(A))

81.8

wstandard (dB(A))

90

140

Reference Method : Based on IwS 1996N and 1996N2

wstandard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2543274
Date Received : May 16, 2025
Date Reported : May 22, 2025
Report nub 7er: 331255-N

Page 1 of 1

Sample Number 25432(418-
Parameter noise (Le8 - hrs.)
Location บริเวณ wteab Turfine Lu7e Sil wkid Block 1
Measurement Date May 14, 2025
Measurement by Phongsiri wob kaex

Tib e	Le8 qdBqA))	Lb aOqdBqA))	L90 qdBqA))
10:00 AM N11:00 AM	-0.6	-2.4	-0.4
11:00 AM N12:00 PM	-0.-	-1.9	-0.5
12:00 PM N01:00 PM	-0.9	-1.2	-0.(
01:00 PM N02:00 PM	-0.9	-2.1	-0.6
02:00 PM N03:00 PM	-0.-	-1.9	-0.(
03:00 PM N04:00 PM	-0.9	-1.9	-0.(
04:00 PM N05:00 PM	-0.-	-1.-	-0.(
05:00 PM N06:00 PM	-0.-	-1.(	-0.6

Le8 Average - hrs. qdBqA))

-0.-

Lb aOqdBqA))

-1.2

wstandard qdBqA))

90

140

Reference Method : Based on IwS 1996N and 1996N2

wstandard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2543274
Date Received : May 16, 2025
Date Reported : May 22, 2025
Report Number: 3312559-1

Page 1 of 1

Sample Number 2543274-39
Parameter Noise (Leq 8 hrs.)
Location บริเวณ vteam Turbine Lube Sil wkid Block 1
Measurement Date May 15, 2025
Measurement by Phongsiri womkae5

Time	Leq (dB(A))	LmaxO(dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	80.7	83.3	80.5
11:00 AM - 12:00 PM	80.7	81.7	80.5
12:00 PM - 01:00 PM	80.5	81.6	80.3
01:00 PM - 02:00 PM	80.6	81.5	80.3
02:00 PM - 03:00 PM	80.5	81.5	80.3
03:00 PM - 04:00 PM	80.5	81.5	80.3
04:00 PM - 05:00 PM	80.8	82.1	80.5
05:00 PM - 06:00 PM	81.0	82.8	80.8

Leq Average 8 hrs. (dB(A))

80.7

LmaxO(dB(A))

83.3

vstandard (dB(A))

90

140

Reference Method : Based on IwS 1996-1 and 1996-2

vstandard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management

Stax an Rakying
vscientist (3)

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vsection Head

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P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2543274
Date Received : May 16, 2025
Date Reported : May 22, 2025
Report Number: 3312566-1

Page 1 of 1

Sample Number 2543274-46
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Air Compressor Block 1
Measurement Date May 13, 2025
Measurement by Phongsiri womkae5

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	77.0	94.1	75.5
11:00 AM - 12:00 PM	77.0	94.4	75.3
12:00 PM - 01:00 PM	76.8	94.1	75.1
01:00 PM - 02:00 PM	76.9	94.6	75.2
02:00 PM - 03:00 PM	76.9	94.6	75.1
03:00 PM - 04:00 PM	76.7	95.2	75.0
04:00 PM - 05:00 PM	76.7	94.1	75.0
05:00 PM - 06:00 PM	76.7	94.3	75.1

Leq Average 8 hrs. (dB(A))

76.8

Lmax (dB(A))

95.2

vstandard (dB(A))

90

140

Reference Method : Based on IwO1996-1 and 1996-2

vstandard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543274

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report nub 7er: 331256-N

Page 1 of 1

Sample Number 25432-4M-
Parameter noise (Leq 8 hrs.)
Location บริเวณ Air Cob pressor Block 1
Measurement Date May 14, 2025
Measurement by Phongsiri wob kaeS

Tib e	Leq (dB(A))	Lb ax (dB(A))	L90 (dB(A))
10:00 AM N11:00 AM	--.0	93.9	-5.3
11:00 AM N12:00 PM	--.2	94.3	-5.3
12:00 PM N01:00 PM	--.1	94.2	-5.5
01:00 PM N02:00 PM	--.1	94.6	-5.6
02:00 PM N03:00 PM	-6.9	94.-	-5.3
03:00 PM N04:00 PM	-6.-	94.3	-5.2
04:00 PM N05:00 PM	--.0	94.-	-5.0
05:00 PM N06:00 PM	-6.-	93.-	-5.0

Leq Average 8 hrs. (dB(A))

--.0

Lb ax (dB(A))

94.-

Standard (dB(A))

140

Reference Method : Based on IWO1996N and 1996N

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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Technical Management

OraSan Rakyong
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P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543274

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report nub 7er: 331256-N

Page 1 of 1

Sample Number 25432(4M-
Parameter noise qLe8 - hrs.)
Location บริเวณ Air Cob pressor Block 1
Measurement Date May 15, 2025
Measurement by Phongsiri wob kaeS

Tib e	Le8 qdBqA))	Lb ax qdBqA))	L90 qdBqA))
10:00 AM N11:00 AM	((.1	94.2	(5.3
11:00 AM N12:00 PM	((.2	94.3	(5.5
12:00 PM N01:00 PM	((.1	93.(	(5.5
01:00 PM N02:00 PM	((.2	94.3	(5.6
02:00 PM N03:00 PM	((.3	94.1	(5.5
03:00 PM N04:00 PM	((.9	93.-	(5.(
04:00 PM N05:00 PM	((.3	94.3	(5.3
05:00 PM N06:00 PM	(6.6	94.3	(5.1

Le8 Average - hrs. qdBqA))

((.2

Lb ax qdBqA))

94.3

Standard qdBqA))

140

Reference Method : Based on IWO1996N and 1996N

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543274

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report nub 7er: 33125-5N

Page 1 of 1

Sample Number 25432-4N5
Parameter noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower Block 2
Measurement Date May 13, 2025
Measurement by Phongsiri Sob kaew

Tib e	Leq (dB(A))	Lb ax (dB(A))	L90 (dB(A))
10:00 AM N11:00 AM	52.8	62.-	51.9
11:00 AM N12:00 PM	52.5	63.4	51.5
12:00 PM N01:00 PM	52.3	62.5	51.4
01:00 PM N02:00 PM	52.3	6-.8	51.1
02:00 PM N03:00 PM	52.3	63.6	51.2
03:00 PM N04:00 PM	51.9	64.-	51.0
04:00 PM N05:00 PM	52.0	61.1	51.1
05:00 PM N06:00 PM	53.3	63.-	51.9

Leq Average 8 hrs. (dB(A))

52.4

Lb ax (dB(A))

6-.8

Standard (dB(A))

90

140

Reference Method : Based on ISO1996N and 1996N

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543274

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report nub 7er: 33125-6N

Page 1 of 1

Sample Number 25432-4N6
Parameter noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower Block 2
Measurement Date May 14, 2025
Measurement by Phongsiri Sob kaew

Tib e	Leq (dB(A))	Lb ax (dB(A))	L90 (dB(A))
10:00 AM N11:00 AM	52.8	62.9	51.3
11:00 AM N12:00 PM	66.5	92.9	54.2
12:00 PM N01:00 PM	-0.8	101.5	54.6
01:00 PM N02:00 PM	55.1	63.5	53.6
02:00 PM N03:00 PM	53.4	62.3	52.-
03:00 PM N04:00 PM	53.4	66.-	52.4
04:00 PM N05:00 PM	53.2	62.0	52.2
05:00 PM N06:00 PM	53.-	64.2	52.4

