

ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์

ภาคผนวก ค-1

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539543
Date Received : Jun 06, 2025
Date Reported : Jun 11, 2025
Report Number: 3292040-1

Page 1 of 1

Sample Description Air Quality
Location วัดปางศาลา (GPS 47P 0792397, 1554150)
Date Analysis Commenced Jun 06, 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	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2539543-1	May 28 - May 29, 2025	0.014	0.011	754*	31.7*
2539543-2	May 29 - May 30, 2025	0.012	0.009	754*	31.2*
2539543-3	May 30 - May 31, 2025	0.014	0.011	754*	30.8*
2539543-4	May 31 - Jun 01, 2025	0.012	0.009	754*	29.4*
2539543-5	Jun 01 - Jun 02, 2025	0.029	0.013	754*	30.6*
2539543-6	Jun 02 - Jun 03, 2025	0.016	0.015	754*	30.8*
2539543-7	Jun 03 - Jun 04, 2025	0.029	0.024	754*	30.5*
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008
Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

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

Sampled By : Khunakon Manchuan

Remark : Result (s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by

Thanita K.

Thanita Kulsuriwong
Scientist (4)

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.0042

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539543
Date Received : Jun 06, 2025
Date Reported : Jun 11, 2025
Report Number: 3292040-2

Page 1 of 1

Sample Description Air Quality
Location วัดสระตูลีวิทยาสถา (GPS 47P 0792644, 1550250)
Date Analysis Commenced Jun 06, 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	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2539543-8	May 28 - May 29, 2025	0.019	0.016	754*	31.7*
2539543-9	May 29 - May 30, 2025	0.024	0.014	754*	31.2*
2539543-10	May 30 - May 31, 2025	0.016	0.012	754*	30.8*
2539543-11	May 31 - Jun 01, 2025	0.014	0.012	754*	29.4*
2539543-12	Jun 01 - Jun 02, 2025	0.034	0.024	754*	30.6*
2539543-13	Jun 02 - Jun 03, 2025	0.024	0.015	754*	30.8*
2539543-14	Jun 03 - Jun 04, 2025	0.043	0.030	754*	30.5*
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008
Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

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

Sampled By : Khunakon Manchuan

Remark : Result (s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

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Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539543

Date Received : Jun 06, 2025

Date Reported : Jun 11, 2025

Report Number: 3292040-3

Page 1 of 1

Sample Description Air Quality
Location กรุงเทพมหานคร (GPS 47P 0793836, 1554219)
Date Analysis Commenced Jun 06, 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	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2539543-15	May 28 - May 29, 2025	0.017	0.013	754*	31.7*
2539543-16	May 29 - May 30, 2025	0.013	0.010	754*	31.2*
2539543-17	May 30 - May 31, 2025	0.016	0.012	754*	30.8*
2539543-18	May 31 - Jun 01, 2025	0.018	0.013	754*	29.4*
2539543-19	Jun 01 - Jun 02, 2025	0.018	0.016	754*	30.6*
2539543-20	Jun 02 - Jun 03, 2025	0.020	0.013	754*	30.8*
2539543-21	Jun 03 - Jun 04, 2025	0.032	0.025	754*	30.5*
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008

Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

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

Sampled By : Khunakon Manchuan

Remark : Result (s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

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Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539543

Date Received : Jun 06, 2025

Date Reported : Jun 11, 2025

Report Number: 3292040-4

Page 1 of 1

Sample Description Air Quality
Location กรุงเทพมหานคร (GPS 47P 0788792, 1552723)
Date Analysis Commenced Jun 06, 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	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2539543-22	May 28 - May 29, 2025	0.015	0.013	754*	31.7*
2539543-23	May 29 - May 30, 2025	0.020	0.011	754*	31.2*
2539543-24	May 30 - May 31, 2025	0.017	0.014	754*	30.8*
2539543-25	May 31 - Jun 01, 2025	0.016	0.012	754*	29.4*
2539543-26	Jun 01 - Jun 02, 2025	0.022	0.018	754*	30.6*
2539543-27	Jun 02 - Jun 03, 2025	0.017	0.013	754*	30.8*
2539543-28	Jun 03 - Jun 04, 2025	0.030	0.025	754*	30.8*
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008

Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

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

Sampled By : Khunakon Manchuan

Remark : Result (s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

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Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539543
Date Received : Jun 06, 2025
Date Reported : Jun 11, 2025
Report Number: 3292040-5

Page 1 of 1

Sample Description Air Quality
Location พื้นที่โครงการ (GPS 47P 0792995, 1553106)
Date Analysis Commenced Jun 06, 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	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2539543-29	May 28 - May 29, 2025	0.015	0.011	754*	31.7*
2539543-30	May 29 - May 30, 2025	0.020	0.016	754*	31.2*
2539543-31	May 30 - May 31, 2025	0.015	0.012	754*	30.8*
2539543-32	May 31 - Jun 01, 2025	0.017	0.011	754*	29.4*
2539543-33	Jun 01 - Jun 02, 2025	0.022	0.018	754*	30.6*
2539543-34	Jun 02 - Jun 03, 2025	0.018	0.012	754*	30.8*
2539543-35	Jun 03 - Jun 04, 2025	0.032	0.026	754*	30.5*
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008
Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

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

Sampled By : Khunakon Manchuan

Remark : Result (s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

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Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539543
Date Received : Jun 06, 2025
Date Reported : Jun 11, 2025
Report Number: 3292040-6

Page 1 of 1

Sample Description Air Quality
Location พื้นที่บ้านเขาบางจีน (GPS 47P 0790574, 1555767)
Date Analysis Commenced Jun 06, 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	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2539543-36	May 28 - May 29, 2025	0.015	0.012	754*	31.7*
2539543-37	May 29 - May 30, 2025	0.016	0.013	754*	31.2*
2539543-38	May 30 - May 31, 2025	0.015	0.014	754*	30.8*
2539543-39	May 31 - Jun 01, 2025	0.013	0.012	754*	29.4*
2539543-40	Jun 01 - Jun 02, 2025	0.022	0.019	754*	30.6*
2539543-41	Jun 02 - Jun 03, 2025	0.018	0.014	754*	30.8*
2539543-42	Jun 03 - Jun 04, 2025	0.030	0.019	754*	30.5*
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008
Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

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

Sampled By : Khunakon Manchuan

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539527

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: 3332695-1

Page 1 of 1

Sample Description	Air Quality						
Location	วัดอ่างศิลา (GPS 47P 0792397, 1554150)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	May 28, 2025 - Jun 04, 2025						
Measurement by	Khunakon Manchuan						
	2539527-1	2539527-2	2539527-3	2539527-4	2539527-5	2539527-6	2539527-7
Time	May 28, 2025	May 29, 2025	May 30, 2025	May 31, 2025	Jun 01, 2025	Jun 02, 2025	Jun 03, 2025
11:00 AM - 12:00 PM	0.0033	0.0046	0.0103	0.0094	0.0038	0.0066	0.0102
12:00 PM - 01:00 PM	0.0035	0.0044	0.0086	0.0079	0.0042	0.0054	0.0059
01:00 PM - 02:00 PM	0.0010	0.0040	0.0076	0.0074	0.0035	0.0045	0.0040
02:00 PM - 03:00 PM	0.0042	0.0044	0.0073	0.0065	0.0056	0.0030	0.0033
03:00 PM - 04:00 PM	0.0051	0.0052	0.0075	0.0082	0.0058	0.0032	0.0049
04:00 PM - 05:00 PM	0.0055	0.0077	0.0082	0.0076	0.0087	0.0035	0.0055
05:00 PM - 06:00 PM	0.0086	0.0052	0.0103	0.0055	0.0033	0.0031	0.0056
06:00 PM - 07:00 PM	0.0079	0.0084	0.0115	0.0077	0.0025	0.0043	0.0036
07:00 PM - 08:00 PM	0.0084	0.0067	0.0027	0.0055	0.0121	0.0047	0.0067
08:00 PM - 09:00 PM	0.0062	0.0099	0.0054	0.0050	0.0138	0.0045	0.0061
09:00 PM - 10:00 PM	0.0051	0.0068	0.0047	0.0052	0.0036	0.0043	0.0056
10:00 PM - 11:00 PM	0.0041	0.0046	0.0071	0.0095	0.0049	0.0049	0.0066
11:00 PM - 12:00 AM	0.0034	0.0051	0.0054	0.0047	0.0049	0.0076	0.0087
12:00 AM - 01:00 AM	0.0031	0.0101	0.0060	0.0039	0.0071	0.0085	0.0087
01:00 AM - 02:00 AM	0.0028	0.0081	0.0050	0.0073	0.0064	0.0057	0.0089
02:00 AM - 03:00 AM	0.0024	0.0076	0.0076	0.0030	0.0076	0.0041	0.0075
03:00 AM - 04:00 AM	0.0024	0.0063	0.0047	0.0029	0.0079	0.0038	0.0067
04:00 AM - 05:00 AM	0.0025	0.0062	0.0031	0.0035	0.0040	0.0053	0.0068
05:00 AM - 06:00 AM	0.0068	0.0058	0.0042	0.0024	0.0067	0.0074	0.0074
06:00 AM - 07:00 AM	0.0060	0.0060	0.0045	0.0031	0.0047	0.0042	0.0078
07:00 AM - 08:00 AM	0.0070	0.0073	0.0089	0.0025	0.0074	0.0044	0.0086
08:00 AM - 09:00 AM	0.0084	0.0077	0.0086	0.0056	0.0056	0.0071	0.0069
09:00 AM - 10:00 AM	0.0075	0.0085	0.0075	0.0046	0.0060	0.0086	0.0080
10:00 AM - 11:00 AM	0.0085	0.0113	0.0133	0.0052	0.0069	0.0077	0.0052
Average	0.0052	0.0067	0.0071	0.0056	0.0061	0.0051	0.0066
1hr - Maximum	0.0086	0.0113	0.0133	0.0095	0.0138	0.0086	0.0102
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)

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539527

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: 3332697-1

Page 1 of 1

Sample Description	Air Quality						
Location	วัดสระสุพรรณราชพา (GPS 47P 0792644, 1550250)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	May 28, 2025 - Jun 04, 2025						
Measurement by	Khunakon Manchuan						
	2539527-8	2539527-9	2539527-10	2539527-11	2539527-12	2539527-13	2539527-14
Time	May 28, 2025	May 29, 2025	May 30, 2025	May 31, 2025	Jun 01, 2025	Jun 02, 2025	Jun 03, 2025
02:00 PM - 03:00 PM	0.0011	0.0016	0.0013	0.0007	0.0032	0.0019	0.0021
03:00 PM - 04:00 PM	0.0016	0.0032	0.0022	0.0010	0.0036	0.0023	0.0025
04:00 PM - 05:00 PM	0.0021	0.0027	0.0039	0.0019	0.0032	0.0041	0.0046
05:00 PM - 06:00 PM	0.0051	0.0046	0.0072	0.0053	0.0065	0.0036	0.0049
06:00 PM - 07:00 PM	0.0055	0.0122	0.0062	0.0044	0.0095	0.0028	0.0074
07:00 PM - 08:00 PM	0.0098	0.0107	0.0051	0.0022	0.0133	0.0006	0.0086
08:00 PM - 09:00 PM	0.0156	0.0075	0.0042	0.0057	0.0085	0.0017	0.0081
09:00 PM - 10:00 PM	0.0085	0.0071	0.0028	0.0035	0.0028	0.0038	0.0082
10:00 PM - 11:00 PM	0.0032	0.0024	0.0034	0.0041	0.0040	0.0058	0.0064
11:00 PM - 12:00 AM	0.0012	0.0006	0.0009	0.0055	0.0034	0.0045	0.0039
12:00 AM - 01:00 AM	0.0020	0.0004	<0.0001	0.0016	0.0046	0.0012	0.0027
01:00 AM - 02:00 AM	0.0012	0.0004	<0.0001	0.0023	0.0023	0.0014	0.0019
02:00 AM - 03:00 AM	0.0012	0.0005	0.0026	0.0023	0.0013	0.0016	0.0021
03:00 AM - 04:00 AM	0.0008	0.0005	0.0032	0.0015	0.0005	0.0012	0.0012
04:00 AM - 05:00 AM	0.0028	0.0005	0.0022	0.0007	0.0014	0.0011	0.0008
05:00 AM - 06:00 AM	0.0010	0.0009	0.0016	0.0003	0.0010	0.0013	0.0008
06:00 AM - 07:00 AM	0.0010	0.0011	0.0024	0.0004	0.0007	0.0006	0.0005
07:00 AM - 08:00 AM	0.0016	0.0012	0.0013	0.0001	0.0007	0.0007	0.0005
08:00 AM - 09:00 AM	0.0019	0.0015	0.0010	<0.0001	0.0031	0.0017	0.0008
09:00 AM - 10:00 AM	0.0021	0.0011	0.0007	0.0005	0.0036	0.0033	0.0014
10:00 AM - 11:00 AM	0.0019	0.0011	0.0023	0.0037	0.0030	0.0025	0.0013
11:00 AM - 12:00 PM	0.0018	0.0008	0.0015	0.0029	0.0041	0.0026	0.0015
12:00 PM - 01:00 PM	0.0016	0.0014	0.0006	0.0046	0.0032	0.0019	0.0023
01:00 PM - 02:00 PM	0.0027	0.0011	0.0004	0.0042	0.0026	0.0021	0.0019
Average	0.0032	0.0027	0.0024	0.0025	0.0038	0.0023	0.0032
1hr - Maximum	0.0156	0.0122	0.0072	0.0057	0.0133	0.0058	0.0086
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)

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539527

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: 3332703-1

Page 1 of 1

Sample Description	Air Quality						
Location	กรุงเทพมหานคร (GPS 47P 0793836, 1554219)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	May 28, 2025 - Jun 04, 2025						
Measurement by	Khunakon Manchuan						
	2539527-15	2539527-16	2539527-17	2539527-18	2539527-19	2539527-20	2539527-21
Time	May 28, 2025	May 29, 2025	May 30, 2025	May 31, 2025	Jun 01, 2025	Jun 02, 2025	Jun 03, 2025
12:00 PM - 01:00 PM	0.0023	0.0017	0.0007	0.0018	0.0012	0.0027	0.0015
01:00 PM - 02:00 PM	0.0007	0.0020	0.0006	0.0015	0.0011	0.0029	0.0011
02:00 PM - 03:00 PM	0.0004	0.0011	0.0010	0.0015	0.0011	0.0016	0.0011
03:00 PM - 04:00 PM	0.0012	0.0022	0.0018	0.0014	0.0007	0.0008	0.0011
04:00 PM - 05:00 PM	0.0011	0.0017	0.0016	0.0014	0.0004	0.0018	0.0011
05:00 PM - 06:00 PM	0.0016	0.0024	0.0044	0.0009	0.0009	0.0007	0.0012
06:00 PM - 07:00 PM	0.0011	0.0042	0.0025	0.0009	0.0011	0.0007	0.0017
07:00 PM - 08:00 PM	0.0013	0.0013	0.0033	0.0015	0.0005	0.0018	0.0013
08:00 PM - 09:00 PM	0.0013	0.0054	0.0022	<0.0001	0.0025	0.0007	0.0075
09:00 PM - 10:00 PM	0.0027	0.0057	0.0026	0.0004	0.0027	0.0011	0.0057
10:00 PM - 11:00 PM	0.0040	0.0029	0.0012	0.0007	0.0055	0.0028	0.0044
11:00 PM - 12:00 AM	0.0032	0.0009	0.0034	0.0019	0.0021	0.0031	0.0044
12:00 AM - 01:00 AM	0.0007	0.0007	0.0006	0.0037	0.0024	0.0016	0.0031
01:00 AM - 02:00 AM	0.0010	0.0011	0.0007	0.0024	0.0029	0.0014	0.0021
02:00 AM - 03:00 AM	0.0016	0.0008	0.0011	0.0024	0.0026	0.0015	0.0015
03:00 AM - 04:00 AM	0.0019	0.0007	0.0017	0.0022	0.0023	0.0012	0.0011
04:00 AM - 05:00 AM	0.0016	0.0009	0.0031	0.0020	0.0016	0.0023	0.0049
05:00 AM - 06:00 AM	0.0016	0.0031	0.0032	0.0013	0.0016	0.0013	0.0015
06:00 AM - 07:00 AM	0.0018	0.0010	0.0031	0.0014	0.0013	0.0010	0.0011
07:00 AM - 08:00 AM	0.0016	0.0010	0.0022	0.0014	0.0004	0.0012	0.0010
08:00 AM - 09:00 AM	0.0014	0.0008	0.0018	0.0017	0.0007	0.0012	0.0022
09:00 AM - 10:00 AM	0.0022	0.0022	0.0009	0.0016	0.0018	0.0024	0.0022
10:00 AM - 11:00 AM	0.0014	0.0022	0.0013	0.0008	0.0017	0.0025	0.0034
11:00 AM - 12:00 PM	0.0015	0.0015	0.0015	0.0019	0.0015	0.0024	0.0029
Average	0.0016	0.0021	0.0019	0.0015	0.0017	0.0016	0.0025
1hr - Maximum	0.0040	0.0057	0.0044	0.0037	0.0055	0.0031	0.0075
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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Tanyatorm Mongkonjirawat
Supervisor

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539527

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: 3332705-1

Page 1 of 1

Sample Description	Air Quality						
Location	โรงเรียนบ้านโนนสะอาด (GPS 47P 0788792, 1552723)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	May 28, 2025 - Jun 04, 2025						
Measurement by	Khunakon Manchuan						
	2539527-22	2539527-23	2539527-24	2539527-25	2539527-26	2539527-27	2539527-28
Time	May 28, 2025	May 29, 2025	May 30, 2025	May 31, 2025	Jun 01, 2025	Jun 02, 2025	Jun 03, 2025
01:00 PM - 02:00 PM	0.0014	0.0035	0.0035	0.0058	0.0035	0.0047	0.0046
02:00 PM - 03:00 PM	0.0025	0.0035	0.0036	0.0044	0.0032	0.0041	0.0051
03:00 PM - 04:00 PM	0.0019	0.0051	0.0043	0.0065	0.0033	0.0090	0.0068
04:00 PM - 05:00 PM	0.0021	0.0095	0.0037	0.0069	0.0051	0.0051	0.0036
05:00 PM - 06:00 PM	0.0030	0.0105	0.0050	0.0072	0.0075	0.0060	0.0040
06:00 PM - 07:00 PM	0.0068	0.0092	0.0098	0.0080	0.0086	0.0146	0.0060
07:00 PM - 08:00 PM	0.0108	0.0069	0.0088	0.0052	0.0077	0.0083	0.0074
08:00 PM - 09:00 PM	0.0110	0.0093	0.0048	0.0059	0.0087	0.0061	0.0112
09:00 PM - 10:00 PM	0.0086	0.0091	0.0061	0.0088	0.0071	0.0066	0.0126
10:00 PM - 11:00 PM	0.0068	0.0080	0.0059	0.0070	0.0065	0.0041	0.0074
11:00 PM - 12:00 AM	0.0027	0.0084	0.0065	0.0034	0.0058	0.0054	0.0053
12:00 AM - 01:00 AM	0.0033	0.0075	0.0060	0.0062	0.0049	0.0061	0.0041
01:00 AM - 02:00 AM	0.0025	0.0071	0.0068	0.0047	0.0026	0.0060	0.0035
02:00 AM - 03:00 AM	0.0023	0.0055	0.0049	0.0043	0.0023	0.0053	0.0045
03:00 AM - 04:00 AM	0.0026	0.0071	0.0034	0.0055	0.0025	0.0050	0.0051
04:00 AM - 05:00 AM	0.0020	0.0050	0.0032	0.0038	0.0021	0.0041	0.0039
05:00 AM - 06:00 AM	0.0024	0.0032	0.0036	0.0026	0.0020	0.0027	0.0029
06:00 AM - 07:00 AM	0.0029	0.0036	0.0030	0.0031	0.0021	0.0019	0.0030
07:00 AM - 08:00 AM	0.0037	0.0029	0.0024	0.0026	0.0018	0.0032	0.0033
08:00 AM - 09:00 AM	0.0034	0.0036	0.0033	0.0034	0.0025	0.0063	0.0035
09:00 AM - 10:00 AM	0.0051	0.0067	0.0048	0.0051	0.0028	0.0075	0.0038
10:00 AM - 11:00 AM	0.0045	0.0040	0.0039	0.0041	0.0041	0.0065	0.0029
11:00 AM - 12:00 PM	0.0051	0.0038	0.0058	0.0040	0.0044	0.0082	0.0060
12:00 PM - 01:00 PM	0.0050	0.0033	0.0048	0.0054	0.0052	0.0077	0.0061
Average	0.0043	0.0061	0.0049	0.0052	0.0044	0.0060	0.0053
1hr - Maximum	0.0110	0.0105	0.0098	0.0088	0.0087	0.0146	0.0126
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)

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Tanyatorm Mongkonjirawat
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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539527

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: 3332709-1

Page 1 of 1

Sample Description	Air Quality						
Location	พื้นที่โครงการ (GPS 47P 0792995, 1553106)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	May 28, 2025 - Jun 04, 2025						
Measurement by	Khunakon Manchuan						
Time	2539527-29 May 28, 2025	2539527-30 May 29, 2025	2539527-31 May 30, 2025	2539527-32 May 31, 2025	2539527-33 Jun 01, 2025	2539527-34 Jun 02, 2025	2539527-35 Jun 03, 2025
12:00 PM - 01:00 PM	0.0039	0.0139	0.0085	0.0111	0.0134	0.0075	0.0157
01:00 PM - 02:00 PM	0.0098	0.0019	0.0139	0.0136	0.0123	0.0080	0.0107
02:00 PM - 03:00 PM	0.0078	0.0096	0.0181	0.0121	0.0109	0.0065	0.0091
03:00 PM - 04:00 PM	0.0088	0.0123	0.0114	0.0076	0.0102	0.0063	0.0083
04:00 PM - 05:00 PM	0.0086	0.0195	0.0111	0.0074	0.0099	0.0073	0.0083
05:00 PM - 06:00 PM	0.0142	0.0157	0.0126	0.0079	0.0103	0.0082	0.0081
06:00 PM - 07:00 PM	0.0172	0.0116	0.0123	0.0084	0.0087	0.0069	0.0076
07:00 PM - 08:00 PM	0.0155	0.0134	0.0106	0.0092	0.0067	0.0058	0.0072
08:00 PM - 09:00 PM	0.0102	0.0109	0.0099	0.0086	0.0057	0.0065	0.0086
09:00 PM - 10:00 PM	0.0106	0.0091	0.0092	0.0069	0.0056	0.0062	0.0077
10:00 PM - 11:00 PM	0.0137	0.0083	0.0088	0.0080	0.0063	0.0068	0.0084
11:00 PM - 12:00 AM	0.0118	0.0077	0.0080	0.0083	0.0111	0.0084	0.0077
12:00 AM - 01:00 AM	0.0109	0.0077	0.0072	0.0090	0.0098	0.0111	0.0084
01:00 AM - 02:00 AM	0.0118	0.0074	0.0090	0.0075	0.0110	0.0134	0.0085
02:00 AM - 03:00 AM	0.0110	0.0056	0.0086	0.0073	0.0097	0.0114	0.0102
03:00 AM - 04:00 AM	0.0112	0.0067	0.0128	0.0107	0.0067	0.0081	0.0083
04:00 AM - 05:00 AM	0.0098	0.0081	0.0108	0.0057	0.0061	0.0083	0.0064
05:00 AM - 06:00 AM	0.0103	0.0113	0.0112	0.0052	0.0099	0.0078	0.0063
06:00 AM - 07:00 AM	0.0123	0.0125	0.0100	0.0055	0.0112	0.0059	0.0059
07:00 AM - 08:00 AM	0.0138	0.0093	0.0084	0.0100	0.0122	0.0046	0.0078
08:00 AM - 09:00 AM	0.0144	0.0075	0.0089	0.0051	0.0122	0.0060	0.0081
09:00 AM - 10:00 AM	0.0089	0.0105	0.0138	0.0173	0.0185	0.0074	0.0101
10:00 AM - 11:00 AM	0.0071	0.0118	0.0107	0.0136	0.0098	0.0086	0.0067
11:00 AM - 12:00 PM	0.0082	0.0012	0.0095	0.0118	0.0056	0.0105	0.0084
Average	0.0109	0.0097	0.0106	0.0091	0.0097	0.0078	0.0084
1hr - Maximum	0.0172	0.0195	0.0181	0.0173	0.0185	0.0134	0.0157
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)

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539527

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: 3332712-1

Page 1 of 1

Sample Description	Air Quality						
Location	ชุมชนบ้านเขาบางชัน (GPS 47P 0790574, 1555767)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	May 28, 2025 - Jun 04, 2025						
Measurement by	Khunakon Manchuan						
Time	2539527-36 May 28, 2025	2539527-37 May 29, 2025	2539527-38 May 30, 2025	2539527-39 May 31, 2025	2539527-40 Jun 01, 2025	2539527-41 Jun 02, 2025	2539527-42 Jun 03, 2025
12:00 PM - 01:00 PM	0.0116	0.0088	0.0081	0.0066	0.0039	0.0040	0.0089
01:00 PM - 02:00 PM	0.0116	0.0099	0.0090	0.0064	0.0028	0.0057	0.0093
02:00 PM - 03:00 PM	0.0133	0.0122	0.0105	0.0080	0.0031	0.0030	0.0095
03:00 PM - 04:00 PM	0.0152	0.0145	0.0088	0.0094	0.0040	0.0029	0.0089
04:00 PM - 05:00 PM	0.0118	0.0094	0.0100	0.0083	0.0074	0.0033	0.0071
05:00 PM - 06:00 PM	0.0073	0.0064	0.0072	0.0041	0.0057	0.0035	0.0045
06:00 PM - 07:00 PM	0.0049	0.0058	0.0036	0.0044	0.0062	0.0037	0.0044
07:00 PM - 08:00 PM	0.0041	0.0050	0.0029	0.0033	0.0034	0.0034	0.0053
08:00 PM - 09:00 PM	0.0040	0.0042	0.0025	0.0030	0.0035	0.0039	0.0053
09:00 PM - 10:00 PM	0.0040	0.0037	0.0027	0.0032	0.0056	0.0051	0.0049
10:00 PM - 11:00 PM	0.0035	0.0033	0.0037	0.0030	0.0040	0.0044	0.0038
11:00 PM - 12:00 AM	0.0032	0.0035	0.0040	0.0031	0.0036	0.0038	0.0030
12:00 AM - 01:00 AM	0.0037	0.0039	0.0037	0.0036	0.0030	0.0037	0.0028
01:00 AM - 02:00 AM	0.0037	0.0030	0.0029	0.0045	0.0032	0.0033	0.0028
02:00 AM - 03:00 AM	0.0029	0.0025	0.0032	0.0053	0.0034	0.0029	0.0037
03:00 AM - 04:00 AM	0.0031	0.0031	0.0031	0.0052	0.0033	0.0027	0.0032
04:00 AM - 05:00 AM	0.0043	0.0028	0.0025	0.0044	0.0033	0.0024	0.0033
05:00 AM - 06:00 AM	0.0033	0.0032	0.0023	0.0046	0.0034	0.0024	0.0036
06:00 AM - 07:00 AM	0.0039	0.0044	0.0031	0.0042	0.0051	0.0044	0.0049
07:00 AM - 08:00 AM	0.0043	0.0053	0.0049	0.0048	0.0053	0.0050	0.0051
08:00 AM - 09:00 AM	0.0039	0.0053	0.0042	0.0054	0.0063	0.0050	0.0050
09:00 AM - 10:00 AM	0.0038	0.0063	0.0047	0.0051	0.0070	0.0106	0.0052
10:00 AM - 11:00 AM	0.0062	0.0067	0.0045	0.0059	0.0062	0.0065	0.0071
11:00 AM - 12:00 PM	0.0063	0.0070	0.0059	0.0057	0.0040	0.0064	0.0090
Average	0.0060	0.0058	0.0049	0.0051	0.0044	0.0042	0.0054
1hr - Maximum	0.0152	0.0145	0.0105	0.0094	0.0074	0.0106	0.0095
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : U.S. Environmental Protection 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 NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539534

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: 3332902-1

Page 1 of 1

Sample Description	Air Quality						
Location	วัดปางศาลา (GPS 47P 0792397, 1554150)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	May 28, 2025 - Jun 04, 2025						
Measurement by	Khunakon Manchuan						
	2539534-1 May 28, 2025	2539534-2 May 29, 2025	2539534-3 May 30, 2025	2539534-4 May 31, 2025	2539534-5 Jun 01, 2025	2539534-6 Jun 02, 2025	2539534-7 Jun 03, 2025
Time							
11:00 AM - 12:00 PM	0.0049	0.0056	0.0057	0.0057	0.0058	0.0058	0.0057
12:00 PM - 01:00 PM	0.0049	0.0056	0.0059	0.0057	0.0057	0.0058	0.0058
01:00 PM - 02:00 PM	0.0050	0.0058	0.0061	0.0056	0.0058	0.0059	0.0059
02:00 PM - 03:00 PM	0.0053	0.0060	0.0063	0.0058	0.0059	0.0059	0.0060
03:00 PM - 04:00 PM	0.0061	0.0060	0.0070	0.0064	0.0057	0.0064	0.0065
04:00 PM - 05:00 PM	0.0063	0.0056	0.0069	0.0069	0.0056	0.0064	0.0071
05:00 PM - 06:00 PM	0.0064	0.0053	0.0066	0.0064	0.0063	0.0049	0.0066
06:00 PM - 07:00 PM	0.0062	0.0057	0.0059	0.0064	0.0075	0.0065	0.0065
07:00 PM - 08:00 PM	0.0060	0.0075	0.0060	0.0063	0.0066	0.0056	0.0006
08:00 PM - 09:00 PM	0.0059	0.0084	0.0062	0.0059	0.0063	0.0050	0.0027
09:00 PM - 10:00 PM	0.0061	0.0061	0.0059	0.0061	0.0062	0.0056	0.0032
10:00 PM - 11:00 PM	0.0050	0.0056	0.0052	0.0046	0.0051	0.0059	0.0042
11:00 PM - 12:00 AM	0.0040	0.0055	0.0047	0.0056	0.0048	0.0060	0.0045
12:00 AM - 01:00 AM	0.0046	0.0055	0.0047	0.0056	0.0051	0.0059	0.0052
01:00 AM - 02:00 AM	0.0042	0.0056	0.0047	0.0052	0.0051	0.0058	0.0055
02:00 AM - 03:00 AM	0.0048	0.0055	0.0052	0.0052	0.0051	0.0057	0.0057
03:00 AM - 04:00 AM	0.0055	0.0057	0.0055	0.0054	0.0055	0.0057	0.0067
04:00 AM - 05:00 AM	0.0056	0.0058	0.0057	0.0054	0.0057	0.0059	0.0069
05:00 AM - 06:00 AM	0.0056	0.0057	0.0058	0.0056	0.0059	0.0058	0.0068
06:00 AM - 07:00 AM	0.0056	0.0057	0.0055	0.0059	0.0057	0.0058	0.0061
07:00 AM - 08:00 AM	0.0057	0.0057	0.0058	0.0058	0.0055	0.0059	0.0059
08:00 AM - 09:00 AM	0.0058	0.0058	0.0057	0.0057	0.0057	0.0059	0.0059
09:00 AM - 10:00 AM	0.0058	0.0058	0.0057	0.0057	0.0058	0.0059	0.0064
10:00 AM - 11:00 AM	0.0057	0.0058	0.0056	0.0057	0.0057	0.0059	0.0066
Average	0.0055	0.0059	0.0058	0.0057	0.0058	0.0058	0.0055
1hr - Maximum	0.0064	0.0084	0.0070	0.0069	0.0075	0.0064	0.0071
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