Leq Average 8 hrs. (dB(A))

63.5

Lb ax (dB(A))

101.5

Standard (dB(A))

90

140

Reference Method : Based on ISO1996N and 1996N

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2543274
Date Received : May 16, 2025
Date Reported : May 22, 2025
Report nub 7er: 33125--N

Page 1 of 1

Sample Number 25432-4N6-
Parameter noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower Block 2
Measurement Date May 15, 2025
Measurement by Phongsiri Sob kaew

Tib e	Leq (dB(A))	Lb ax (dB(A))	L90 (dB(A))
10:00 AM N11:00 AM	51.3	63.3	49.-
11:00 AM N12:00 PM	51.1	62.-	49.4
12:00 PM N01:00 PM	52.6	69.-	49.6
01:00 PM N02:00 PM	50.4	61.0	49.1
02:00 PM N03:00 PM	51.3	6.-9	49.2
03:00 PM N04:00 PM	49.6	59.4	48.-
04:00 PM N05:00 PM	51.-	6.-9	50.2
05:00 PM N06:00 PM	51.2	58.3	50.1

Leq Average 8 hrs. (dB(A)) 51.2
Lb ax (dB(A)) 69.-
Standard (dB(A)) 90
Reference Method : Based on ISO1996N and 1996N2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย
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P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2543274
Date Received : May 16, 2025
Date Reported : May 22, 2025
Report nub 7er: 33125-4N

Page 1 of 1

Sample Number 25432(4N64
Parameter noise (Le8 - hrs.)
Location บริเวณ Boiler Feed Pub p Block 2
Measurement Date May 13, 2025
Measurement by Phongsiri Sob kaew

Tib e	Le8 (dB(A))	Lb ax (dB(A))	L90 (dB(A))
10:00 AM N11:00 AM	56.2	(0.0	53.6
11:00 AM N12:00 PM	55.0	63.5	52.9
12:00 PM N01:00 PM	54.6	63.4	52.-
01:00 PM N02:00 PM	54.-	64.2	52.-
02:00 PM N03:00 PM	54.0	61.(	52.6
03:00 PM N04:00 PM	54.5	63.-	52.-
04:00 PM N05:00 PM	54.4	62.-	52.-
05:00 PM N06:00 PM	54.6	63.(	52.9

Le8 Average - hrs. (dB(A)) 54.-
Lb ax (dB(A)) (0.0
Standard (dB(A)) 90
Reference Method : Based on ISO1996N and 1996N2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย
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P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543274

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report nub 7er: 33125-5N

Page 1 of 1

Sample Number 25432(4165)
Parameter noise dLe8 - hrs.)
Location บริเวณ Boiler Feed Pub p Block 2
Measurement Date May 14, 2025
Measurement by Phongsiri Sob kaew

Tib e	Le8 (dBqA))	Lb ax (dBqA))	L90 (dBqA))
10:00 AM N11:00 AM	63.0	-0.9	53.2
11:00 AM N12:00 PM	(3.6	102.(	56.2
12:00 PM N01:00 PM	59.9	((.(	56.3
01:00 PM N02:00 PM	56.(	64.5	54.-
02:00 PM N03:00 PM	55.5	64.5	54.1
03:00 PM N04:00 PM	55.2	63.9	53.-
04:00 PM N05:00 PM	55.4	64.(	53.4
05:00 PM N06:00 PM	55.5	63.5	53.6

Le8 Average - hrs. (dBqA))

65.4

Lb ax (dBqA))

102.(

Standard (dBqA))

90

Reference Method : Based on ISO1996M and 1996N

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543274

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report nub 7er: 33125-6N

Page 1 of 1

Sample Number 25432(4166)
Parameter noise dLe8 - hrs.)
Location บริเวณ Boiler Feed Pub p Block 2
Measurement Date May 15, 2025
Measurement by Phongsiri Sob kaew

Tib e	Le8 (dBqA))	Lb ax (dBqA))	L90 (dBqA))
10:00 AM N11:00 AM	54.4	64.0	52.3
11:00 AM N12:00 PM	54.3	63.9	52.3
12:00 PM N01:00 PM	55.9	(6.5	52.2
01:00 PM N02:00 PM	54.0	62.5	52.1
02:00 PM N03:00 PM	53.6	65.2	51.9
03:00 PM N04:00 PM	53.-	(0.2	51.(
04:00 PM N05:00 PM	54.5	69.6	52.1
05:00 PM N06:00 PM	63.2	-9.3	52.-

Le8 Average - hrs. (dBqA))

5(.0

Lb ax (dBqA))

-9.3

Standard (dBqA))

90

140

Reference Method : Based on ISO1996M and 1996N

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543274

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number: 3312593-1

Page 1 of 1

Sample Number 2543274-73
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine Accessories system Block 2
Measurement Date May 13, 2025
Measurement by Phongsiri womkaeS

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	82.7	83.4	82.5
11:00 AM - 12:00 PM	82.6	83.3	82.5
12:00 PM - 01:00 PM	82.8	83.5	82.6
01:00 PM - 02:00 PM	82.9	83.5	82.7
02:00 PM - 03:00 PM	82.8	83.5	82.7
03:00 PM - 04:00 PM	82.9	83.5	82.7
04:00 PM - 05:00 PM	82.7	83.3	82.5
05:00 PM - 06:00 PM	82.7	83.3	82.5

Leq Average 8 hrs. (dB(A))

82.8

Lmax (dB(A))

83.5

wstandard (dB(A))

90

140

Reference Method : Based on IwO1996-1 and 1996-2

wstandard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543274

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number: 3312594-1

Page 1 of 1

Sample Number 2543274-74
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine Accessories system Block 2
Measurement Date May 14, 2025
Measurement by Phongsiri womkaeS

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	82.7	83.5	82.5
11:00 AM - 12:00 PM	82.7	84.9	82.5
12:00 PM - 01:00 PM	82.6	83.4	82.4
01:00 PM - 02:00 PM	82.6	83.2	82.4
02:00 PM - 03:00 PM	82.6	83.3	82.4
03:00 PM - 04:00 PM	82.6	83.2	82.4
04:00 PM - 05:00 PM	82.7	83.4	82.5
05:00 PM - 06:00 PM	82.7	83.4	82.6

Leq Average 8 hrs. (dB(A))

82.7

Lmax (dB(A))

84.9

wstandard (dB(A))

90

140

Reference Method : Based on IwO1996-1 and 1996-2

wstandard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543274

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number: 3312595-1

Page 1 of 1

Sample Number 2543274-75
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine Accessories system Block 2
Measurement Date May 15, 2025
Measurement by Phongsiri womkaeS

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	82.7	83.3	82.5
11:00 AM - 12:00 PM	82.7	83.5	82.5
12:00 PM - 01:00 PM	82.7	83.4	82.6
01:00 PM - 02:00 PM	82.8	83.3	82.6
02:00 PM - 03:00 PM	82.7	83.3	82.5
03:00 PM - 04:00 PM	82.5	83.2	82.3
04:00 PM - 05:00 PM	82.3	83.0	82.2
05:00 PM - 06:00 PM	82.5	83.0	82.3

Leq Average 8 hrs. (dB(A))

82.6

Lmax (dB(A))

83.5

Lstandard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543274

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number: 3312602-1

Page 1 of 1

Sample Number 2543274-(2
Parameter Noise Leq (hrs.)
Location บริเวณ Steam Turbine Generator Block 2
Measurement Date May 13, 2025
Measurement by Phongsiri komkaeS