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539534

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: 3332907-1

Page 1 of 1

Sample Description	Air Quality						
Location	วัดสระตูละโวทัย (GPS 47P 0792644, 1550250)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	May 28, 2025 - Jun 04, 2025						
Measurement by	Khunakon Manchuan						
	2539534-8	2539534-9	2539534-10	2539534-11	2539534-12	2539534-13	2539534-14
Time	May 28, 2025	May 29, 2025	May 30, 2025	May 31, 2025	Jun 01, 2025	Jun 02, 2025	Jun 03, 2025
02:00 PM - 03:00 PM	0.0076	0.0061	0.0076	0.0066	0.0073	0.0077	0.0072
03:00 PM - 04:00 PM	0.0074	0.0063	0.0073	0.0065	0.0076	0.0086	0.0073
04:00 PM - 05:00 PM	0.0073	0.0067	0.0075	0.0068	0.0077	0.0081	0.0073
05:00 PM - 06:00 PM	0.0073	0.0068	0.0076	0.0066	0.0077	0.0075	0.0072
06:00 PM - 07:00 PM	0.0077	0.0066	0.0076	0.0066	0.0076	0.0073	0.0074
07:00 PM - 08:00 PM	0.0079	0.0069	0.0075	0.0067	0.0077	0.0075	0.0077
08:00 PM - 09:00 PM	0.0079	0.0072	0.0077	0.0068	0.0077	0.0074	0.0077
09:00 PM - 10:00 PM	0.0080	0.0070	0.0076	0.0068	0.0077	0.0072	0.0078
10:00 PM - 11:00 PM	0.0080	0.0068	0.0078	0.0069	0.0077	0.0073	0.0078
11:00 PM - 12:00 AM	0.0079	0.0067	0.0076	0.0070	0.0078	0.0074	0.0077
12:00 AM - 01:00 AM	0.0077	0.0070	0.0077	0.0070	0.0077	0.0073	0.0076
01:00 AM - 02:00 AM	0.0078	0.0071	0.0079	0.0070	0.0077	0.0074	0.0074
02:00 AM - 03:00 AM	0.0079	0.0066	0.0077	0.0071	0.0077	0.0073	0.0075
03:00 AM - 04:00 AM	0.0080	0.0068	0.0078	0.0071	0.0077	0.0071	0.0076
04:00 AM - 05:00 AM	0.0080	0.0069	0.0076	0.0072	0.0077	0.0073	0.0074
05:00 AM - 06:00 AM	0.0079	0.0071	0.0077	0.0072	0.0077	0.0074	0.0076
06:00 AM - 07:00 AM	0.0078	0.0070	0.0078	0.0071	0.0083	0.0076	0.0073
07:00 AM - 08:00 AM	0.0079	0.0073	0.0077	0.0072	0.0081	0.0075	0.0074
08:00 AM - 09:00 AM	0.0077	0.0072	0.0080	0.0071	0.0082	0.0073	0.0073
09:00 AM - 10:00 AM	0.0078	0.0073	0.0078	0.0073	0.0079	0.0073	0.0072
10:00 AM - 11:00 AM	0.0077	0.0076	0.0077	0.0073	0.0079	0.0073	0.0071
11:00 AM - 12:00 PM	0.0067	0.0075	0.0076	0.0073	0.0074	0.0073	0.0071
12:00 PM - 01:00 PM	0.0070	0.0073	0.0078	0.0073	0.0075	0.0072	0.0070
01:00 PM - 02:00 PM	0.0067	0.0075	0.0079	0.0072	0.0078	0.0070	0.0070
Average	0.0076	0.0070	0.0077	0.0070	0.0077	0.0074	0.0074
1hr - Maximum	0.0080	0.0076	0.0080	0.0073	0.0083	0.0086	0.0078
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

Approved by

Tanyatorm Mongkonjirawut
Supervisor

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539534

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: 3332911-1

Page 1 of 1

Sample Description	Air Quality						
Location	โรงเขี่ยน้ำมันโนนสะอาด (GPS 47P 0793836, 1554219)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	May 28, 2025 - Jun 04, 2025						
Measurement by	Khunakon Manchuan						
	2539534-15	2539534-16	2539534-17	2539534-18	2539534-19	2539534-20	2539534-21
Time	May 28, 2025	May 29, 2025	May 30, 2025	May 31, 2025	Jun 01, 2025	Jun 02, 2025	Jun 03, 2025
10:00 AM - 11:00 AM	0.0022	0.0018	0.0019	0.0019	0.0021	0.0023	0.0023
11:00 AM - 12:00 PM	0.0017	0.0021	0.0019	0.0022	0.0020	0.0027	0.0023
12:00 PM - 01:00 PM	0.0023	0.0031	0.0020	0.0026	0.0021	0.0032	0.0023
01:00 PM - 02:00 PM	0.0022	0.0031	0.0020	0.0025	0.0021	0.0035	0.0023
02:00 PM - 03:00 PM	0.0022	0.0028	0.0022	0.0024	0.0022	0.0032	0.0023
03:00 PM - 04:00 PM	0.0025	0.0027	0.0023	0.0024	0.0021	0.0031	0.0023
04:00 PM - 05:00 PM	0.0021	0.0022	0.0025	0.0027	0.0022	0.0029	0.0024
05:00 PM - 06:00 PM	0.0020	0.0020	0.0022	0.0024	0.0022	0.0026	0.0024
06:00 PM - 07:00 PM	0.0019	0.0020	0.0021	0.0022	0.0022	0.0025	0.0023
07:00 PM - 08:00 PM	0.0019	0.0019	0.0020	0.0021	0.0021	0.0025	0.0022
08:00 PM - 09:00 PM	0.0019	0.0019	0.0020	0.0021	0.0021	0.0026	0.0022
09:00 PM - 10:00 PM	0.0018	0.0019	0.0020	0.0021	0.0021	0.0025	0.0023
10:00 PM - 11:00 PM	0.0018	0.0019	0.0020	0.0021	0.0021	0.0025	0.0022
11:00 PM - 12:00 AM	0.0018	0.0018	0.0019	0.0020	0.0022	0.0024	0.0022
12:00 AM - 01:00 AM	0.0018	0.0019	0.0020	0.0020	0.0023	0.0024	0.0022
01:00 AM - 02:00 AM	0.0018	0.0019	0.0019	0.0020	0.0024	0.0023	0.0022
02:00 AM - 03:00 AM	0.0017	0.0019	0.0019	0.0020	0.0023	0.0024	0.0022
03:00 AM - 04:00 AM	0.0017	0.0019	0.0019	0.0020	0.0022	0.0022	0.0022
04:00 AM - 05:00 AM	0.0017	0.0019	0.0019	0.0020	0.0022	0.0022	0.0022
05:00 AM - 06:00 AM	0.0017	0.0019	0.0019	0.0020	0.0022	0.0022	0.0022
06:00 AM - 07:00 AM	0.0018	0.0019	0.0019	0.0021	0.0022	0.0021	0.0022
07:00 AM - 08:00 AM	0.0018	0.0020	0.0019	0.0020	0.0022	0.0022	0.0023
08:00 AM - 09:00 AM	0.0018	0.0019	0.0019	0.0020	0.0021	0.0022	0.0023
09:00 AM - 10:00 AM	0.0019	0.0019	0.0019	0.0021	0.0022	0.0023	0.0024
Average	0.0019	0.0021	0.0020	0.0022	0.0022	0.0025	0.0023
1hr - Maximum	0.0025	0.0031	0.0025	0.0027	0.0024	0.0035	0.0024
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							

Approved by

Tanyatorm Mongkonjirawat
Supervisor

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539534

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: 3332912-1

Page 1 of 1

Sample Description	Air Quality						
Location	โรงเขี่ยน้ำมันโนนสะอาด (GPS 47P 0788792, 1552723)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	May 28, 2025 - Jun 04, 2025						
Measurement by	Khunakon Manchuan						
	2539534-22	2539534-23	2539534-24	2539534-25	2539534-26	2539534-27	2539534-28
Time	May 28, 2025	May 29, 2025	May 30, 2025	May 31, 2025	Jun 01, 2025	Jun 02, 2025	Jun 03, 2025
01:00 PM - 02:00 PM	0.0062	0.0082	0.0082	0.0091	0.0087	0.0088	0.0090
02:00 PM - 03:00 PM	0.0062	0.0081	0.0081	0.0089	0.0087	0.0080	0.0090
03:00 PM - 04:00 PM	0.0064	0.0075	0.0083	0.0090	0.0087	0.0083	0.0092
04:00 PM - 05:00 PM	0.0064	0.0076	0.0081	0.0088	0.0086	0.0084	0.0090
05:00 PM - 06:00 PM	0.0063	0.0078	0.0081	0.0089	0.0083	0.0081	0.0086
06:00 PM - 07:00 PM	0.0064	0.0075	0.0081	0.0080	0.0086	0.0082	0.0085
07:00 PM - 08:00 PM	0.0066	0.0077	0.0083	0.0083	0.0089	0.0083	0.0089
08:00 PM - 09:00 PM	0.0068	0.0078	0.0082	0.0090	0.0090	0.0083	0.0092
09:00 PM - 10:00 PM	0.0070	0.0078	0.0083	0.0083	0.0089	0.0082	0.0092
10:00 PM - 11:00 PM	0.0068	0.0078	0.0084	0.0083	0.0090	0.0086	0.0090
11:00 PM - 12:00 AM	0.0067	0.0079	0.0084	0.0079	0.0090	0.0085	0.0092
12:00 AM - 01:00 AM	0.0070	0.0081	0.0087	0.0078	0.0086	0.0088	0.0093
01:00 AM - 02:00 AM	0.0071	0.0080	0.0084	0.0082	0.0087	0.0088	0.0095
02:00 AM - 03:00 AM	0.0075	0.0078	0.0084	0.0087	0.0087	0.0083	0.0096
03:00 AM - 04:00 AM	0.0077	0.0079	0.0083	0.0088	0.0086	0.0084	0.0094
04:00 AM - 05:00 AM	0.0078	0.0080	0.0087	0.0087	0.0088	0.0084	0.0095
05:00 AM - 06:00 AM	0.0079	0.0080	0.0085	0.0086	0.0088	0.0087	0.0097
06:00 AM - 07:00 AM	0.0081	0.0078	0.0086	0.0085	0.0087	0.0089	0.0095
07:00 AM - 08:00 AM	0.0079	0.0080	0.0085	0.0088	0.0089	0.0090	0.0089
08:00 AM - 09:00 AM	0.0076	0.0080	0.0080	0.0087	0.0090	0.0090	0.0090
09:00 AM - 10:00 AM	0.0074	0.0081	0.0082	0.0084	0.0092	0.0090	0.0090
10:00 AM - 11:00 AM	0.0077	0.0091	0.0085	0.0084	0.0092	0.0088	0.0091
11:00 AM - 12:00 PM	0.0077	0.0084	0.0094	0.0086	0.0092	0.0089	0.0093
12:00 PM - 01:00 PM	0.0081	0.0083	0.0091	0.0085	0.0094	0.0091	0.0093
Average	0.0071	0.0080	0.0084	0.0086	0.0088	0.0086	0.0092
1hr - Maximum	0.0081	0.0091	0.0094	0.0091	0.0094	0.0091	0.0097
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							

Approved by

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Supervisor

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539534

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: 3332917-1

Page 1 of 1

Sample Description	Air Quality						
Location	พื้นที่โครงการ (GPS 47P 0792995, 1553106)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	May 28, 2025 - Jun 04, 2025						
Measurement by	Khunakon Manchuan						
Time	2539534-29 May 28, 2025	2539534-30 May 29, 2025	2539534-31 May 30, 2025	2539534-32 May 31, 2025	2539534-33 Jun 01, 2025	2539534-34 Jun 02, 2025	2539534-35 Jun 03, 2025
10:00 AM - 11:00 AM	0.0069	0.0075	0.0077	0.0077	0.0078	0.0078	0.0077
11:00 AM - 12:00 PM	0.0068	0.0076	0.0079	0.0077	0.0078	0.0078	0.0078
12:00 PM - 01:00 PM	0.0070	0.0077	0.0081	0.0075	0.0077	0.0078	0.0079
01:00 PM - 02:00 PM	0.0073	0.0080	0.0083	0.0078	0.0079	0.0079	0.0080
02:00 PM - 03:00 PM	0.0080	0.0080	0.0089	0.0084	0.0076	0.0084	0.0085
03:00 PM - 04:00 PM	0.0082	0.0076	0.0089	0.0088	0.0075	0.0084	0.0090
04:00 PM - 05:00 PM	0.0083	0.0073	0.0086	0.0084	0.0083	0.0069	0.0085
05:00 PM - 06:00 PM	0.0082	0.0077	0.0079	0.0084	0.0095	0.0080	0.0085
06:00 PM - 07:00 PM	0.0080	0.0095	0.0080	0.0083	0.0086	0.0075	0.0026
07:00 PM - 08:00 PM	0.0079	0.0104	0.0082	0.0079	0.0083	0.0070	0.0047
08:00 PM - 09:00 PM	0.0080	0.0081	0.0079	0.0060	0.0082	0.0076	0.0052
09:00 PM - 10:00 PM	0.0070	0.0076	0.0072	0.0066	0.0071	0.0078	0.0062
10:00 PM - 11:00 PM	0.0059	0.0074	0.0067	0.0076	0.0068	0.0079	0.0064
11:00 PM - 12:00 AM	0.0065	0.0075	0.0067	0.0076	0.0071	0.0078	0.0071
12:00 AM - 01:00 AM	0.0062	0.0075	0.0067	0.0072	0.0071	0.0078	0.0075
01:00 AM - 02:00 AM	0.0068	0.0075	0.0072	0.0072	0.0071	0.0077	0.0077
02:00 AM - 03:00 AM	0.0074	0.0077	0.0074	0.0074	0.0075	0.0077	0.0087
03:00 AM - 04:00 AM	0.0076	0.0078	0.0077	0.0074	0.0077	0.0078	0.0089
04:00 AM - 05:00 AM	0.0076	0.0077	0.0077	0.0076	0.0078	0.0078	0.0088
05:00 AM - 06:00 AM	0.0076	0.0077	0.0074	0.0079	0.0077	0.0078	0.0081
06:00 AM - 07:00 AM	0.0076	0.0077	0.0077	0.0078	0.0075	0.0079	0.0078
07:00 AM - 08:00 AM	0.0078	0.0078	0.0077	0.0077	0.0077	0.0079	0.0079
08:00 AM - 09:00 AM	0.0077	0.0078	0.0077	0.0077	0.0078	0.0079	0.0084
09:00 AM - 10:00 AM	0.0077	0.0078	0.0076	0.0077	0.0077	0.0079	0.0085
Average	0.0074	0.0079	0.0077	0.0077	0.0077	0.0078	0.0075
1hr - Maximum	0.0083	0.0104	0.0089	0.0088	0.0095	0.0084	0.0090
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							

Approved by

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Supervisor

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539534

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: 3332931-1

Page 1 of 1

Sample Description	Air Quality						
Location	ชุมชนบ้านเขาบางชัน (GPS 47P 0790574, 1555767)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	May 28, 2025 - Jun 04, 2025						
Measurement by	Khunakon Manchuan						
Time	2539534-36 May 28, 2025	2539534-37 May 29, 2025	2539534-38 May 30, 2025	2539534-39 May 31, 2025	2539534-40 Jun 01, 2025	2539534-41 Jun 02, 2025	2539534-42 Jun 03, 2025
12:00 PM - 01:00 PM	0.0052	0.0050	0.0050	0.0047	0.0048	0.0048	0.0048
01:00 PM - 02:00 PM	0.0052	0.0050	0.0049	0.0048	0.0048	0.0048	0.0049
02:00 PM - 03:00 PM	0.0052	0.0051	0.0048	0.0048	0.0048	0.0048	0.0048
03:00 PM - 04:00 PM	0.0051	0.0051	0.0048	0.0048	0.0048	0.0048	0.0048
04:00 PM - 05:00 PM	0.0052	0.0051	0.0048	0.0048	0.0048	0.0048	0.0048
05:00 PM - 06:00 PM	0.0051	0.0051	0.0048	0.0048	0.0048	0.0048	0.0048
06:00 PM - 07:00 PM	0.0051	0.0051	0.0049	0.0048	0.0048	0.0049	0.0048
07:00 PM - 08:00 PM	0.0051	0.0051	0.0048	0.0048	0.0048	0.0048	0.0049
08:00 PM - 09:00 PM	0.0051	0.0051	0.0048	0.0048	0.0048	0.0048	0.0048
09:00 PM - 10:00 PM	0.0051	0.0051	0.0048	0.0048	0.0048	0.0048	0.0048
10:00 PM - 11:00 PM	0.0051	0.0050	0.0048	0.0048	0.0048	0.0048	0.0049
11:00 PM - 12:00 AM	0.0051	0.0050	0.0048	0.0048	0.0048	0.0048	0.0049
12:00 AM - 01:00 AM	0.0051	0.0050	0.0048	0.0048	0.0048	0.0048	0.0048
01:00 AM - 02:00 AM	0.0051	0.0050	0.0048	0.0048	0.0049	0.0048	0.0049
02:00 AM - 03:00 AM	0.0050	0.0050	0.0048	0.0048	0.0048	0.0049	0.0049
03:00 AM - 04:00 AM	0.0050	0.0051	0.0048	0.0048	0.0048	0.0049	0.0048
04:00 AM - 05:00 AM	0.0051	0.0050	0.0048	0.0048	0.0048	0.0049	0.0049
05:00 AM - 06:00 AM	0.0051	0.0050	0.0048	0.0047	0.0048	0.0049	0.0048
06:00 AM - 07:00 AM	0.0050	0.0050	0.0048	0.0048	0.0048	0.0048	0.0049
07:00 AM - 08:00 AM	0.0050	0.0050	0.0048	0.0048	0.0048	0.0048	0.0054
08:00 AM - 09:00 AM	0.0050	0.0050	0.0048	0.0048	0.0048	0.0048	0.0055
09:00 AM - 10:00 AM	0.0051	0.0049	0.0048	0.0048	0.0048	0.0049	0.0053
10:00 AM - 11:00 AM	0.0051	0.0050	0.0049	0.0048	0.0048	0.0049	0.0053
11:00 AM - 12:00 PM	0.0051	0.0050	0.0050	0.0048	0.0048	0.0048	0.0052
Average	0.0051	0.0050	0.0048	0.0048	0.0048	0.0048	0.0049
1hr - Maximum	0.0052	0.0051	0.0050	0.0048	0.0049	0.0049	0.0055
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							