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	(2.0	(2.5	(1.9
11:00 AM - 12:00 PM	(2.1	(2.6	(1.9
12:00 PM - 01:00 PM	(2.1	(2.6	(2.0
01:00 PM - 02:00 PM	(2.1	(2.5	(2.0
02:00 PM - 03:00 PM	(2.0	(2.6	(1.9
03:00 PM - 04:00 PM	(2.0	(2.6	(1.9
04:00 PM - 05:00 PM	(1.9	(2.3	(1.9
05:00 PM - 06:00 PM	(1.9	(2.4	(1.9

Leq Average (hrs. dB(A))

(2.0

Lmax (dB(A))

(2.6

Lstandard (dB(A))

90

140

Reference Method : Based on ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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Scientist (3)

Wipol Pannichan
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P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543274

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number: 3312603-1

Page 1 of 1

Sample Number 2543274-(3
Parameter Noise d.e8 (hrs.)
Location บริเวณ เขาม Turbine Generator Block 2
Measurement Date May 14, 2025
Measurement by Phongsiri womkaeS

Time	Le8 (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	(2.0	(2.6	(1.9
11:00 AM - 12:00 PM	(2.0	(7.6	(1.9
12:00 PM - 01:00 PM	(2.1	(2.5	(1.9
01:00 PM - 02:00 PM	(2.1	(2.5	(1.9
02:00 PM - 03:00 PM	(2.1	(2.6	(2.0
03:00 PM - 04:00 PM	(2.1	(2.6	(1.9
04:00 PM - 05:00 PM	(2.0	(2.5	(1.9
05:00 PM - 06:00 PM	(2.0	(2.5	(1.9

Le8 Average (hrs. (dB(A))

(2.1

Lmax (dB(A))

(7.6

Standard (dB(A))

90

140

Reference Method : Based on IwO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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OraSan Rakyong
scientist (B)

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S:\Reports_L Air Noise rpt (8:58AM)



Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543274

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number: 3312604-1

Page 1 of 1

Sample Number 2543274-(4
Parameter Noise d.e8 (hrs.)
Location บริเวณ เขาม Turbine Generator Block 2
Measurement Date May 15, 2025
Measurement by Phongsiri womkaeS

Time	Le8 (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	7(.0	7(.9	77.9
11:00 AM - 12:00 PM	77.9	7(.5	77.(
12:00 PM - 01:00 PM	7(.3	(3.9	77.9
01:00 PM - 02:00 PM	7(.0	(0.2	77.7
02:00 PM - 03:00 PM	77.7	7(.4	77.6
03:00 PM - 04:00 PM	77.6	7(.4	77.5
04:00 PM - 05:00 PM	77.6	7(.7	77.5
05:00 PM - 06:00 PM	77.(	7(.4	77.7

Le8 Average (hrs. (dB(A))

77.9

Lmax (dB(A))

(3.9

Standard (dB(A))

90

140

Reference Method : Based on IwO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543275

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report nub 7er: 331262- N

Page 1 of 1

Sample Number 25432(5N)
Parameter noise q.e8 - hrs.)
Location บริเวณ weab Turbine Lu7e Sil wkid Block 2
Measurement Date May 13, 2025
Measurement by Phongsiri wob kaex

Tib e	Le8 qdBqA))	Lb aOqdBqA))	L90 qdBqA))
10:00 AM N11:00 AM	-2.(-	-3.1	-2.6
11:00 AM N12:00 PM	-2.-	-3.2	-2.(-
12:00 PM N01:00 PM	-2.(-	-3.1	-2.6
01:00 PM N02:00 PM	-2.(-	-3.1	-2.6
02:00 PM N03:00 PM	-2.(-	-3.1	-2.6
03:00 PM N04:00 PM	-2.6	-3.0	-2.5
04:00 PM N05:00 PM	-2.6	-3.0	-2.5
05:00 PM N06:00 PM	-2.6	-3.1	-2.6

Le8 Average - hrs. qdBqA))

-2.(-

Lb aOqdBqA))

-3.2

wstandard qdBqA))

90

140

Reference Method : Based on IwS 1996N and 1996N2

wstandard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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Analysis / Test Report

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P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543275

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number: 3312629-1

Page 1 of 1

Sample Number 2543275-2
Parameter Noise (Leq 8 hrs.)
Location บริเวณ weab Turbine Lube Sil wkid Block 2
Measurement Date May 14, 2025
Measurement by Phongsiri womkaex

Time	Leq (dB(A))	LmaO(dB(A))	L90 (dB(A))
10:00 AM ~ 11:00 AM	82.6	83.7	82.5
11:00 AM ~ 12:00 PM	82.8	88.4	82.6
12:00 PM ~ 01:00 PM	82.8	83.3	82.7
01:00 PM ~ 02:00 PM	82.8	83.3	82.7
02:00 PM ~ 03:00 PM	82.8	83.3	82.7
03:00 PM ~ 04:00 PM	82.8	83.2	82.7
04:00 PM ~ 05:00 PM	82.8	83.2	82.7
05:00 PM ~ 06:00 PM	82.8	83.2	82.7

Leq Average 8 hrs. (dB(A))

82.8

LmaO(dB(A))

88.4

wstandard (dB(A))

90

140

Reference Method : Based on IwS 1996-1 and 1996-2

wstandard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2543275
Date Received : May 16, 2025
Date Reported : May 22, 2025
Report Number: 3312630-1

Page 1 of 1

Sample Number 2543275-3
Parameter Noise (Leq 8 hrs.)
Location บริเวณ wteam Turbine Lube Sil wkid Block 2
Measurement Date May 15, 2025
Measurement by Phongsiri womkaex

Time	Leq (dB(A))	LmaO(dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	82.7	83.2	82.6
11:00 AM - 12:00 PM	82.7	83.1	82.6
12:00 PM - 01:00 PM	83.3	83.8	82.8
01:00 PM - 02:00 PM	82.6	85.1	82.4
02:00 PM - 03:00 PM	82.4	83.0	82.2
03:00 PM - 04:00 PM	82.3	82.8	82.2
04:00 PM - 05:00 PM	82.3	83.0	82.2
05:00 PM - 06:00 PM	82.5	83.0	82.4

Leq Average 8 hrs. (dB(A)) 82.6
LmaO(dB(A)) 85.1
wstandard (dB(A)) 90
Reference Method : Based on IwS1996-1 and 1996-2
wstandard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2543275
Date Received : May 16, 2025
Date Reported : May 22, 2025
Report nub 7er: 331263- N

Page 1 of 1

Sample Number 25432-5N10
Parameter noise (Leq 8 hrs.)
Location บริเวณ Air Cob pressor Block 2
Measurement Date May 13, 2025
Measurement by Phongsiri wob kaeS

Tib e	Leq (dB(A))	Lb ax (dB(A))	L90 (dB(A))
10:00 AM N11:00 AM	--.6	89.1	-5.6
11:00 AM N12:00 PM	--.1	89.3	-5.8
12:00 PM N01:00 PM	-6.6	89.8	-5.9
01:00 PM N02:00 PM	-6.8	90.2	-6.0
02:00 PM N03:00 PM	--.0	89.4	-6.1
03:00 PM N04:00 PM	--.3	90.8	-6.3
04:00 PM N05:00 PM	-6.-	90.-	-6.1
05:00 PM N06:00 PM	-6.6	90.6	-5.9

Leq Average 8 hrs. (dB(A)) --.0
Lb ax (dB(A)) 90.8
wstandard (dB(A)) 90
Reference Method : Based on IwO1996N1 and 1996N2
wstandard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543275

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report nub 7er: 331263-N

Page 1 of 1

Sample Number 25432(5N1)
Parameter noise qLe8 - hrs.)
Location บริเวณ Air Cob pressor Block 2
Measurement Date May 14, 2025
Measurement by Phongsiri wob kaeS

Tib e	Le8 qdB(A))	Lb ax qdB(A))	L90 qdB(A))
10:00 AM N11:00 AM	(- .5	92.0	(6.6
11:00 AM N12:00 PM	(9.3	-9.6	(6.0
12:00 PM N01:00 PM	(- .0	-9.3	(6.2
01:00 PM N02:00 PM	(- .6	-9.3	(6.3
02:00 PM N03:00 PM	(- .5	-9.3	(6.-
03:00 PM N04:00 PM	(- .5	-9.4	(6.9
04:00 PM N05:00 PM	(- .6	-9.4	((.5
05:00 PM N06:00 PM	(- .5	-9.2	(5.-

Le8 Average - hrs. qdB(A))

(- .6

Lb ax qdB(A))

92.0

Standard qdB(A))

90

140

Reference Method : Based on IwO1996N and 1996N2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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Analysis / Test Report

Client: Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhsaiyuthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2543275

Date Received : May 16, 2025

Date Reported : May 22, 2025

Report Number: 3312639-1

Page 1 of 1

Sample Number 2543275-12
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Air Compressor Block 2
Measurement Date May 15, 2025
Measurement by Phongsiri womkaeS

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	77.2	89.8	75.3
11:00 AM - 12:00 PM	75.8	89.7	75.0
12:00 PM - 01:00 PM	79.8	92.2	75.2
01:00 PM - 02:00 PM	80.2	91.4	74.7
02:00 PM - 03:00 PM	80.2	92.0	78.1
03:00 PM - 04:00 PM	80.4	92.6	78.9
04:00 PM - 05:00 PM	80.3	92.5	75.7
05:00 PM - 06:00 PM	78.1	91.3	76.9

Leq Average 8 hrs. (dB(A))

79.3

Lmax (dB(A))

92.6

Standard (dB(A))

90

140

Reference Method : Based on IwO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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Technical Management

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Scientist (3)

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Analysis / Test Report

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999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2543275
Date Received : May 16, 2025
Date Reported : May 22, 2025
Report Number: 3312646-1

Page 1 of 1

Sample Number 2543275-19
Parameter Noise (Leq 8 hrs.)
Location บังคับ Gas Compressor (ปลาทู)
Measurement Date May 13, 2025
Measurement by Phongsiri vomkaeS

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	67.2	75.9	67.0
11:00 AM - 12:00 PM	67.3	72.8	67.0
12:00 PM - 01:00 PM	67.2	71.0	67.0
01:00 PM - 02:00 PM	67.2	70.6	67.0
02:00 PM - 03:00 PM	67.5	73.5	66.9
03:00 PM - 04:00 PM	67.3	71.8	67.0
04:00 PM - 05:00 PM	67.2	71.8	67.0
05:00 PM - 06:00 PM	67.3	70.2	67.1

Leq Average 8 hrs. (dB(A)) 67.3
Lmax (dB(A)) 75.9
L90 (dB(A)) 67.1
wstandard (dB(A)) 90
Reference Method : Based on IwD1996-1 and 1996-2
wstandard : ตรวจวัดระดับเสียงรบกวนในเวลากลางวันและกลางคืน
ณ บริเวณบึงกุ่ม กรุงเทพมหานคร วันที่ 13 พฤษภาคม พ.ศ. 2568

Technical Management

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999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2543275
Date Received : May 16, 2025
Date Reported : May 22, 2025
Report nub 7er: 331264-N

Page 1 of 1

Sample Number 25432-5N20
Parameter noise (Leq 8 hrs.)
Location บังคับ Gas Compressor (ปลาทู)
Measurement Date May 14, 2025
Measurement by Phongsiri vomkaeS

Time	Leq (dB(A))	Lb ax (dB(A))	L90 (dB(A))
10:00 AM N11:00 AM	-5.4	88.4	6-.1
11:00 AM N12:00 PM	-4.9	102.-	6-.4
12:00 PM N01:00 PM	68.3	-2.8	6-.4
01:00 PM N02:00 PM	6-.6	69.6	6-.4
02:00 PM N03:00 PM	6-.6	-0.8	6-.3
03:00 PM N04:00 PM	6-.4	-0.3	6-.2
04:00 PM N05:00 PM	6-.5	-3.1	6-.1
05:00 PM N06:00 PM	6-.4	-2.8	6-.2

Leq Average 8 hrs. (dB(A)) -1.0
Lb ax (dB(A)) 102.-
L90 (dB(A)) 67.1
wstandard (dB(A)) 90
Reference Method : Based on IwD1996N and 1996N
wstandard : ตรวจวัดระดับเสียงรบกวนในเวลากลางวันและกลางคืน
ณ บริเวณบึงกุ่ม กรุงเทพมหานคร วันที่ 14 พฤษภาคม พ.ศ. 2568

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Project Location : GUT

Report number: 331264-N

Page 1 of 1

Sample Number	25432(5N21
Parameter	noise d.e8 - hrs.)
Location	บริเวณ Gas Cob pressor ฉุกเฉิน)
Measurement Date	May 15, 2025
Measurement by	Phongsiri wob kaeS

Tib e	Le8 qdBqA))	Lb ax qdBqA))	L90 qdBqA))
10:00 AM N11:00 AM	6(.1	69(.	66.9
11:00 AM N12:00 PM	6(.3	3.-	6(.1
12:00 PM N01:00 PM	6(.3	69.9	6(.0
01:00 PM N02:00 PM	6(.3	0.2	6(.1
02:00 PM N03:00 PM	6(.6	3.2	6(.1
03:00 PM N04:00 PM	6(.5	2.5	6(.1
04:00 PM N05:00 PM	6(.3	3.4	6(.1
05:00 PM N06:00 PM	6(.4	1.2	6(.2

Le8 Average - hrs. @dBqA))

Lb ax qdBqA))

standard (dBqA))

Reference Method : Based on IwO1996N1 and 1996N2

พลาซาด : จรัล กต. รสรวณีย์ คคศ. รร. เบลล์ กั จุ กรณีะกรมทวัก ๕ มปปช

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ภาคผนวก ค-6

คุณภาพน้ำผิวดิน



Analysis / Test Report

TESTING
No.0009

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 24143946
Date Received : Jan 06, 2025
Date Reported : Jan 10, 2025
Report Number : 3201897-1

Page 1 of 2

Sample Number 24143946-1
Sampled Date Jan 06, 2025 9:00 AM
Sample Description Wastewater
Location บ่อกักน้ำไหลเป็น
Date Analysis Commenced Jan 07, 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
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.001	≤2.0	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	0.08	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
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		-	-	7.3	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	-	-	23.1	≤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	1392	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	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 : Aitipon Yaso ทะเบียนเลขที่ 7-204-จ-0059

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit)

Technical Management

Scientist (3)
ทะเบียนเลขที่ 7-204-จ-0018

Assistant General Manager
ทะเบียนเลขที่ 7-204-จ-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 24143946
Date Received : Jan 06, 2025
Date Reported : Jan 10, 2025
Report Number : 3201897-1