Approved by

Tanyatorm Mongkonjirawat
Supervisor

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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14494-21/ EMAIL

S:\Reports_Air SOxNOx.rpt (5:06PM)



Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539538

Date Received :Jun 06, 2025

Date Reported :Jun 12, 2025

Report Number :3292006-1

Sample Number 2539538-1 to 7

Parameter Wind Speed / Wind Direction

Location วัดอ่างศิลา (GPS 47P 0792397, 1554150)

Sampling Date May 28 - Jun 04, 2025

Sampling by Khunakon Manchuan

Time	May 28 - May 29, 2025		May 29 - May 30, 2025		May 30 - May 31, 2025		May 31 - Jun 01, 2025		Jun 01 - Jun 02, 2025		Jun 02 - Jun 03, 2025		Jun 03 - Jun 04, 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	1.0	213.0	SSW	0.8	92.0	E	0.6	207.0	SSW	0.8	35.0	NE	1.4	202.0
12:00 PM - 01:00 PM	0.8	127.0	SE	0.7	207.0	SSW	0.5	199.0	SSW	0.6	28.0	NNE	0.8	208.0
01:00 PM - 02:00 PM	0.2	-	-	0.2	-	-	1.9	209.0	SSW	1.8	48.0	NE	0.7	220.0
02:00 PM - 03:00 PM	0.4	239.0	WSW	0.9	81.0	E	0.8	176.0	S	0.5	301.0	WNW	1.3	206.0
03:00 PM - 04:00 PM	1.3	206.0	SSW	0.7	191.0	S	1.9	214.0	SW	1.4	358.0	N	1.7	175.0
04:00 PM - 05:00 PM	0.6	268.0	W	0.0	-	-	1.2	220.0	SW	1.2	320.0	NW	1.2	209.0
05:00 PM - 06:00 PM	0.6	260.0	W	0.5	234.0	SW	0.5	204.0	SSW	1.0	264.0	W	1.3	204.0
06:00 PM - 07:00 PM	0.8	260.0	W	1.3	233.0	SW	0.3	8.0	N	0.7	357.0	N	2.9	198.0
07:00 PM - 08:00 PM	0.2	-	-	0.5	61.0	ENE	0.8	87.0	E	0.2	-	-	1.4	198.0
08:00 PM - 09:00 PM	0.7	258.0	WSW	0.4	232.0	SW	0.3	99.0	E	0.0	-	-	0.4	203.0
09:00 PM - 10:00 PM	0.8	229.0	SW	0.7	324.0	NW	1.8	169.0	S	0.1	-	-	0.4	190.0
10:00 PM - 11:00 PM	0.8	210.0	SSW	0.5	0.0	N	0.5	324.0	NW	0.9	111.0	ESE	0.5	33.0
11:00 PM - 12:00 AM	0.0	-	-	0.9	17.0	NNE	0.7	0.0	N	1.4	73.0	ENE	0.9	67.0
12:00 AM - 01:00 AM	0.2	-	-	0.0	-	-	0.4	23.0	NNE	0.4	52.0	NE	1.0	95.0
01:00 AM - 02:00 AM	0.2	-	-	0.5	36.0	NE	0.0	-	-	0.9	224.0	SW	0.1	-
02:00 AM - 03:00 AM	0.4	24.0	NNE	0.0	-	-	0.6	26.0	NNE	0.3	61.0	ENE	0.7	48.0
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.8	288.0	WNW	0.0	-
04:00 AM - 05:00 AM	0.0	-	-	0.8	46.0	NE	0.0	-	-	1.6	47.0	NE	0.2	-
05:00 AM - 06:00 AM	0.6	69.0	ENE	0.0	-	-	0.5	43.0	NE	0.0	-	-	0.3	14.0
06:00 AM - 07:00 AM	1.5	23.0	NNE	1.5	35.0	NE	1.2	40.0	NE	0.3	347.0	NNW	0.3	26.0
07:00 AM - 08:00 AM	0.0	-	-	0.4	50.0	NE	0.5	9.0	N	0.1	-	-	0.8	248.0
08:00 AM - 09:00 AM	1.9	298.0	WNW	0.0	-	-	0.2	-	-	1.6	338.0	NNW	0.7	184.0
09:00 AM - 10:00 AM	0.4	303.0	WNW	0.6	174.0	S	0.3	64.0	ENE	0.0	-	-	0.7	214.0
10:00 AM - 11:00 AM	0.1	-	-	1.0	64.0	ENE	1.0	40.0	NE	1.7	203.0	SSW	1.8	209.0

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

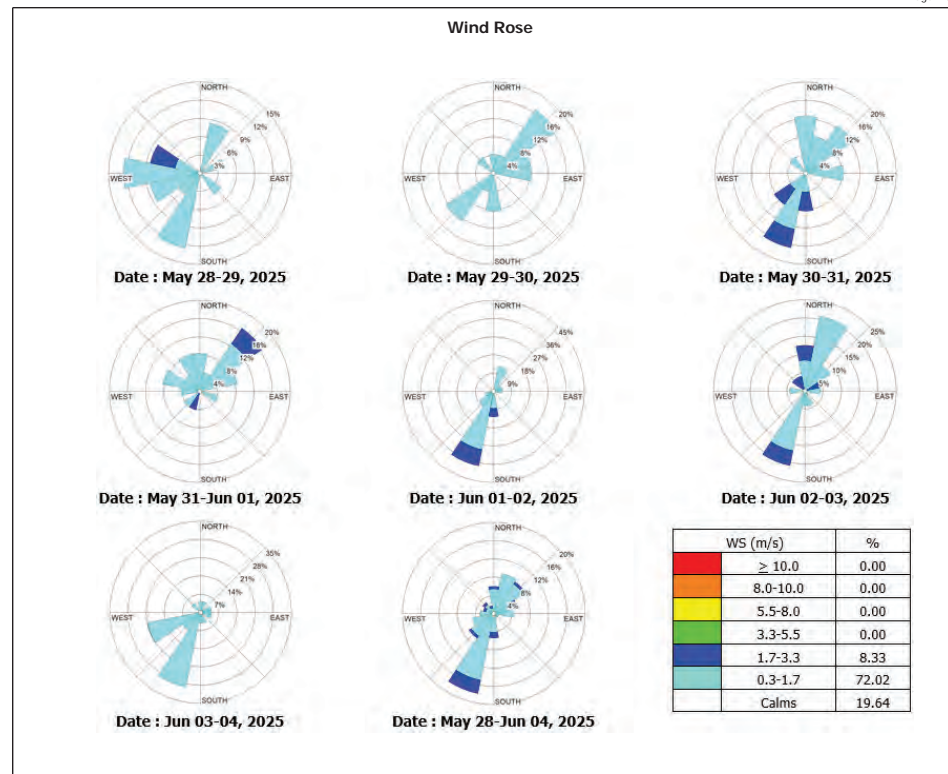
Lot ID: 2539538

Date Received :Jun 06, 2025

Date Reported :Jun 12, 2025

Report Number :3292006-1

Page 2 of 2



Location : วัดอ่างศิลา (GPS 47P 0792397, 1554150)

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539538

Date Received :Jun 06, 2025

Date Reported :Jun 12, 2025

Report Number :3292006-1

Sample Number 2539538-8 to 14

Parameter Wind Speed / Wind Direction

Location วัดสระตูละคราห์ (GPS 47P 0792644, 1550250)

Sampling Date May 28 - Jun 04, 2025

Sampling by Khunakon Manchuan

Time	May 28 - May 29, 2025			May 29 - May 30, 2025			May 30 - May 31, 2025			May 31 - Jun 01, 2025			Jun 01 - Jun 02, 2025			Jun 02 - Jun 03, 2025			Jun 03 - Jun 04, 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)	
02:00 PM - 03:00 PM	0.6	311.0	NW	1.6	186.0	S	1.9	205.0	SSW	0.0	-	-	1.9	263.0	W	2.4	227.0	SW	1.5	220.0	SW
03:00 PM - 04:00 PM	0.3	284.0	WNW	0.9	330.0	NNW	0.3	197.0	SSW	0.0	-	-	1.2	171.0	S	3.2	276.0	W	0.8	194.0	SSW
04:00 PM - 05:00 PM	1.8	299.0	WNW	1.9	294.0	WNW	0.0	-	-	0.8	52.0	NE	0.9	242.0	WSW	2.4	297.0	WNW	1.3	248.0	WSW
05:00 PM - 06:00 PM	0.0	-	-	0.7	258.0	WSW	0.7	174.0	S	0.0	-	-	1.0	301.0	WNW	1.8	244.0	WSW	0.1	-	-
06:00 PM - 07:00 PM	0.5	142.0	SE	1.5	95.0	E	1.6	212.0	SSW	1.6	122.0	ESE	1.1	260.0	W	1.2	226.0	SW	0.0	-	-
07:00 PM - 08:00 PM	0.3	268.0	W	1.1	183.0	S	0.5	218.0	SW	0.5	308.0	NW	0.9	275.0	W	1.4	238.0	WSW	0.5	249.0	WSW
08:00 PM - 09:00 PM	0.4	286.0	WNW	0.5	186.0	S	0.7	202.0	SSW	0.8	286.0	WNW	1.3	248.0	WSW	0.5	97.0	E	1.4	114.0	ESE
09:00 PM - 10:00 PM	0.2	-	-	0.0	-	-	0.4	6.0	N	1.4	330.0	NNW	0.0	-	-	0.5	101.0	E	0.8	217.0	SW
10:00 PM - 11:00 PM	0.0	-	-	0.3	183.0	S	1.0	85.0	E	0.4	309.0	NW	0.7	293.0	WNW	0.0	-	-	0.5	208.0	SSW
11:00 PM - 12:00 AM	0.0	-	-	0.5	297.0	WNW	0.6	97.0	E	0.6	279.0	W	1.3	255.0	WSW	0.0	-	-	0.4	208.0	SSW
12:00 AM - 01:00 AM	0.5	280.0	W	0.0	-	-	0.4	167.0	SSE	0.0	-	-	0.5	261.0	W	0.4	95.0	E	0.0	-	-
01:00 AM - 02:00 AM	0.2	-	-	0.6	43.0	NE	1.2	322.0	NW	0.7	301.0	WNW	0.0	-	-	0.3	232.0	SW	0.0	-	-
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	0.2	-	-	0.2	-	-	0.4	90.0	E	0.0	-	-	0.0	-	-
03:00 AM - 04:00 AM	0.3	332.0	NNW	1.5	127.0	SE	1.3	21.0	NNE	0.6	139.0	SE	0.0	-	-	0.0	-	-	0.3	335.0	NNW
04:00 AM - 05:00 AM	0.6	333.0	NNW	0.8	55.0	NE	0.7	53.0	NE	1.2	64.0	ENE	0.0	-	-	0.0	-	-	0.0	-	-
05:00 AM - 06:00 AM	0.2	-	-	0.0	-	-	0.4	24.0	NNE	0.7	51.0	NE	1.5	15.0	NNE	0.7	88.0	E	1.3	17.0	NNE
06:00 AM - 07:00 AM	0.7	77.0	ENE	1.2	126.0	SE	1.1	66.0	ENE	1.6	22.0	NNE	0.0	-	-	0.0	-	-	0.8	34.0	NE
07:00 AM - 08:00 AM	0.0	-	-	0.4	101.0	E	0.5	44.0	NE	0.7	324.0	NW	0.8	13.0	NNE	0.0	-	-	0.6	84.0	E
08:00 AM - 09:00 AM	1.1	81.0	E	2.2	121.0	ESE	1.7	41.0	NE	0.3	27.0	NNE	1.0	38.0	NE	0.8	317.0	NW	0.2	-	-
09:00 AM - 10:00 AM	0.8	73.0	ENE	1.4	63.0	ENE	0.9	38.0	NE	1.2	81.0	E	1.1	38.0	NE	1.6	285.0	WNW	0.4	258.0	WSW
10:00 AM - 11:00 AM	0.0	-	-	0.5	110.0	ESE	0.6	7.0	N	0.5	80.0	E	1.4	138.0	SE	1.0	244.0	WSW	1.2	256.0	WSW
11:00 AM - 12:00 PM	2.9	78.0	ENE	0.4	22.0	NNE	0.4	39.0	NE	2.0	335.0	NNW	2.2	251.0	WSW	2.0	259.0	W	0.8	225.0	SW
12:00 PM - 01:00 PM	1.1	73.0	ENE	1.0	101.0	E	0.0	-	-	0.0	-	-	0.3	243.0	WSW	0.3	267.0	W	0.9	244.0	WSW
01:00 PM - 02:00 PM	4.1	55.0	NE	0.0	-	-	0.8	38.0	NE	2.8	303.0	WNW	1.6	320.0	NW	1.9	256.0	WSW	1.1	248.0	WSW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

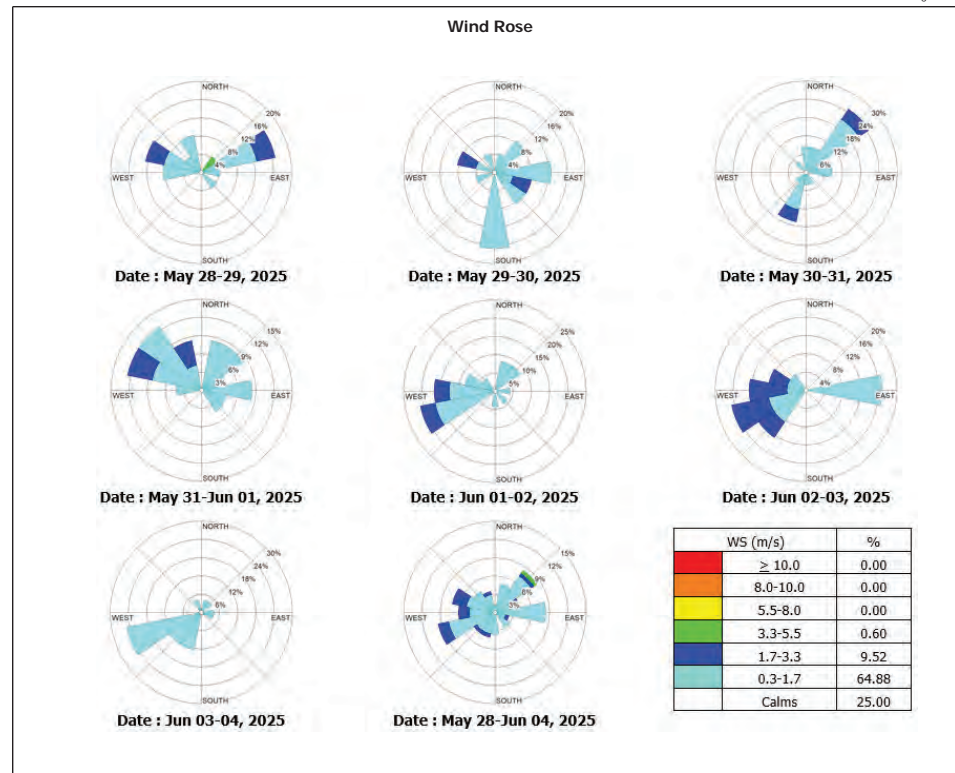
Project Location : GNC

Lot ID: 2539538

Date Received :Jun 06, 2025

Date Reported :Jun 12, 2025

Report Number :3292006-1



Location : วัดสระตูละคราห์ (GPS 47P 0792644, 1550250)

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

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539538

Date Received :Jun 06, 2025

Date Reported :Jun 12, 2025

Report Number :3292006-1

Sample Number 2539538-15 to 21

Parameter Wind Speed / Wind Direction

Location กรุงเทพมหานคร (GPS 47P 0793836, 1554219)