Page 2 of 2

- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

ทะเบียนเลขที่ 7-204-จ-0018

ทะเบียนเลขที่ 7-204-จ-0004

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Analysis / Test Report

TESTING

No.0009

Lot ID: 24143948

Date Received : Jan 06, 2025

Date Reported : Jan 10, 2025

Report Number : 3201902-1

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location: GUT

Page 1 of 2

Sample Number	24143948-1						
Sampled Date	Jan 06, 2025 9:15 AM						
Sample Description	Wastewater						
Location	บ่อกำจัดน้ำทิ้ง						
Date Analysis Commenced	Jan 07, 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
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.04	≤2.0	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	0.27	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
Oil & Grease	mg/L	-	3	4	≤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		-	-	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	-	-	28.2	≤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	248	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	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 ทะเบียนเลขที่ ๖-204-๖-0059

Remark :

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

Technical Management

Scientist (3)
ทะเบียนเลขที่ ๖-204-๖-0018

Assistant General Manager
ทะเบียนเลขที่ ๖-204-๖-0004

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Analysis / Test Report

TESTING

No.0009

Lot ID: 24143948

Date Received : Jan 06, 2025

Date Reported : Jan 10, 2025

Report Number : 3201902-1

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location: GUT

Page 2 of 2

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- * The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

ทะเบียนเลขที่ ๖-204-๖-0018

ทะเบียนเลขที่ ๖-204-๖-0004

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Prakhonsiyuthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location: GUT



TESTING
No.0009
Lot ID: 2511875
cate Reveiled : 6eD 10, 2025
cate Reported : 6eD 15, 2025
Report NumDer : 3227244-1

Page 1 of 2

Sample Number 25117b5-1
Sampled Date 6eD 10, 2025 9:15 AM
Sample Description Wastewater
Location ปล่อยน้ำพลัดขึ้น
Date Analysis Commenced 6eD 11, 2025
Condition of Sample Contained in one amDer glass Dottle and two plastiv Dottles, sample vontainers vompoly to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.002	F 2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WE6, 24th ed., 2023, part 3125 B,3030 6	Bangkok
Iron	mg/L	0.003	0.005	0.03	F 5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WE6, 24th ed., 2023, part 3125 B,3030 6	Bangkok
Water Testing							
Zil & Grease	mg/L	-	3	O3	F 5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WE6, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	b.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WE6, 24th ed., 2023, part 4500 - H (B)	Bangkok
Residual Free Chlorine <	mg/L	-	0.1	O0.1	F 1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WE6, 24th ed., 2023, part 4500-Cl (6)	Bangkok
Temperature <	c egree C	-	-	24.3	F 40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WE6, 24th ed., 2023, part 2550 B	Bangkok
Total dissolved solids dried at 170 degree C	mg/L	-	5	1*20	F 3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WE6, 24th ed., 2023, part 2540 C	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set Dy Notification of the Ministry of Natural Resourve and En8ironment and effluent standard for factories and industrial park set Dy Notification of The Ministry of Industry dated June 0b, B.E.25*0 (201b).

Sampling By : Aittipon Yaso เลขที่ 7-204-7-0059

Remark :

- LZ c : Limit of c etevion
- "O" : Lower than LZQ (Lim

Technical Management

Speialist 2
เลขที่ 7-204-7-0010

Assistant General Manager
เลขที่ 7-204-7-0004

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Prakhonsiyuthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location: GUT



TESTING
No.0009
Lot ID: 2511875
cate Reveiled : 6eD 10, 2025
cate Reported : 6eD 15, 2025
Report NumDer : 3227244-1

Page 2 of 2

- Analyte(s) marked <Is/are not invluded in scope of Avvreditation ISZ/IEC 1b025.

Technical Management

Speialist 2
เลขที่ 7-204-7-0010

Assistant General Manager
เลขที่ 7-204-7-0004

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhsaiyuthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT



TESTING
No.0009
Lot ID: 2511876
cate Revei-ed : 6eD 10, 2025
cate Reported : 6eD 15, 2025
Report bu8 Der : 322N245ra

Page 1 of 2

Sample Number	2511MWRd
Sampled Date	6eD 10, 2025 9:25 AM
Sample Description	น้ำดื่ม
Location	สำนักงาน
Date Analysis Commenced	6eD 11, 2025
Condition of Sample	Contained in one a8 Der glass Dottle and t o plastiv Dottles, sa8 ple vontainers vo8 ply to pretreat8 ent rpres-ation standards HAPSA, U) EPAX

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	8 g/L	0.0003	0.0005	0.09	≤2.0	Standard Methods for the E8a8 ination of u ater and u asté ater. APSA, Au u A F u E6, 24th ed., 2023, part 3125 B,3030 6	Bangkok
Zinv	8 g/L	0.003	0.005	0.53	≤5.0	Standard Methods for the E8a8 ination of u ater and u asté ater. APSA, Au u A F u E6, 24th ed., 2023, part 3125 B,3030 6	Bangkok
Water Testing							
Oil F Grease	8 g/L	m	3	* 3	≤5	Standard Methods for the E8a8 ination of u ater and u asté ater. APSA, Au u A F u E6, 24th ed., 2023, part 5520 B	Bangkok
pS at 25 degree C		m	m	WW	5.5#0.0	Standard Methods for the E8a8 ination of u ater and u asté ater. APSA, Au u A F u E6, 24th ed., 2023, part 4500 m6 Hx	Bangkok
Residual free Chlorine <	8 g/L	m	0.1	* 0.1	≤1.0	Standard Methods for the E8a8 ination of u ater and u asté ater. APSA, Au u A F u E6, 24th ed., 2023, part 4500m6 Hx	Bangkok
Te8 perature <	c egree C	m	m	29.w	≤40	Standard Methods for the E8a8 ination of u ater and u asté ater. APSA, Au u A F u E6, 24th ed., 2023, part 2550 B	Bangkok
Total c issol-ed solids c ried at 1N0 degree C	8 g/L	m	5	3NN	≤3000	Standard Methods for the E8a8 ination of u ater and u asté ater. APSA, Au u A F u E6, 24th ed., 2023, part 2540 C	Bangkok

Guideline : Effluent standard for favories, industrial estate and industrial park set Dy botifivation of the Ministry of batural Resourve and En-iron8 ent and effluent standard for favories and industrial park set Dy botifivation of The Ministry of Industry dated June 0W B.E.25w0 H201W.

Sampling By : Aittipon Yaso งะเข็ญ เลอญ์ วา804กา80059

Re8 ark :
- LOC : U8 It of c etevion
- " " : Ld er than LOQ HUB It

Technical Management

Specialist 2
งะเข็ญ เลอญ์ วา804กา80010

Assistant General Manager
งะเข็ญ เลอญ์ วา804กา80004

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Analysis / Test Report

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhsaiyuthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT



TESTING
No.0009
Lot ID: 2511876
cate Revei-ed : 6eD 10, 2025
cate Reported : 6eD 15, 2025
Report bu8 Der : 322N245ra

Page 2 of 2

- AnalyteHx 8 arké <is/are not Invlued in s vope of Awreditation I) O/IEC 1W025.

Technical Management

Specialist 2
งะเข็ญ เลอญ์ วา804กา80010

Assistant General Manager
งะเข็ญ เลอญ์ วา804กา80004

Results apply to the sa8 pleHx as su88 ited, unless the sa8 pling as vduated Dy AL). The report shall not De reproduced e8e8pt in full "thout the" ritten appro-al of the laboratory.