Sampling Date May 28 - Jun 04, 2025

Sampling by Khunakon Manchuan

Time	May 28 - May 29, 2025			May 29 - May 30, 2025			May 30 - May 31, 2025			May 31 - Jun 01, 2025			Jun 01 - Jun 02, 2025			Jun 02 - Jun 03, 2025			Jun 03 - Jun 04, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
10:00 AM - 11:00 AM	1.5	348.0	NNW	1.3	108.0	ESE	1.8	174.0	S	0.7	37.0	NE	1.3	359.0	N	2.1	249.0	WSW	2.4	295.0	WNW
11:00 AM - 12:00 PM	1.8	264.0	W	0.9	174.0	S	0.0	-	-	1.2	68.0	ENE	0.8	280.0	W	0.4	289.0	WNW	1.1	335.0	NNW
12:00 PM - 01:00 PM	1.4	220.0	SW	1.8	317.0	NW	3.0	168.0	SSE	0.7	48.0	NE	1.0	238.0	WSW	2.0	269.0	W	0.5	178.0	S
01:00 PM - 02:00 PM	0.2	-	-	0.7	238.0	WSW	0.7	231.0	SW	1.2	59.0	ENE	1.6	200.0	SSW	0.9	235.0	SW	1.8	269.0	W
02:00 PM - 03:00 PM	1.2	163.0	SSE	0.9	160.0	SSE	1.7	229.0	SW	0.8	118.0	ESE	0.4	288.0	WNW	2.9	282.0	WNW	0.4	200.0	SSW
03:00 PM - 04:00 PM	1.2	194.0	SSW	2.1	252.0	WSW	2.2	214.0	SW	0.7	304.0	NW	2.1	236.0	SW	1.8	243.0	WSW	0.5	299.0	WNW
04:00 PM - 05:00 PM	0.1	-	-	0.9	182.0	S	2.3	217.0	SW	2.0	282.0	WNW	2.0	303.0	WNW	2.9	0.0	N	0.0	-	-
05:00 PM - 06:00 PM	0.7	346.0	NNW	1.4	82.0	E	0.6	33.0	NNE	0.5	326.0	NW	1.9	282.0	WNW	3.0	354.0	N	1.0	46.0	NE
06:00 PM - 07:00 PM	1.4	335.0	NNW	0.5	61.0	ENE	1.3	32.0	NNE	0.0	-	-	1.1	270.0	W	1.3	35.0	NE	1.0	355.0	N
07:00 PM - 08:00 PM	0.2	-	-	0.9	111.0	ESE	0.4	59.0	ENE	0.3	275.0	W	1.6	271.0	W	0.5	56.0	NE	0.7	280.0	W
08:00 PM - 09:00 PM	0.0	-	-	0.4	0.0	N	0.0	-	-	0.0	-	-	0.5	151.0	SSE	1.0	82.0	E	0.3	114.0	ESE
09:00 PM - 10:00 PM	0.0	-	-	0.3	272.0	W	1.5	280.0	W	1.3	297.0	WNW	1.5	246.0	WSW	0.0	-	-	0.0	-	-
10:00 PM - 11:00 PM	0.1	-	-	0.8	0.0	N	0.6	340.0	NNW	0.7	146.0	SE	0.4	159.0	SSE	0.0	-	-	0.2	-	-
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.5	70.0	ENE	0.6	135.0	SE	0.2	-	-	0.0	-	-	0.0	-	-
12:00 AM - 01:00 AM	0.5	120.0	ESE	0.6	47.0	NE	0.0	-	-	0.4	60.0	ENE	0.4	41.0	NE	0.5	55.0	NE	0.0	-	-
01:00 AM - 02:00 AM	0.5	28.0	NNE	0.4	50.0	NE	0.9	68.0	ENE	0.3	47.0	NE	0.1	-	-	0.5	354.0	N	0.0	-	-
02:00 AM - 03:00 AM	1.0	60.0	ENE	0.0	-	-	0.5	70.0	ENE	0.0	-	-	0.5	39.0	NE	0.3	63.0	ENE	0.6	247.0	WSW
03:00 AM - 04:00 AM	2.0	59.0	ENE	0.0	-	-	0.3	57.0	ENE	1.9	320.0	NW	0.0	-	-	0.8	27.0	NNE	0.2	-	-
04:00 AM - 05:00 AM	1.2	50.0	NE	0.2	-	-	0.0	-	-	0.4	23.0	NNE	1.1	183.0	S	1.9	329.0	NNW	0.0	-	-
05:00 AM - 06:00 AM	0.1	-	-	0.0	-	-	0.0	-	-	1.2	77.0	ENE	0.8	116.0	ESE	0.0	-	-	1.7	97.0	E
06:00 AM - 07:00 AM	0.0	-	-	0.4	48.0	NE	0.0	-	-	0.0	-	-	0.4	82.0	E	0.6	74.0	ENE	0.5	186.0	S
07:00 AM - 08:00 AM	0.9	49.0	NE	0.0	-	-	0.2	-	-	0.6	331.0	NNW	0.8	75.0	ENE	1.7	58.0	ENE	0.6	193.0	SSW
08:00 AM - 09:00 AM	0.8	79.0	E	1.6	94.0	E	1.3	64.0	ENE	1.4	65.0	ENE	0.9	198.0	SSW	2.1	354.0	N	0.5	267.0	W
09:00 AM - 10:00 AM	0.6	86.0	E	1.0	81.0	E	0.4	95.0	E	2.7	299.0	WNW	0.4	259.0	W	1.3	319.0	NW	0.7	289.0	WNW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

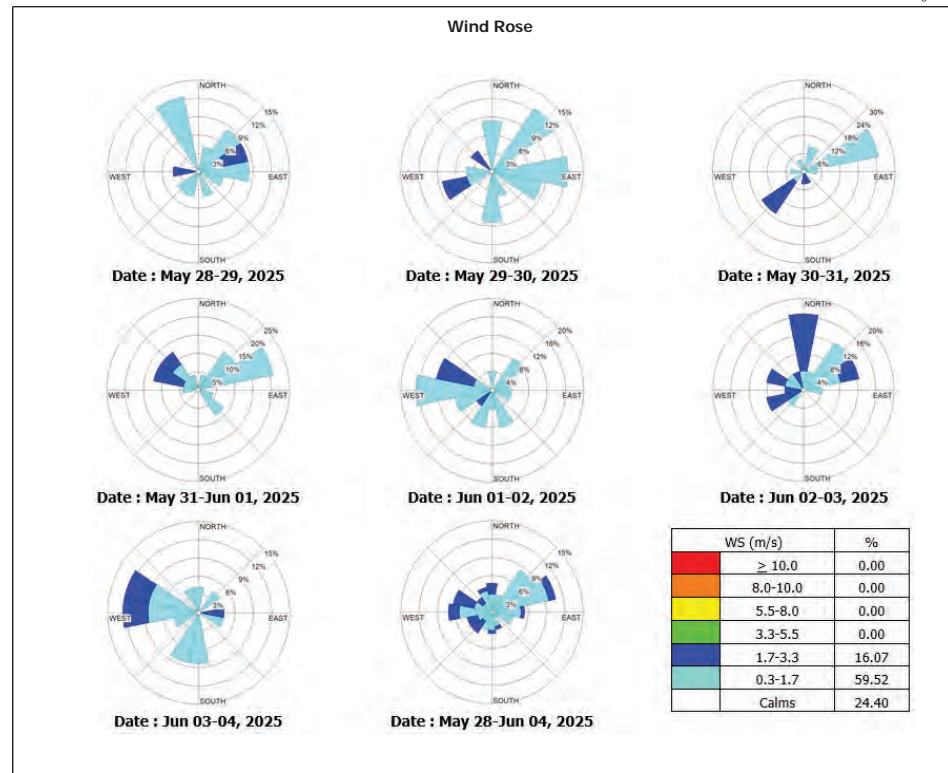
Project Location : GNC

Lot ID: 2539538

Date Received :Jun 06, 2025

Date Reported :Jun 12, 2025

Report Number :3292006-1



Location : กรุงเทพมหานคร (GPS 47P 0793836, 1554219)

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539538

Date Received :Jun 06, 2025

Date Reported :Jun 12, 2025

Report Number :3292006-1

Sample Number 2539538-22 to 28

Parameter Wind Speed / Wind Direction

Location โรงเรียนบ้านโนนสะอาด (GPS 47P 0788792, 1552723)

Sampling Date May 28 - Jun 04, 2025

Sampling by Khunakon Manchuan

Time	May 28 - May 29, 2025		May 29 - May 30, 2025		May 30 - May 31, 2025		May 31 - Jun 01, 2025		Jun 01 - Jun 02, 2025		Jun 02 - Jun 03, 2025		Jun 03 - Jun 04, 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)
01:00 PM - 02:00 PM	1.4	318.0	NW	1.8	270.0	W	3.5	237.0	WSW	0.0	-	-	2.2	249.0
02:00 PM - 03:00 PM	0.8	146.0	SE	1.2	97.0	E	1.7	253.0	WSW	1.0	96.0	E	2.7	271.0
03:00 PM - 04:00 PM	0.5	228.0	SW	0.4	114.0	ESE	1.4	243.0	WSW	1.9	269.0	W	0.7	253.0
04:00 PM - 05:00 PM	0.7	275.0	W	1.1	180.0	S	0.0	-	-	1.3	251.0	WSW	0.5	232.0
05:00 PM - 06:00 PM	0.4	285.0	WNW	0.7	232.0	SW	0.0	-	-	0.7	279.0	W	0.0	-
06:00 PM - 07:00 PM	0.0	-	-	0.5	84.0	E	0.6	195.0	SSW	3.0	233.0	SW	0.0	-
07:00 PM - 08:00 PM	0.0	-	-	0.0	-	-	1.7	257.0	WSW	0.8	234.0	SW	1.6	264.0
08:00 PM - 09:00 PM	0.0	-	-	0.7	248.0	WSW	3.9	262.0	W	0.9	232.0	SW	1.3	273.0
09:00 PM - 10:00 PM	0.3	259.0	W	0.6	210.0	SSW	0.4	252.0	WSW	0.0	-	-	0.9	240.0
10:00 PM - 11:00 PM	0.5	220.0	SW	0.0	-	-	0.0	-	-	0.5	97.0	E	0.5	155.0
11:00 PM - 12:00 AM	0.3	106.0	ESE	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-
12:00 AM - 01:00 AM	0.0	-	-	0.3	168.0	SSE	0.4	92.0	E	0.6	65.0	ENE	0.7	132.0
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.8	229.0
02:00 AM - 03:00 AM	0.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-
04:00 AM - 05:00 AM	0.0	-	-	0.2	-	-	0.4	72.0	ENE	0.0	-	-	0.0	-
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	0.4	98.0	E	0.8	99.0	E	0.0	-
06:00 AM - 07:00 AM	0.6	95.0	E	0.0	-	-	1.3	66.0	ENE	1.4	240.0	WSW	1.1	251.0
07:00 AM - 08:00 AM	0.0	-	-	0.2	-	-	0.0	-	-	1.9	274.0	W	1.6	314.0
08:00 AM - 09:00 AM	0.7	103.0	ESE	1.7	198.0	SSW	0.0	-	-	0.5	261.0	W	0.8	225.0
09:00 AM - 10:00 AM	0.0	-	-	0.6	194.0	SSW	0.6	74.0	ENE	0.8	245.0	WSW	1.8	261.0
10:00 AM - 11:00 AM	0.9	200.0	SSW	0.9	191.0	S	0.3	68.0	ENE	1.7	255.0	WSW	2.0	267.0
11:00 AM - 12:00 PM	0.6	228.0	SW	0.6	264.0	W	0.5	43.0	NE	1.4	242.0	WSW	0.2	-
12:00 PM - 01:00 PM	2.3	213.0	SSW	1.3	247.0	WSW	0.0	-	-	2.2	255.0	WSW	5.0	267.0

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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P/O : 4210602061

Project Name : Monitoring EIA

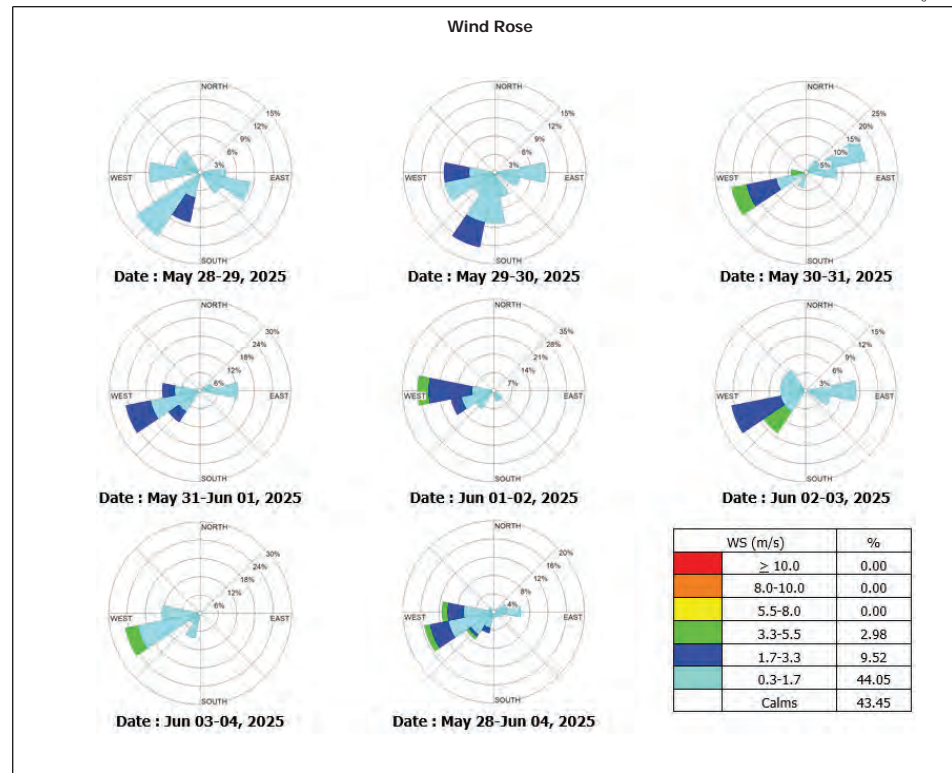
Project Location : GNC

Lot ID: 2539538

Date Received :Jun 06, 2025

Date Reported :Jun 12, 2025

Report Number :3292006-1



Location : โรงเรียนบ้านโนนสะอาด (GPS 47P 0788792, 1552723)

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539538

Date Received :Jun 06, 2025

Date Reported :Jun 12, 2025

Report Number :3292006-1

Sample Number 2539538-29 to 35

Parameter Wind Speed / Wind Direction

Location พื้นที่โครงการ (GPS 47P 0792995, 1553106)