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2518027
Date Received : Mar 10, 2025
Date Reported : Mar 14, 2025
Report Number : 3243094-1

Page 1 of 2

Sample Number 2518027-1
Sampled Date Mar 10, 2025 9:05 AM
Sample Description Wastewater
Location บ่อพักน้ำหล่อเย็น
Date Analysis Commenced Mar 11, 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
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.003	≤2.0	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	0.04	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Water Testing							
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	-	-	-	7.4	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	-	-	28.9	≤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	1280	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	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 : Thitiwan Alimurai ทะเบียนเลขที่ ว-204-ก-0148

Remark :
- LOD : Limit of Detection

Technical Management

Manager
ทะเบียนเลขที่ ว-204-ก-0007

Assistant General Manager
ทะเบียนเลขที่ ว-204-ก-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2518027
Date Received : Mar 10, 2025
Date Reported : Mar 14, 2025
Report Number : 3243094-1

Page 2 of 2

- "<" : 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

ทะเบียนเลขที่ ว-204-ก-0007

ทะเบียนเลขที่ ว-204-ก-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2518031
Date Received : Mar 10, 2025
Date Reported : Mar 14, 2025
Report Number : 3243096-1

Page 1 of 2

Sample Number	2518031-1						
Sampled Date	Mar 10, 2025 9:25 AM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้ง						
Date Analysis Commenced	Mar 11, 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
Metals Testing							
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
Zinc	mg/L	0.003	0.005	0.18	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
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		-	-	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	-	-	32.0	≤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	412	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	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 : ทีมงาน Aimurai ทะเบียนเลขที่ 7-204-ก-0148

Remark :

- LOD : Limit of Detection

Technical Management

Manager
ทะเบียนเลขที่ 7-204-ก-0007

Assistant General Manager
ทะเบียนเลขที่ 7-204-ก-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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S:\Reports\MatRef_AIL_GL.rpt (7:03PM)



Analysis / Test Report

TESTING
No.0009

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2518031
Date Received : Mar 10, 2025
Date Reported : Mar 14, 2025
Report Number : 3243096-1

Page 2 of 2

- "<" : 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

ทะเบียนเลขที่ 7-204-ก-0007

ทะเบียนเลขที่ 7-204-ก-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2530421
Gate ReDeiced : Apr 04, 2025
Gate Reported : Apr 09, 2025
Report - uN mer : 32v088171

Page 1 of 2

Sample Number 253042171
Sampled Date Apr 04, 2025 9:10 AM
Sample Description b asteWater
Location พนฉพพท พนฉพ
Date Analysis Commenced Apr 05, 2025
Condition of Sample Contained in one an ner glass nottle and three plastiDnottles, saN ple Dntainers DoN ply to pretreatNent 7 presercation standards
* AP(A, UHEPAS

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	Ng/L	0.0003	0.0005	0.002	F 2.0	Htandard Methods for the E)anNination of b ater and b asteWater. AP(A, Ab b A x b E&, 24th ed., 2023, part 3125 B,3030 &	Bangkok
sinD	Ng/L	0.003	0.005	0.05	F 5.0	Htandard Methods for the E)anNination of b ater and b asteWater. AP(A, Ab b A x b E&, 24th ed., 2023, part 3125 B,3030 &	Bangkok
Water Testing							
Z il x Grease	Ng/L	7	3	O3	F 5	Htandard Methods for the E)anNination of b ater and b asteWater. AP(A, Ab b A x b E&, 24th ed., 2023, part 5520 B	Bangkok
p(at 25 degree C		7	7	<.8	5.579.0	Htandard Methods for the E)anNination of b ater and b asteWater. AP(A, Ab b A x b E&, 24th ed., 2023, part 4500 7(" BS	Bangkok
Residual &ree Chlorine *	Ng/L	7	0.1	O0.1	F 1.0	Htandard Methods for the E)anNination of b ater and b asteWater. AP(A, Ab b A x b E&, 24th ed., 2023, part 45007Cf &S	Bangkok
TeN perature *	6egree C	7	7	31.v	F 40	Htandard Methods for the E)anNination of b ater and b asteWater. AP(A, Ab b A x b E&, 24th ed., 2023, part 2550 B	Bangkok
Total &issolced solids &ried at 180 degree C	Ng/L	7	5	1312	F 3000	Htandard Methods for the E)anNination of b ater and b asteWater. AP(A, Ab b A x b E&, 24th ed., 2023, part 2540 C	Bangkok

Guideline : Effluent standard for faDories, industrial estate and industrial park set my - otification of the Ministry of - atural ResourDe and EncironNent and effluent standard for faDories and industrial park set my - otification of The Ministry of Industry dated June 0v, B.E.25<7 201vS
Sampling By : Aittipon Yaso ทะสพ นลนพท 72047&70059

ReNark :
- LZ6 : LUN it of 6eteDtion
- "O" : LoWer than LZQ LUN it

Technical Management

Manager
ทะสพ นลนพท 72047&7000v

Assistant General Manager
ทะสพ นลนพท 72047&70004

Results apply to the saNple s&as suN itted, unless the saNpling Was Donducted ny ALH. The report shall not ne reproduced e)Dpt in full Without the Written approval of the l&mentary.

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2530421
Gate ReDeiced : Apr 04, 2025
Gate Reported : Apr 09, 2025
Report - uN mer : 32v088171

Page 2 of 2

* Analyt& sSNarked * Is/are not InDuded in sDope of aDreditation I&Z /IEC 1v025.
* HaN pling is not InDuded in sDope of aDreditation I&Z /IEC 1v025

Technical Management

Manager
ทะสพ นลนพท 72047&7000v

Assistant General Manager
ทะสพ นลนพท 72047&70004

Results apply to the saNple s&as suN itted, unless the saNpling Was Donducted ny ALH. The report shall not ne reproduced e)Dpt in full Without the Written approval of the l&mentary.

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2530422
Gate ReDeiced : Apr 04, 2025
Gate Reported : Apr 09, 2025
Report number : 32v0--2N

Page 1 of 2

Sample Number 2530422N
Sampled Date Apr 04, 2025 9:20 AM
Sample Description Wastewater
Location ปลวกน้ำทิ้ง
Date Analysis Commenced Apr 05, 2025
Condition of Sample Contained In one ab 8er glass 8ottle and two plastiD8ottles, sab ple Containers Dob ply to pretreatb ent Npresercation standards 7AP(A, UHEPAS

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	b g/L	0.0003	0.0005	0.05	F 2.0	Htandard Methods for the E)ab ination of Water and Wastewater. AP(A, AWWA x WE8, 24th ed., 2023, part 3125 B,3030 &	Bangkok
sinD	b g/L	0.003	0.005	0.2v	F 5.0	Htandard Methods for the E)ab ination of Water and Wastewater. AP(A, AWWA x WE8, 24th ed., 2023, part 3125 B,3030 &	Bangkok
Water Testing							
Zil x Grease	b g/L	N	3	5	F 5	Htandard Methods for the E)ab ination of Water and Wastewater. AP(A, AWWA x WE8, 24th ed., 2023, part 5520 B	Bangkok
p(at 25 degree C		N	N	v.v	5.5N.0	Htandard Methods for the E)ab ination of Water and Wastewater. AP(A, AWWA x WE8, 24th ed., 2023, part 4500 N(785	Bangkok
Residual 8ree Chlorine O	b g/L	N	0.1	* 0.1	F 1.0	Htandard Methods for the E)ab ination of Water and Wastewater. AP(A, AWWA x WE8, 24th ed., 2023, part 4500NCI 785	Bangkok
Teb perature O	6egree C	N	N	32.9	F 40	Htandard Methods for the E)ab ination of Water and Wastewater. AP(A, AWWA x WE8, 24th ed., 2023, part 2550 B	Bangkok
Total 6issolved solids 6ried at 1-0 degree C	b g/L	N	5	400	F 3000	Htandard Methods for the E)ab ination of Water and Wastewater. AP(A, AWWA x WE8, 24th ed., 2023, part 2540 C	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 0v, B.E.25-0 7201vS