Sampling Date May 28 - Jun 04, 2025

Sampling by Khunakon Manchuan

Time	May 28 - May 29, 2025			May 29 - May 30, 2025			May 30 - May 31, 2025			May 31 - Jun 01, 2025			Jun 01 - Jun 02, 2025			Jun 02 - Jun 03, 2025			Jun 03 - Jun 04, 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	2.6	308.0	NW	0.0	-	-	0.0	-	-	1.0	67.0	ENE	1.7	305.0	NW	0.7	335.0	NNW	1.7	307.0	NW
11:00 AM - 12:00 PM	2.6	281.0	W	1.3	317.0	NW	0.3	154.0	SSE	1.0	73.0	ENE	2.7	273.0	W	0.3	303.0	WNW	1.7	273.0	V
12:00 PM - 01:00 PM	2.1	296.0	WNW	2.5	282.0	WNW	0.0	-	-	1.5	73.0	ENE	0.7	273.0	W	1.3	253.0	WSW	0.8	208.0	SSW
01:00 PM - 02:00 PM	1.3	303.0	WNW	1.6	277.0	W	0.3	125.0	SE	0.6	71.0	ENE	1.7	219.0	SW	2.1	297.0	WNW	3.9	290.0	WNW
02:00 PM - 03:00 PM	0.0	-	-	0.3	139.0	SE	1.8	351.0	N	0.3	8.0	N	3.1	271.0	W	4.0	271.0	W	2.1	260.0	W
03:00 PM - 04:00 PM	2.4	265.0	W	0.0	-	-	0.5	132.0	SE	1.0	289.0	WNW	1.3	269.0	W	3.1	294.0	WNW	2.1	223.0	SW
04:00 PM - 05:00 PM	1.9	283.0	WNW	0.0	-	-	1.8	288.0	WNW	0.7	287.0	WNW	1.5	305.0	NW	0.0	-	-	1.3	301.0	WNW
05:00 PM - 06:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	1.1	295.0	WNW	1.9	290.0	WNW	1.6	305.0	NW	0.3	356.0	N
06:00 PM - 07:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	2.9	258.0	WSW	0.0	-	-	0.0	-	-	0.6	288.0	WNW
07:00 PM - 08:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	2.0	273.0	W	0.0	-	-	0.0	-	-	0.0	-	-
08:00 PM - 09:00 PM	0.9	277.0	W	0.0	-	-	0.0	-	-	0.2	-	-	1.6	293.0	WNW	0.0	-	-	0.0	-	-
09:00 PM - 10:00 PM	0.2	-	-	0.5	0.0	N	0.8	241.0	WSW	0.0	-	-	1.5	278.0	W	0.0	-	-	0.0	-	-
10:00 PM - 11:00 PM	2.4	300.0	WNW	0.0	-	-	1.0	320.0	NW	0.0	-	-	0.0	-	-	0.0	-	-	0.3	53.0	NE
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.5	351.0	N	0.0	-	-	0.0	-	-	1.8	75.0	ENE	0.0	-	-
12:00 AM - 01:00 AM	0.0	-	-	1.5	79.0	E	0.0	-	-	1.2	72.0	ENE	0.0	-	-	0.0	-	-	0.0	-	-
01:00 AM - 02:00 AM	0.8	76.0	ENE	0.9	78.0	ENE	0.4	79.0	E	1.2	69.0	ENE	0.0	-	-	0.0	-	-	0.0	-	-
02:00 AM - 03:00 AM	1.2	74.0	ENE	0.0	-	-	0.6	79.0	E	0.3	77.0	ENE	0.0	-	-	0.0	-	-	0.0	-	-
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	0.3	79.0	E	2.0	88.0	E	0.0	-	-	0.0	-	-	0.0	-	-
04:00 AM - 05:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	2.7	74.0	ENE	0.5	80.0	E	0.0	-	-	0.5	72.0	ENE
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	0.8	77.0	ENE	0.4	85.0	E	0.0	-	-	0.7	15.0	NNE	0.0	-	-
06:00 AM - 07:00 AM	1.7	69.0	ENE	0.0	-	-	0.6	71.0	ENE	0.8	85.0	E	0.0	-	-	0.0	-	-	0.5	74.0	ENE
07:00 AM - 08:00 AM	1.0	75.0	ENE	0.0	-	-	0.8	41.0	NE	0.0	-	-	2.1	281.0	W	0.0	-	-	0.4	42.0	NE
08:00 AM - 09:00 AM	0.2	-	-	0.0	-	-	0.9	76.0	ENE	0.2	-	-	1.7	287.0	WNW	0.1	-	-	0.8	288.0	WNW
09:00 AM - 10:00 AM	0.0	-	-	0.0	-	-	1.1	69.0	ENE	1.0	304.0	NW	1.0	298.0	WNW	0.9	290.0	WNW	1.2	297.0	WNW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

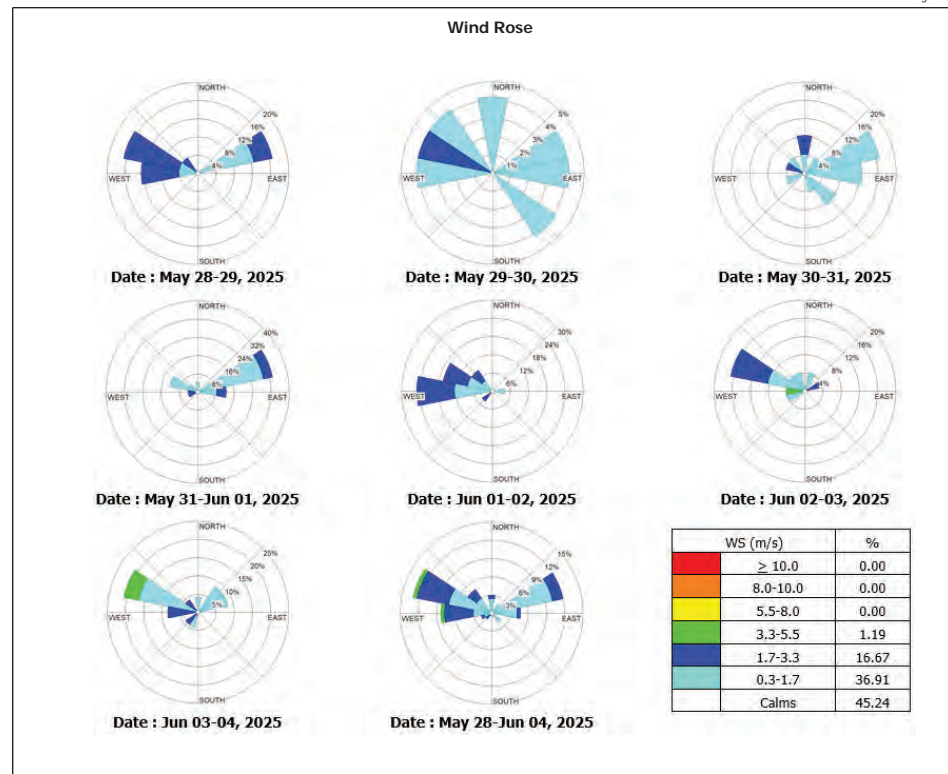
Lot ID: 2539538

Date Received :Jun 06, 2025

Date Reported :Jun 12, 2025

Report Number :3292006-1

Page 2 of 2



Location : พื้นที่โครงการ (GPS 47P 0792995, 1553106)

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Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539538

Date Received :Jun 06, 2025

Date Reported :Jun 12, 2025

Report Number :3292006-1

Page 1 of 2

Sample Number 2539538-36 to 42
Parameter Wind Speed / Wind Direction
Location ภูมิชนบ้านเขาบางจีน (GPS 47P 0790574, 1555767)
Sampling Date May 28 - Jun 04, 2025
Sampling by Khunakon Manchuan

Time	May 28 - May 29, 2025			May 29 - May 30, 2025			May 30 - May 31, 2025			May 31 - Jun 01, 2025			Jun 01 - Jun 02, 2025			Jun 02 - Jun 03, 2025			Jun 03 - Jun 04, 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	3.6	256.0	WSW	0.0	-	-	1.5	190.0	S	0.3	5.0	N	1.3	266.0	W	4.4	276.0	W	0.4	248.0	WSW
01:00 PM - 02:00 PM	6.0	219.0	SW	2.9	328.0	NNW	0.2	-	-	0.4	50.0	NE	2.1	174.0	S	1.1	215.0	SW	1.6	264.0	V
02:00 PM - 03:00 PM	3.3	254.0	WSW	2.5	292.0	WNNW	1.1	245.0	WSW	0.0	-	-	2.9	245.0	WSW	3.6	271.0	W	2.2	317.0	NW
03:00 PM - 04:00 PM	0.0	-	-	1.8	256.0	WSW	2.4	304.0	NW	6.3	298.0	WNNW	2.0	304.0	NW	2.0	194.0	SSW	3.6	185.0	S
04:00 PM - 05:00 PM	0.4	248.0	WSW	0.7	93.0	E	0.8	241.0	WSW	1.2	287.0	WNNW	1.8	263.0	W	0.4	342.0	NNW	2.2	186.0	S
05:00 PM - 06:00 PM	1.3	301.0	WNNW	0.5	181.0	S	0.5	311.0	NW	1.3	321.0	NW	1.3	278.0	W	0.0	-	-	1.7	256.0	WSW
06:00 PM - 07:00 PM	0.0	-	-	0.0	-	-	0.8	335.0	NNW	0.6	315.0	NW	0.0	-	-	3.1	313.0	NW	0.5	268.0	W
07:00 PM - 08:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	6.6	286.0	WNNW	0.0	-	-	0.9	323.0	NW	0.0	-	-
08:00 PM - 09:00 PM	0.0	-	-	0.0	-	-	0.6	23.0	NNE	1.6	316.0	NW	0.0	-	-	1.6	118.0	ESE	0.0	-	-
09:00 PM - 10:00 PM	0.0	-	-	0.6	295.0	WNNW	3.8	325.0	NW	0.5	264.0	W	1.9	258.0	WSW	0.4	109.0	ESE	0.0	-	-
10:00 PM - 11:00 PM	6.4	343.0	NNW	0.4	314.0	NW	1.1	179.0	S	0.0	-	-	0.0	-	-	0.0	-	-	0.6	275.0	W
11:00 PM - 12:00 AM	4.0	328.0	NNW	1.3	41.0	NE	0.6	11.0	N	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
12:00 AM - 01:00 AM	0.0	-	-	0.4	30.0	NNE	0.0	-	-	1.3	84.0	E	1.3	93.0	E	1.0	70.0	ENE	0.4	270.0	W
01:00 AM - 02:00 AM	0.0	-	-	0.8	125.0	SE	1.7	331.0	NNW	1.5	75.0	ENE	0.0	-	-	0.8	15.0	NNE	0.0	-	-
02:00 AM - 03:00 AM	1.9	20.0	NNE	3.2	53.0	NE	0.5	108.0	ESE	2.2	149.0	SSE	0.0	-	-	0.3	85.0	E	1.9	35.0	NE
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	0.3	66.0	ENE	1.1	61.0	ENE	1.8	18.0	NNE	0.0	-	-	0.0	-	-
04:00 AM - 05:00 AM	0.0	-	-	0.2	-	-	1.6	108.0	ESE	1.2	95.0	E	1.8	17.0	NNE	1.7	6.0	N	0.0	-	-
05:00 AM - 06:00 AM	0.4	36.0	NE	0.0	-	-	0.7	141.0	SE	3.0	16.0	NNE	0.0	-	-	0.0	-	-	0.7	38.0	NE
06:00 AM - 07:00 AM	0.0	-	-	0.9	119.0	ESE	2.6	91.0	E	0.0	-	-	0.6	41.0	NE	0.0	-	-	0.0	-	-
07:00 AM - 08:00 AM	0.0	-	-	0.0	-	-	1.9	58.0	ENE	1.3	86.0	E	0.0	-	-	2.4	80.0	E	0.5	44.0	NE
08:00 AM - 09:00 AM	1.3	46.0	NE	2.1	108.0	ESE	0.8	43.0	NE	0.0	-	-	1.6	141.0	SE	0.0	-	-	2.8	251.0	WSW
09:00 AM - 10:00 AM	2.1	70.0	ENE	1.4	20.0	NNE	4.1	37.0	NE	0.7	316.0	NW	0.3	254.0	WSW	1.8	277.0	W	1.7	276.0	W
10:00 AM - 11:00 AM	1.0	16.0	NNE	0.0	-	-	1.3	138.0	SE	4.7	313.0	NW	2.8	246.0	WSW	2.3	332.0	NNW	1.3	335.0	NNW
11:00 AM - 12:00 PM	2.9	103.0	ESE	0.0	-	-	1.0	73.0	ENE	0.3	325.0	NW	1.4	323.0	NW	1.9	342.0	NNW	0.0	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

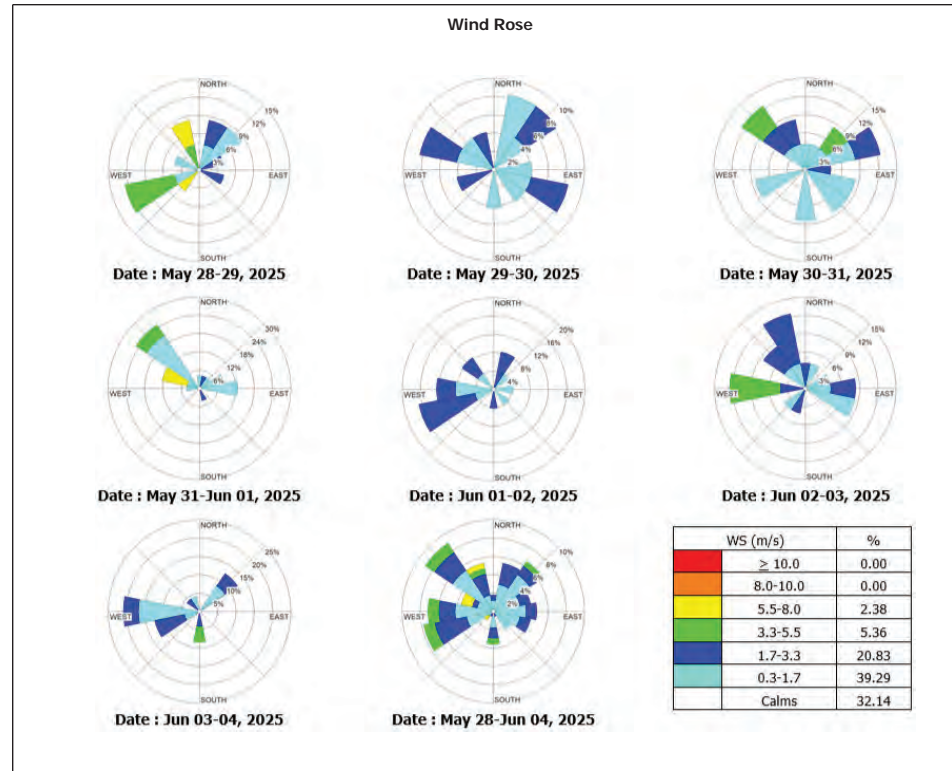
Lot ID: 2539538

Date Received :Jun 06, 2025

Date Reported :Jun 12, 2025

Report Number :3292006-1

Page 2 of 2



Location : ภูมิชนบ้านเขาบางจีน (GPS 47P 0790574, 1555767)

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Assistant General Manager

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ภาคผนวก ค-2

คุณภาพอากาศจากปล่องระบาย



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0042

Lot ID: 2539571
Date Received : May 30, 2025
Date Reported : Jun 09, 2025
Report Number: 3292092-1

Page 1 of 2

Sample Number 2539571-1
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 11
Date Analysis Commenced Jun 02, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.2	%
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.9	%
Type of Process	Combustion		Stack Temperature	110	°C	Gas Velocity	16.8	m/s
Type of Fuel	Natural Gas		Moisture	9.90	%	Flow Rate (Actual O2)	370516	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Result at 14.2 % O ₂	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	02:30 PM - 03:06 PM	mg/m3	-	0.5	<0.5	<0.5	28	60	U.S. Environmental Protection Agency 40 CFR method 5, Appendix A, December 7, 2020 (Include sampling)	Rayong

Guideline :

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0029

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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14494-21/ EMAIL

S:\Reports_Air Stack_O2_2GL.rpt (11:04AM)



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0042

Lot ID: 2539571
Date Received : May 30, 2025
Date Reported : Jun 09, 2025
Report Number: 3292092-1

Page 2 of 2

Sample Number 2539571-1
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 11
Date Analysis Commenced Jun 02, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.2	%
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.9	%
Type of Process	Combustion		Stack Temperature	110	°C	Gas Velocity	16.8	m/s
Type of Fuel	Natural Gas		Moisture	9.90	%	Flow Rate (Actual O2)	370516	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	02:30 PM - 03:06 PM	g/s	-	-	<0.051	1.7	-	Calculated	Rayong

Guideline :

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

Sampling By : Sittipan Sanachiw ทะเบียนเลขที่ ว-323-จ-0009

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

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0029

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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14494-21/ EMAIL

S:\Reports_Air Stack_O2_2GL.rpt (11:04AM)



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539567
Date Received :Jun 02, 2025
Date Reported :Jun 10, 2025
Report Number :3292088-1

Page 1 of 1

Sample Number 2539567-1
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 11
Sampled Date May 29, 2025

Stack Description

Ambient Temperature	32.3 °C	Diameter	3.35 m	Oxygen	14.15 %
Ambient Pressure	754.7 mmHg	Shape	Circle	Carbon dioxide	3.94 %
Type of Process	Combustion	Stack Temperature	111 °C	Gas Velocity	16.78 m/s
Type of Fuel	Natural Gas	Moisture	9.85 %	Flow Rate	370274 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂
1	02:30 PM - 02:50 PM	14.15	3.94	26.13	53.79	0.56	1.14
2	02:51 PM - 03:11 PM	14.15	3.94	26.89	55.33	0.56	1.15
3	03:12 PM - 03:32 PM	14.15	3.94	25.19	51.85	0.53	1.09
Average (ppm)		14.15	3.94	26.07	53.66	0.55	1.13
Guideline ^{1/} (ppm)				-	60	-	6
Guideline ^{2/} (ppm)				-	120	-	20
Result (mg/Nm ³)				49.05	100.95	1.43	2.95
Emission Rate at Actual O ₂ (g/s)				5.0448		0.1475	
Guideline ^{1/} (g/s)				7.40		1.00	
Method				US EPA Method 7E		US EPA Method 6C	

Sampled By : Saksit Phaisanphisut

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

^{2/}Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management

Wichan Choonharat

Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-0006

Approved by

Sarayuth Jittranont

Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-0003

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539567
Date Received :Jun 02, 2025
Date Reported :Jun 10, 2025
Report Number :3292088-1

Page 1 of 1

Sample Number 2539567-1
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 11
Sampled Date May 29, 2025

Stack Description

Ambient Temperature	32.3 °C	Diameter	3.35 m	Oxygen	14.15 %
Ambient Pressure	754.7 mmHg	Shape	Circle	Carbon dioxide	3.94 %
Type of Process	Combustion	Stack Temperature	111 °C	Gas Velocity	16.78 m/s
Type of Fuel	Natural Gas	Moisture	9.85 %	Flow Rate	370274 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Carbon Monoxide (ppm)	
				at Actual O ₂	At 7% O ₂
1	02:30 PM - 02:50 PM	14.15	3.94	68.10	140.19
2	02:51 PM - 03:11 PM	14.15	3.94	67.22	138.32
3	03:12 PM - 03:32 PM	14.15	3.94	67.90	139.76
Average (ppm)		14.15	3.94	67.74	139.43
Guideline (ppm)				-	690
Result (mg/Nm ³)				77.58	159.67
Emission Rate at Actual O ₂ (g/s)				7.9791	
Method				US EPA Method 10	

Sampled By : Saksit Phaisanphisut

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

Technical Management

Wichan Choonharat

Wichan Choonharat
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Approved by

Sarayuth Jittranont

Sarayuth Jittranont
Assistant General Manager
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Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539573
Date Received : May 30, 2025
Date Reported : Jun 09, 2025
Report Number: 3292095-1

Page 1 of 2

Sample Number 2539573-1
Sampled Date May 30, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Date Analysis Commenced Jun 02, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	756	mmHg	Diameter	3.35	m	Oxygen	14.8	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	3.7	%
Type of Process	Combustion		Stack Temperature	109	°C	Gas Velocity	15.6	m/s
Type of Fuel	Natural Gas		Moisture	8.08	%	Flow Rate (Actual O2)	351477	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Result at 14.8 % O ₂	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	10:30 AM - 11:06 AM	mg/m3	-	0.5	<0.5	<0.5	28	60	U.S. Environmental Protection Agency 40 CFR method 5, Appendix A, December 7, 2020 (Include sampling)	Rayong

Guideline :

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

Technical Management

Thanita K.