Sampling By : Altipon Yaso ทะเบียนเลขที่ ๖๙04๙๙0009

Remark :
- LZ 6 : Lib it of 6eteDion
- "e " : Lower than LZQ ๙lib it o

Technical Management

Manager
ทะเบียนเลขที่ ๖๙04๙๙000v

Assistant General Manager
ทะเบียนเลขที่ ๖๙04๙๙0004

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TESTING
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Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2530422
Gate ReDeiced : Apr 04, 2025
Gate Reported : Apr 09, 2025
Report number : 32v0--2N

Page 2 of 2

- Analyte&Sbarked Ois/are not InDuded In sDpe of aDreditation 1H2/IEC 1v025.
- Hab pling is not InDuded In sDpe of aDreditation 1H2/IEC 1v025

Technical Management

ทะเบียนเลขที่ ๖๙04๙๙000v

ทะเบียนเลขที่ ๖๙04๙๙0004

Results apply to the sub plicSas sub itted, unless the sab pling was Dinduced By ALH The report shall not be reproduced e)Dpt in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2542815
Gate ReDeiced : May 09, 2025
Gate Reported : May 15, 2025
Report 7 u- Ner : 3299v398l

Page 1 of 2

Sample Number	2542v158l
Sampled Date	May 09, 2025 9:15 AM
Sample Description	masteb ater
Location	W& ภูมิลำเนา
Date Analysis Commenced	May 10, 2025
Condition of Sample	Contained in tbo plastiDNottles and one a- Ner glass Nottle, sa- ple Containers Co- ply to pretreat- ent 8presercation standards uAP A, U(EPAH

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	- g/L	0.0003	0.0005	0.004	&2.0	(tandard Methods for the ESa- ination of mater and masteb ater. AP A, AmmA) mEx, 24th ed., 2023, part 3125 B,3030 x	Bangkok
FinD	- g/L	0.003	0.005	0.05	&5.0	(tandard Methods for the ESa- ination of mater and masteb ater. AP A, AmmA) mEx, 24th ed., 2023, part 3125 B,3030 x	Bangkok
Water Testing							
≤ll) Grease	- g/L	8	3	Z3	&5	(tandard Methods for the ESa- ination of mater and masteb ater. AP A, AmmA) mEx, 24th ed., 2023, part 5520 B	Bangkok
ภู at 25 degree C		8	8	Q.<	5.5&9.0	(tandard Methods for the ESa- ination of mater and masteb ater. AP A, AmmA) mEx, 24th ed., 2023, part 4500 8 t&H	Bangkok
Residual xree Chlorine *	- g/L	8	0.1	Z0.1	&1.0	(tandard Methods for the ESa- ination of mater and masteb ater. AP A, AmmA) mEx, 24th ed., 2023, part 4500&C1 u&H	Bangkok
Te- perature *	6egree C	8	8	32.3	&40	(tandard Methods for the ESa- ination of mater and masteb ater. AP A, AmmA) mEx, 24th ed., 2023, part 2550 B	Bangkok
Total Gissolved solids Gried at 1v0 degree C	- g/L	8	5	9v0	&3000	(tandard Methods for the ESa- ination of mater and masteb ater. AP A, AmmA) mEx, 24th ed., 2023, part 2540 C	Bangkok

Guideline : Effluent standard for fa&ories, industrial estate and industrial park set Ny 7otification of the Ministry of 7atural Resour&e and Enclron- ent and effluent standard for fa&ories and industrial park set Ny 7otification of The Ministry of Industry dated June 0Q B.E.25<0 t201CH

Sampling By : Aittipon Yaso ภูมิลำเนา ภูมิลำเนา204&8&0059

Re- ark :
* L≤6 : U- it of 6ete&ion
* "Z" : Lober than L&Q ภูมิลำเนา

Technical Management

Manager
ภูมิลำเนา ภูมิลำเนา 204&8&0000

Assistant General Manager
ภูมิลำเนา ภูมิลำเนา 204&8&0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2542815
Gate ReDeiced : May 09, 2025
Gate Reported : May 15, 2025
Report 7 u- Ner : 3299v398l

Page 2 of 2

- Analyte&H- ark&ed * is/are not in&cluded in s&cope of a&ccreditation I(≤/IEC 10025.
- (a- pling is not in&cluded in s&cope of a&ccreditation I(≤/IEC 10025

Technical Management

Manager
ภูมิลำเนา ภูมิลำเนา 204&8&0000

Assistant General Manager
ภูมิลำเนา ภูมิลำเนา 204&8&0004

Results apply to the sa- ple&as sub- itted, unless the sa- pling bas D&nduct&d Ny AL. The report shall not Ne reproduced e&cept in full b&thout the britten approval of the laboratory.

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2542816
Gate Rediced : May 09, 2025
Gate Reported : May 15, 2025
Report Number : 3299v41-1

Page 1 of 2

Sample Number	2542v18-1						
Sampled Date	May 09, 2025 9:25 AM						
Sample Description	Wastewater						
Location	บ่อกักน้ำทิ้ง						
Date Analysis Commenced	May 10, 2025						
Condition of Sample	Contained in two plastic bottles and one amber glass bottle, sample Containers Comply to pretreatment - preservation standards 7AP(A, UHEPAS						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.02	F 2.0	Standard Methods for the Examination of Water and Wastewater. AP(A, AWWA x WE&, 24th ed., 2023, part 3125 B,3030 &	Bangkok
SnD	mg/L	0.003	0.005	0.12	F 5.0	Standard Methods for the Examination of Water and Wastewater. AP(A, AWWA x WE&, 24th ed., 2023, part 3125 B,3030 &	Bangkok
Water Testing							
Zll x Grease	mg/L	-	3	O3	F 5	Standard Methods for the Examination of Water and Wastewater. AP(A, AWWA x WE&, 24th ed., 2023, part 5520 B	Bangkok
p(at 25 degree C		-	-	v.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. AP(A, AWWA x WE&, 24th ed., 2023, part 4500 - (785	Bangkok
Residual &ree Chlorine *	mg/L	-	0.1	OO.1	F 1.0	Standard Methods for the Examination of Water and Wastewater. AP(A, AWWA x WE&, 24th ed., 2023, part 4500-Cl 785	Bangkok
Temperature *	6egree C	-	-	34.3	F 40	Standard Methods for the Examination of Water and Wastewater. AP(A, AWWA x WE&, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids dried at 1v0 degree C	mg/L	-	5	398	F 3000	Standard Methods for the Examination of Water and Wastewater. AP(A, AWWA x WE&, 24th ed., 2023, part 2540 C	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 0< B.E.2580 7201<S

Sampling By : Aittipon Yaso ทะเบียนเลขที่ 7-204-ก-0059

Remark :

- LZ6 : Limit of detection
- "O" : Lower than LZQ limit

Technical Management

Manager
ทะเบียนเลขที่ 7-204-ก-000<

Assistant General Manager
ทะเบียนเลขที่ 7-204-ก-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2542816
Gate Rediced : May 09, 2025
Gate Reported : May 15, 2025
Report Number : 3299v41-1

Page 2 of 2

- Analyte(s) marked * is/are not included in scope of Accreditation IZ/IEC 1<025.
- Hempling is not included in scope of accreditation IZ/IEC 1<025

Technical Management

ทะเบียนเลขที่ 7-204-ก-000<

ทะเบียนเลขที่ 7-204-ก-0004

Results apply to the sample(s) submitted, unless the sampling was conducted by ALS. The report shall not be reproduced e) Dept in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2548301
Gate ReDeiced : Jun 09, 2025
Gate Reported : Jun 13, 2025
Report 7 u- Ner : 331129v8l

Page 1 of 2

Sample Number 254m8018t
Sampled Date Jun 09, 2025 9:25 AM
Sample Description b asteWater
Location พ่นฉนวนที่อาคาร ๒
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in two plastic bottles and one a- Ner glass Nottle, sa- ple Containers Do- ply to pretreat- ent 8 preservation standards
* AP(A, UHEPAS

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	- g/L	0.0003	0.0005	0.002	F 2.0	Standard Methods for the (E)a- ination of b ater and b asteWater. AP(A, Ab b A x b E8, 24th ed., 2023, part 3125 B,3030 &	Bangkok
sinD	- g/L	0.003	0.005	0.02	F 5.0	Standard Methods for the (E)a- ination of b ater and b asteWater. AP(A, Ab b A x b E8, 24th ed., 2023, part 3125 B,3030 &	Bangkok
Water Testing							
Z il x Grease	- g/L	8	3	O3	F 5	Standard Methods for the (E)a- ination of b ater and b asteWater. AP(A, Ab b A x b E8, 24th ed., 2023, part 5520 B	Bangkok
p(at 25 degree C		8	8	<3	5.58.0	Standard Methods for the (E)a- ination of b ater and b asteWater. AP(A, Ab b A x b E8, 24th ed., 2023, part 4500 8(" BS	Bangkok
Residual &ree Chlorine *	- g/L	8	0.1	00.1	F 1.0	Standard Methods for the (E)a- ination of b ater and b asteWater. AP(A, Ab b A x b E8, 24th ed., 2023, part 45008Cf &S	Bangkok
Te- perature *	6egree C	8	8	32.m	F 40	Standard Methods for the (E)a- ination of b ater and b asteWater. AP(A, Ab b A x b E8, 24th ed., 2023, part 2550 B	Bangkok
Total 6 issolved solids 6ried at 1n0 degree C	- g/L	8	5	mm0	F 3000	Standard Methods for the (E)a- ination of b ater and b asteWater. AP(A, Ab b A x b E8, 24th ed., 2023, part 2540 C	Bangkok

Guideline : Effluent standard for faDories, industrial estate and industrial park set Ny 7otification of the Ministry of 7atural ResourDe and Enciron- ent and effluent standard for faDories and industrial park set Ny 7otification of The Ministry of Industry dated June 0<, B.E.25v0f 201<S

Sampling By : Aittipon Yaso ทะเลสาบ ๒๕04๘๓๐059

Re- ark :
- LZ 6 : U- it of GateDion
- "O" : LoWer than LZ Q' U- it

Technical Management

Manager
ทะเลสาบ ๒๕04๘๓๐00<

Assistant General Manager
ทะเลสาบ ๒๕04๘๓๐004

Results apply to the sa- ple s as su- itted, unless the sa- pling Was Dondued Ny ALH. The report shall not Ne reproduced e)Dpt in full Without the Written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP UT Co., Ltd.
999 Moo 1, Ban Chang, Uthai, Pranakhsaiyutthaya Thailand 13210
P/O : 4102004523
Project Name : Monitoring EIA
Project Location : GUT

Lot ID: 2548301
Gate ReDeiced : Jun 09, 2025
Gate Reported : Jun 13, 2025
Report 7 u- Ner : 331129v8l

Page 2 of 2

* Analyte s- arked * is/are not inDuded in sDope of aDDreditation IHz /IEC 1<025.
* Ha- pling is not inDuded in sDope of aDDreditation IHz /IEC 1<025

Technical Management

Manager
ทะเลสาบ ๒๕04๘๓๐00<

Assistant General Manager
ทะเลสาบ ๒๕04๘๓๐004

Results apply to the sa- ple s as su- itted, unless the sa- pling Was Dondued Ny ALH. The report shall not Ne reproduced e)Dpt in full Without the Written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0009

Client : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2548302

Gate Received : Jun 09, 2025

Gate Reported : Jun 13, 2025

Report - uN mer : 3311300M

Page 1 of 2

Sample Number	254b302v1
Sampled Date	Jun 09, 2025 9:35 AM
Sample Description	8 asteWater
Location	พบน้ำปนเปื้อน
Date Analysis Commenced	Jun 10, 2025
Condition of Sample	Contained in two plastic bottles and one amber glass bottle, sample Containers DoN ply to pretreatment v preservation standards AP7A, U(EPAH

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	Ng/L	0.0003	0.0005	0.03	&2.0	(tandard Methods for the ESaN ination of 8 ater and 8 asteWater. AP7A, A8 8 A) 8 Ex, 24th ed., 2023, part 3125 B,3030 x	Bangkok
FinD	Ng/L	0.003	0.005	0.11	&5.0	(tandard Methods for the ESaN ination of 8 ater and 8 asteWater. AP7A, A8 8 A) 8 Ex, 24th ed., 2023, part 3125 B,3030 x	Bangkok
Water Testing							
sil) Grease	Ng/L	v	3	Z3	&5	(tandard Methods for the ESaN ination of 8 ater and 8 asteWater. AP7A, A8 8 A) 8 Ex, 24th ed., 2023, part 5520 B	Bangkok
p7 at 25 degree C		v	v	Qb	5.5v9.0	(tandard Methods for the ESaN ination of 8 ater and 8 asteWater. AP7A, A8 8 A) 8 Ex, 24th ed., 2023, part 4500 v7 aBH	Bangkok
Residual xree Chlorine *	Ng/L	v	0.1	Z0.1	&1.0	(tandard Methods for the ESaN ination of 8 ater and 8 asteWater. AP7A, A8 8 A) 8 Ex, 24th ed., 2023, part 4500vCI aBH	Bangkok
TeNperature *	6egree C	v	v	33.b	&40	(tandard Methods for the ESaN ination of 8 ater and 8 asteWater. AP7A, A8 8 A) 8 Ex, 24th ed., 2023, part 2550 B	Bangkok
Total 6 issolved solids 6ried at 1b0 degree C	Ng/L	v	5	2bb	&3000	(tandard Methods for the ESaN ination of 8 ater and 8 asteWater. AP7A, A8 8 A) 8 Ex, 24th ed., 2023, part 2540 C	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set ny - otification of the Ministry of - atural ResourDe and EncironNent and effluent standard for factories and industrial park set ny - otification of The Ministry of Industry dated June 00, B.E.25-0 2010H

Sampling By : Attitipon Yaso ะเพ็ญเลสร้ ะ204จจ0059

Remark :

- L56 : Limit of 6etedion
- "Z" : Lower than L5Q ุญนี้ค

Technical Management

Manager
ะเพ็ญเลสร้ ะ204จจ0000

Assistant General Manager
ะเพ็ญเลสร้ ะ204จจ0004

Results apply to the sample 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 JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Prakhonsiyutthaya Thailand 13210

P/O : 4102004523

Project Name : Monitoring EIA

Project Location : GUT

Lot ID: 2548302

Gate Received : Jun 09, 2025

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Report - uN mer : 3311300M

Page 2 of 2

- Analytes marked * is/are not included in scope of Accreditation I(≤/IEC 10025.
- (an pling is not included in scope of accreditation I(≤/IEC 10025

Technical Management

ะเพ็ญเลสร้ ะ204จจ0000

ะเพ็ญเลสร้ ะ204จจ0004

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