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Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0029

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539573
Date Received : May 30, 2025
Date Reported : Jun 09, 2025
Report Number: 3292095-1

Page 2 of 2

Sample Number 2539573-1
Sampled Date May 30, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Date Analysis Commenced Jun 02, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	756	mmHg	Diameter	3.35	m	Oxygen	14.8	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	3.7	%
Type of Process	Combustion		Stack Temperature	109	°C	Gas Velocity	15.6	m/s
Type of Fuel	Natural Gas		Moisture	8.08	%	Flow Rate (Actual O2)	351477	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	10:30 AM - 11:06 AM	g/s	-	-	<0.049	1.7	-	Calculated	Rayong

Guideline :

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

Sampling By : Sittipan Sanachiw ทะเบียนเลขที่ ว-323-จ-0009

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

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0029

Approved by

D. Johnson

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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14494-21/ EMAIL

S:\Reports_Air Stack_O2_2GL.rpt (11:06AM)



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539570
Date Received :Jun 02, 2025
Date Reported :Jun 10, 2025
Report Number :3292090-1

Page 1 of 1

Sample Number 2539570-1
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Sampled Date May 30, 2025

Stack Description

Ambient Temperature	30 °C	Diameter	3.35 m	Oxygen	14.82 %
Ambient Pressure	755.5 mmHg	Shape	Circle	Carbon dioxide	3.74 %
Type of Process	Combustion	Stack Temperature	109 °C	Gas Velocity	15.59 m/s
Type of Fuel	Natural Gas	Moisture	9.86 %	Flow Rate	345500 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂
1	10:20 AM - 10:40 AM	14.81	3.76	17.23	39.36	0.12	0.27
2	10:41 AM - 11:01 AM	14.84	3.72	14.64	33.59	0.18	0.41
3	11:02 AM - 11:22 AM	14.79	3.74	15.51	35.32	0.18	0.41
Average (ppm)		14.82	3.74	15.79	36.09	0.16	0.37
Guideline ^{1/} (ppm)				-	60	-	6
Guideline ^{2/} (ppm)				-	120	-	20
Result (mg/Nm ³)				29.72	67.90	0.42	0.96
Emission Rate at Actual O ₂ (g/s)				2.8519		0.0402	
Guideline ^{1/} (g/s)				7.40		1.00	
Method				US EPA Method 7E		US EPA Method 6C	

Sampled By : Saksit Phaisanphisut

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

^{2/}Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.

Technical Management

Wichan Choonharat

Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-0006

Approved by

Sarayuth Jittranont

Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-0003

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539570
Date Received :Jun 02, 2025
Date Reported :Jun 10, 2025
Report Number :3292090-1

Page 1 of 1

Sample Number 2539570-1
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Sampled Date May 30, 2025

Stack Description

Ambient Temperature	30 °C	Diameter	3.35 m	Oxygen	14.82 %
Ambient Pressure	755.5 mmHg	Shape	Circle	Carbon dioxide	3.74 %
Type of Process	Combustion	Stack Temperature	109 °C	Gas Velocity	15.59 m/s
Type of Fuel	Natural Gas	Moisture	9.86 %	Flow Rate	345500 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Carbon Monoxide (ppm)	
				at Actual O ₂	at 7% O ₂
1	10:20 AM - 10:40 AM	14.81	3.76	36.26	82.83
2	10:41 AM - 11:01 AM	14.84	3.72	35.70	81.91
3	11:02 AM - 11:22 AM	14.79	3.74	35.36	80.52
Average (ppm)		14.82	3.74	35.77	81.75
Guideline (ppm)				-	690
Result (mg/Nm ³)				40.97	93.62
Emission Rate at Actual O ₂ (g/s)				3.9318	
Method				US EPA Method 10	

Sampled By : Saksit Phaisanphisut

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

Technical Management

Wichan Choonharat

Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-0006

Approved by

Sarayuth Jittranont

Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-0003

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ภาคผนวก ค-3

ระดับเสียงทั่วไป



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539547

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: 3332241-1

Page 1 of 1

Sample Number 2539547-1
Parameter Noise (Leq 24 hrs.)
Location พื้นที่โครงการ (บริเวณเริ่มรั้วโครงการ ด้านทิศตะวันตก) (GPS 47P 0792778, 1552935)
Measurement Date May 28 - May 29, 2025
Measurement by Kantaphon Maneesampan
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	60.7	75.8	60.1
11:00 AM - 12:00 PM	60.8	69.8	60.3
12:00 PM - 01:00 PM	60.8	69.6	60.2
01:00 PM - 02:00 PM	60.6	69.9	60.1
02:00 PM - 03:00 PM	60.6	70.4	60.1
03:00 PM - 04:00 PM	60.6	71.0	60.1
04:00 PM - 05:00 PM	60.9	71.5	60.4
05:00 PM - 06:00 PM	61.0	70.3	60.6
06:00 PM - 07:00 PM	62.0	76.0	61.5
07:00 PM - 08:00 PM	62.1	70.6	61.6
08:00 PM - 09:00 PM	62.2	70.3	61.9
09:00 PM - 10:00 PM	62.3	70.4	61.9
10:00 PM - 11:00 PM	62.2	70.2	61.8
11:00 PM - 12:00 AM	62.2	70.1	61.7
12:00 AM - 01:00 AM	62.0	70.2	61.6
01:00 AM - 02:00 AM	61.9	70.4	61.6
02:00 AM - 03:00 AM	61.9	70.2	61.5
03:00 AM - 04:00 AM	61.7	70.2	61.3
04:00 AM - 05:00 AM	61.7	70.3	61.3
05:00 AM - 06:00 AM	60.9	69.2	60.2
06:00 AM - 07:00 AM	61.7	73.6	59.8
07:00 AM - 08:00 AM	60.5	83.4	59.6
08:00 AM - 09:00 AM	61.2	85.0	59.8
09:00 AM - 10:00 AM	62.7	75.9	61.1

Leq Average 24 hrs. (dB(A))

61.5

Lmax (dB(A))

85.0

L90 (dB(A))

60.6

Ldn (dB(A))

68.2

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (9:58AM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539547

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: 3332242-1

Page 1 of 1

Sample Number 2539547-2
Parameter Noise (Leq 24 hrs.)
Location พื้นที่โครงการ (บริเวณเริ่มรั้วโครงการ ด้านทิศตะวันตก) (GPS 47P 0792778, 1552935)
Measurement Date May 29 - May 30, 2025
Measurement by Kantaphon Maneesampan
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	61.2	74.9	60.7
11:00 AM - 12:00 PM	61.0	69.6	60.5
12:00 PM - 01:00 PM	61.2	74.4	60.6
01:00 PM - 02:00 PM	61.0	73.3	60.6
02:00 PM - 03:00 PM	61.0	69.6	60.5
03:00 PM - 04:00 PM	61.1	70.4	60.5
04:00 PM - 05:00 PM	61.0	73.8	60.4
05:00 PM - 06:00 PM	61.1	73.5	60.6
06:00 PM - 07:00 PM	61.1	69.7	60.5
07:00 PM - 08:00 PM	62.1	70.7	61.6
08:00 PM - 09:00 PM	62.9	70.9	62.2
09:00 PM - 10:00 PM	62.9	71.4	62.1
10:00 PM - 11:00 PM	62.0	70.7	61.5
11:00 PM - 12:00 AM	61.9	71.3	61.4
12:00 AM - 01:00 AM	61.8	70.5	61.4
01:00 AM - 02:00 AM	61.7	70.4	61.4
02:00 AM - 03:00 AM	61.8	70.4	61.4
03:00 AM - 04:00 AM	61.7	70.3	61.3
04:00 AM - 05:00 AM	61.8	70.4	61.3
05:00 AM - 06:00 AM	62.0	73.9	61.3
06:00 AM - 07:00 AM	61.4	74.8	60.1
07:00 AM - 08:00 AM	60.3	69.7	59.7
08:00 AM - 09:00 AM	59.9	71.4	59.4
09:00 AM - 10:00 AM	59.9	74.7	59.3

Leq Average 24 hrs. (dB(A))

61.5

Lmax (dB(A))

74.9

L90 (dB(A))

60.6

Ldn (dB(A))

68.1

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (9:59AM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539547

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: 3332243-1

Page 1 of 1

Sample Number 2539547-3
Parameter Noise (Leq 24 hrs.)
Location พื้นที่โครงการ (บริเวณเริ่มรั้วโครงการ ด้านทิศตะวันตก) (GPS 47P 0792778, 1552935)
Measurement Date May 30 - May 31, 2025
Measurement by Kantaphon Maneesampan
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.9	70.5	59.4
11:00 AM - 12:00 PM	59.7	70.5	59.1
12:00 PM - 01:00 PM	62.5	93.2	59.6
01:00 PM - 02:00 PM	62.7	86.0	61.2
02:00 PM - 03:00 PM	61.3	70.0	60.9
03:00 PM - 04:00 PM	61.1	73.5	60.5
04:00 PM - 05:00 PM	61.1	81.5	60.4
05:00 PM - 06:00 PM	61.2	71.3	60.6
06:00 PM - 07:00 PM	62.0	70.5	61.4
07:00 PM - 08:00 PM	62.3	80.1	61.6
08:00 PM - 09:00 PM	62.0	70.3	61.5
09:00 PM - 10:00 PM	62.0	70.3	61.5
10:00 PM - 11:00 PM	61.8	70.1	61.4
11:00 PM - 12:00 AM	61.8	70.3	61.3
12:00 AM - 01:00 AM	61.7	70.4	61.3
01:00 AM - 02:00 AM	61.6	70.1	61.2
02:00 AM - 03:00 AM	61.6	70.1	61.2
03:00 AM - 04:00 AM	61.7	70.2	61.3
04:00 AM - 05:00 AM	61.7	70.2	61.3
05:00 AM - 06:00 AM	61.9	71.7	61.2
06:00 AM - 07:00 AM	61.7	71.2	59.7
07:00 AM - 08:00 AM	60.0	72.7	59.5
08:00 AM - 09:00 AM	59.7	72.8	59.2
09:00 AM - 10:00 AM	59.9	69.9	59.2

Leq Average 24 hrs. (dB(A))

61.5

Lmax (dB(A))

93.2

L90 (dB(A))

61.2

Ldn (dB(A))

68.1

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (9:59AM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539547

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: 3332244-1

Page 1 of 1

Sample Number 2539547-4
Parameter Noise (Leq 24 hrs.)
Location พื้นที่โครงการ (บริเวณเริ่มรั้วโครงการ ด้านทิศตะวันตก) (GPS 47P 0792778, 1552935)
Measurement Date May 31 - Jun 01, 2025
Measurement by Kantaphon Maneesampan
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.7	70.2	59.0
11:00 AM - 12:00 PM	59.8	70.6	59.1
12:00 PM - 01:00 PM	61.1	79.5	60.3
01:00 PM - 02:00 PM	60.7	69.6	60.2
02:00 PM - 03:00 PM	60.7	69.7	60.2
03:00 PM - 04:00 PM	60.8	69.5	60.2
04:00 PM - 05:00 PM	60.6	69.7	60.1
05:00 PM - 06:00 PM	60.7	69.5	60.2
06:00 PM - 07:00 PM	60.8	69.3	60.3
07:00 PM - 08:00 PM	61.9	70.3	61.4
08:00 PM - 09:00 PM	62.5	70.1	61.7
09:00 PM - 10:00 PM	62.5	70.3	61.7
10:00 PM - 11:00 PM	61.8	70.2	61.4
11:00 PM - 12:00 AM	61.8	70.5	61.3
12:00 AM - 01:00 AM	61.7	70.4	61.3
01:00 AM - 02:00 AM	61.6	70.2	61.2
02:00 AM - 03:00 AM	61.6	70.4	61.2
03:00 AM - 04:00 AM	61.5	73.2	61.1
04:00 AM - 05:00 AM	61.6	70.2	61.1
05:00 AM - 06:00 AM	61.9	73.7	61.1
06:00 AM - 07:00 AM	61.1	70.7	60.5
07:00 AM - 08:00 AM	59.7	71.1	59.2
08:00 AM - 09:00 AM	59.8	70.3	59.3
09:00 AM - 10:00 AM	59.6	72.0	59.0

Leq Average 24 hrs. (dB(A))

61.1

Lmax (dB(A))

79.5

L90 (dB(A))

60.3

Ldn (dB(A))

67.9

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (10:00AM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539547

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: 3332245-1

Page 1 of 1

Sample Number 2539547-5
Parameter Noise (Leq 24 hrs.)
Location พื้นที่โครงการ (บริเวณเริ่มรั้วโครงการ ด้านทิศตะวันตก) (GPS 47P 0792778, 1552935)
Measurement Date Jun 01 - Jun 02, 2025
Measurement by Kantaphon Maneesampan
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.9	71.3	59.3
11:00 AM - 12:00 PM	60.3	80.8	59.5
12:00 PM - 01:00 PM	61.0	73.0	60.4
01:00 PM - 02:00 PM	60.7	71.0	60.3
02:00 PM - 03:00 PM	60.7	69.5	60.3
03:00 PM - 04:00 PM	60.9	69.6	60.4
04:00 PM - 05:00 PM	60.8	69.4	60.4
05:00 PM - 06:00 PM	60.9	69.3	60.5
06:00 PM - 07:00 PM	61.1	73.5	60.5
07:00 PM - 08:00 PM	61.9	70.4	61.4
08:00 PM - 09:00 PM	62.1	70.2	61.6
09:00 PM - 10:00 PM	61.7	70.2	61.3
10:00 PM - 11:00 PM	61.4	70.4	61.0
11:00 PM - 12:00 AM	61.4	70.5	60.9
12:00 AM - 01:00 AM	61.5	70.2	61.2
01:00 AM - 02:00 AM	61.5	70.5	61.2
02:00 AM - 03:00 AM	61.6	70.2	61.2
03:00 AM - 04:00 AM	61.6	70.2	61.3
04:00 AM - 05:00 AM	61.6	70.1	61.2
05:00 AM - 06:00 AM	61.7	80.7	60.9
06:00 AM - 07:00 AM	59.9	75.1	59.2
07:00 AM - 08:00 AM	59.7	70.5	59.1
08:00 AM - 09:00 AM	59.9	70.3	59.2
09:00 AM - 10:00 AM	59.6	70.3	59.1

Leq Average 24 hrs. (dB(A))

61.0

Lmax (dB(A))

80.8

L90 (dB(A))

60.5

Ldn (dB(A))

67.7

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (10:00AM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539547

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: 3332246-1

Page 1 of 1

Sample Number 2539547-6
Parameter Noise (Leq 24 hrs.)
Location พื้นที่โครงการ (บริเวณเริ่มรั้วโครงการ ด้านทิศตะวันตก) (GPS 47P 0792778, 1552935)
Measurement Date Jun 02 - Jun 03, 2025
Measurement by Kantaphon Maneesampan
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.5	71.4	59.0
11:00 AM - 12:00 PM	60.0	74.9	58.9
12:00 PM - 01:00 PM	60.7	77.1	59.9
01:00 PM - 02:00 PM	60.1	72.8	59.4
02:00 PM - 03:00 PM	60.1	76.4	59.6
03:00 PM - 04:00 PM	61.7	73.3	60.0
04:00 PM - 05:00 PM	60.7	69.5	60.0
05:00 PM - 06:00 PM	61.3	72.0	60.8
06:00 PM - 07:00 PM	61.2	71.7	60.8
07:00 PM - 08:00 PM	61.3	70.4	60.7
08:00 PM - 09:00 PM	61.5	70.4	61.0
09:00 PM - 10:00 PM	61.6	70.1	61.1
10:00 PM - 11:00 PM	61.4	70.2	61.1
11:00 PM - 12:00 AM	61.4	70.0	61.0
12:00 AM - 01:00 AM	61.4	70.4	61.0
01:00 AM - 02:00 AM	61.5	70.5	61.1
02:00 AM - 03:00 AM	61.5	70.1	61.1
03:00 AM - 04:00 AM	61.4	70.0	61.1
04:00 AM - 05:00 AM	61.6	79.0	61.1
05:00 AM - 06:00 AM	62.1	70.6	61.3
06:00 AM - 07:00 AM	61.3	70.8	60.7
07:00 AM - 08:00 AM	62.3	71.6	60.2
08:00 AM - 09:00 AM	61.9	74.2	60.2
09:00 AM - 10:00 AM	60.4	73.2	59.7

Leq Average 24 hrs. (dB(A))

61.2

Lmax (dB(A))

79.0

L90 (dB(A))

60.7

Ldn (dB(A))

67.9

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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S:\Reports_Air Noise.rpt (10:00AM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring IEA

Project Location : GNC

Lot ID: 2539547

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: 333224-rd

Page 1 of 1

Sample Number 253754-m
Parameter Noise (Leq 24 hrs.)
Location พื้นที่โครงการ (บริเวณเริ่มรั้วโครงการ ด้านทิศตะวันตก) (GPS 4-P 0-72--8, 1552735)
Measurement Date Jun 03 to Jun 04, 2025
Measurement by Kantaphon Maneesa9 pan
Sound Level meter Serial No. 276515

Time	Leq (dB(A))	L9 ax (dB(A))	L70 (dB(A))
10:00 AM m11:00 AM	60.0	-1.1	57.5
11:00 AM m12:00 PM	60.4	-2.5	57.3
12:00 PM m01:00 PM	57.7	-0.7	57.3
01:00 PM m02:00 PM	57.8	-0.5	57.2
02:00 PM m03:00 PM	60.2	-0.1	57.6
03:00 PM m04:00 PM	60.6	-0.7	60.0
04:00 PM m05:00 PM	60.4	67.7	60.0
05:00 PM m06:00 PM	60.4	67.5	57.7
06:00 PM m07:00 PM	61.5	-0.5	61.0
07:00 PM m08:00 PM	61.7	-0.7	61.3
08:00 PM m09:00 PM	61.8	-0.4	61.5
09:00 PM m10:00 PM	61.8	-0.4	61.4
10:00 PM m11:00 PM	61.5	-0.2	61.1
11:00 PM m12:00 AM	61.5	-0.2	61.0
12:00 AM m01:00 AM	61.4	-0.2	61.0
01:00 AM m02:00 AM	61.4	-0.2	61.0
02:00 AM m03:00 AM	61.3	-0.1	60.7
03:00 AM m04:00 AM	61.3	-0.6	61.0
04:00 AM m05:00 AM	61.4	-0.3	60.7
05:00 AM m06:00 AM	62.3	-1.2	60.7
06:00 AM m07:00 AM	57.7	-2.8	57.2
07:00 AM m08:00 AM	57.7	-6.7	57.3
08:00 AM m09:00 AM	60.2	68.7	57.8
09:00 AM m10:00 AM	57.7	-0.7	57.1

Leq Average 24 hrs. (dB(A))

60.7

L9 ax (dB(A))

-6.7

L70 (dB(A))

60.0

Ldn (dB(A))

60.7

Standard (dB(A))

-0

115

Reference Method : ISO17761 and 17762

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

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1-025.

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot Sala9 teh

Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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14474rd1/ EMAIL

S:\Reports_Air Noise.rpt (10:00AM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : GNC6210g0240E

Project Name : Monitoring IEA

Project Location : GNC

Lot ID: 2539820

Date Received : Jun 06, 2025

Date Reported : Jun 12, 2025

Report Number: EEE22516L

Page 1 of 1

Sample Number 25E98206L
Parameter Noise (Leq 24 hrs.)
Location โรงเรือนบ้านหนองนาบือ 7GP) 4SP 05915S2, 1552510q
Measurement Date May 28 to May 29, 2025
Measurement by Khunaxon Manchuan
Sound Level meter Serial No. 11SEg09

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM 02:00 PM	51.2	55.1	41.1
02:00 PM 03:00 PM	50.9	54.8	41.5
03:00 PM 04:00 PM	51.5	54.9	41.0
04:00 PM 05:00 PM	52.2	55.1	41.0
05:00 PM 06:00 PM	51.9	55.0	41.4
06:00 PM 07:00 PM	50.5	54.8	41.0
07:00 PM 08:00 PM	49.5	54.8	41.0
08:00 PM 09:00 PM	48.9	54.8	41.0
09:00 PM 10:00 PM	49.2	54.8	41.0
10:00 PM 11:00 PM	54.5	58.9	48.9
11:00 PM 12:00 AM	55.5	59.1	45.5
12:00 AM 01:00 AM	55.8	59.1	45.0
01:00 AM 02:00 AM	44.1	55.1	40.4
02:00 AM 03:00 AM	49.5	58.5	42.5
03:00 AM 04:00 AM	49.1	58.0	42.5
04:00 AM 05:00 AM	49.8	58.8	42.5
05:00 AM 06:00 AM	49.9	59.1	42.5
06:00 AM 07:00 AM	54.2	59.5	44.8
07:00 AM 08:00 AM	51.5	58.4	45.0
08:00 AM 09:00 AM	55.9	59.1	44.2
09:00 AM 10:00 AM	58.8	59.9	45.5
10:00 AM 11:00 AM	55.9	59.8	45.5
11:00 AM 12:00 PM	55.4	59.1	41.1
12:00 PM 01:00 PM	54.9	59.0	41.0

Leq Average 24 hrs. (dB(A))

52.9

Lmax (dB(A))

59.0

L90 (dB(A))

41.0

Ldn (dB(A))

58.5

Standard (dB(A))

50

115

Reference Method : ISO1996 and 1996-2

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

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 15025.

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot Sala9 teh

Section Head

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S:\Reports_Air Noise.rpt (10:14AM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : GNC6210g0240E

Project Name : MonitorinI JDA

Project Location : GNC

Lot ID: 2539820

3ate Recei-ed : vun 0g, 2025

3ate Reported : vun 12, 2025

Report Number: EEE22526I

Page 1 of 1

Sample Number 25E9820G
Parameter Noise 7Le(24 hrs.q
Location โรงเขียนบ้านหนองจันทน์ 7GP) 4SP 05915S2, 1552S10q
Measurement Date May 29 6 May E0, 2025
Measurement by Khunaxon Manchuan
Sound Level meter)erial No. 11SEg09

Time	Le(7dB7Aq	LmaO 7dB7Aq	L90 7dB7Aq
01:00 PM 602:00 PM	51.4	S1.S	4g.1
02:00 PM 60E:00 PM	55.0	82.g	45.4
0E:00 PM 604:00 PM	52.8	S0.2	44.0
04:00 PM 605:00 PM	50.5	S1.S	4E.E
05:00 PM 60g:00 PM	54.8	SE.8	45.5
0g:00 PM 60S:00 PM	52.1	S1.S	45.8
05:00 PM 608:00 PM	49.4	S1.1	44.8
08:00 PM 609:00 PM	45.g	g8.8	44.S
09:00 PM 610:00 PM	45.S	g5.8	4E.S
10:00 PM 611:00 PM	45.2	g4.E	42.g
11:00 PM 612:00 AM	4g.8	S1.g	41.0
12:00 AM 601:00 AM	4g.5	g5.1	4E.E
01:00 AM 602:00 AM	45.E	g9.g	4E.1
02:00 AM 60E:00 AM	45.1	58.2	42.8
0E:00 AM 604:00 AM	45.E	g2.S	42.0
04:00 AM 605:00 AM	48.g	S0.0	4E.4
05:00 AM 60g:00 AM	51.S	g4.9	45.4
0g:00 AM 60S:00 AM	5E.0	S0.g	4g.1
05:00 AM 608:00 AM	52.9	S1.1	44.2
08:00 AM 609:00 AM	55.4	g9.5	42.S
09:00 AM 610:00 AM	55.g	S2.5	4g.4
10:00 AM 611:00 AM	54.2	S9.g	44.4
11:00 AM 612:00 PM	5E.9	SE.S	45.8
12:00 PM 601:00 PM	5E.S	gg.2	48.0

Le(A-eral e 24 hrs. 7dB7Aq

LmaO 7dB7Aq

L90 7dB7Aq

Ldn 7dB7Aq

)tandard 7dB7Aq

Reference Method : D k 199g6I and 199g62

)tandard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540 เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ
โรงงาน พ.ศ. 2548

Remarx : The laboratory has been accepted as an accredited laboratory complyinI with the D k / D C 1S025.

Technical Management

Chontichak

Chonticha) ubonI xoch
)cientist 7Eq

Approved by

Supt S

) upot) alamteh
)ection Head

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S:\Reports_Air Noise.rpt (10:14AM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : GNC6210g0240E

Project Name : MonitorinI JDA

Project Location : GNC

Lot ID: 2539820

3ate Recei-ed : vun 0g, 2025

3ate Reported : vun 12, 2025

Report Number: EEE225E6I

Page 1 of 1

Sample Number 25E9820G
Parameter Noise 7Le(24 hrs.q
Location โรงเขียนบ้านหนองจันทน์ 7GP) 4SP 05915S2, 1552S10q
Measurement Date May E0 6 May E1, 2025
Measurement by Khunaxon Manchuan
Sound Level meter)erial No. 11SEg09

Time	Le(7dB7Aq	LmaO 7dB7Aq	L90 7dB7Aq
01:00 PM 602:00 PM	54.1	S5.5	45.9
02:00 PM 60E:00 PM	54.E	SS.S	45.5
0E:00 PM 604:00 PM	51.4	SE.g	4E.9
04:00 PM 605:00 PM	54.8	84.2	4g.g
05:00 PM 60g:00 PM	5E.9	S4.8	48.5
0g:00 PM 60S:00 PM	g1.g	S8.2	45.1
05:00 PM 608:00 PM	g5.2	80.9	4g.9
08:00 PM 609:00 PM	g5.9	90.9	55.9
09:00 PM 610:00 PM	gg.E	91.E	58.E
10:00 PM 611:00 PM	g1.g	88.2	58.E
11:00 PM 612:00 AM	55.2	g9.E	5g.1
12:00 AM 601:00 AM	55.g	S1.8	54.g
01:00 AM 602:00 AM	5E.1	gS.9	51.2
02:00 AM 60E:00 AM	52.4	Sg.1	50.E
0E:00 AM 604:00 AM	49.S	gE.g	4g.E
04:00 AM 605:00 AM	49.8	gg.4	45.E
05:00 AM 60g:00 AM	50.4	g5.S	4g.0
0g:00 AM 60S:00 AM	51.8	g9.0	44.0
05:00 AM 608:00 AM	49.4	gg.E	42.5
08:00 AM 609:00 AM	55.9	SE.2	42.g
09:00 AM 610:00 AM	58.E	SE.E	42.9
10:00 AM 611:00 AM	54.9	g9.g	40.5
11:00 AM 612:00 PM	5E.E	g8.9	42.9
12:00 PM 601:00 PM	54.E	S1.2	42.2

Le(A-eral e 24 hrs. 7dB7Aq

LmaO 7dB7Aq

L90 7dB7Aq

Ldn 7dB7Aq

)tandard 7dB7Aq

Reference Method : D k 199g6I and 199g62

)tandard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540 เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ
โรงงาน พ.ศ. 2548

Remarx : The laboratory has been accepted as an accredited laboratory complyinI with the D k / D C 1S025.

Technical Management

Chontichak

Chonticha) ubonI xoch
)cientist 7Eq

Approved by

Supt S

) upot) alamteh
)ection Head

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S:\Reports_Air Noise.rpt (10:15AM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : GNC6210g0240E

Project Name : MonitorinI JDA

Project Location : GNC

Lot ID: 2539820

3ate Recei-ed : vun 0g, 2025

3ate Reported : vun 12, 2025

Report Number: EEE22546I

Page 1 of 1

Sample Number 25E98206I
Parameter Noise 7Le(24 hrs.q
Location โรงเขียนบ้านหนองจอนาชัย 7GP) 4SP 05915S2, 1552S10q
Measurement Date May E1 6vun 01, 2025
Measurement by Khunaxon Manchuan
Sound Level meter)erial No. 11SEg09

Time	Le(7dB7Aq	LmaO 7dB7Aq	L90 7dB7Aq
01:00 PM 602:00 PM	5g.8	81.0	4E.0
02:00 PM 60E:00 PM	55.5	g9.0	42.g
0E:00 PM 604:00 PM	58.4	85.E	54.2
04:00 PM 605:00 PM	5E.8	SE.5	44.4
05:00 PM 60g:00 PM	gE.2	91.0	44.S
0g:00 PM 60S:00 PM	55.2	S8.5	45.8
05:00 PM 608:00 PM	51.2	g8.g	48.5
08:00 PM 609:00 PM	52.1	SE.8	49.5
09:00 PM 610:00 PM	49.8	gE.g	48.0
10:00 PM 611:00 PM	49.8	g9.1	45.4
11:00 PM 612:00 AM	49.8	SE.2	4g.8
12:00 AM 601:00 AM	50.2	gS.E	4g.E
01:00 AM 602:00 AM	gE.g	Sg.1	48.1
02:00 AM 60E:00 AM	51.9	g4.E	4g.9
0E:00 AM 604:00 AM	54.4	g8.8	4g.S
04:00 AM 605:00 AM	5E.0	gS.g	45.S
05:00 AM 60g:00 AM	51.5	S2.8	4g.5
0g:00 AM 60S:00 AM	5E.g	Sg.1	42.4
05:00 AM 608:00 AM	51.2	S0.4	45.5
08:00 AM 609:00 AM	g2.9	S1.9	50.9
09:00 AM 610:00 AM	54.8	S0.8	4g.1
10:00 AM 611:00 AM	52.4	Sg.2	4E.0
11:00 AM 612:00 PM	51.2	g8.5	4E.8
12:00 PM 601:00 PM	5E.0	SE.8	4g.E

Le(A-eral e 24 hrs. 7dB7Aq 5g.g

LmaO 7dB7Aq 91.0

L90 7dB7Aq 4g.5

Ldn 7dB7Aq g2.g

)tandard 7dB7Aq S0

115

Reference Method : D k 199g6I and 199g62

)tandard :

1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540q เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remarx : The laboratory has been accepted as an accredited laboratory complyinI with the D k / D C 1S025.

Technical Management

Chontichak

Chonticha) ubonI xoch

)cientist 7Eq

Approved by

Supt S

) upot) alamteh

)ection Head

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Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : GNC6210g0240E

Project Name : MonitorinI JDA

Project Location : GNC

Lot ID: 2539820

3ate Recei-ed : vun 0g, 2025

3ate Reported : vun 12, 2025

Report Number: EEE22556I

Page 1 of 1

Sample Number 25E98206I
Parameter Noise 7Le(24 hrs.q
Location โรงเขียนบ้านหนองจอนาชัย 7GP) 4SP 05915S2, 1552S10q
Measurement Date vun 01 6vun 02, 2025
Measurement by Khunaxon Manchuan
Sound Level meter)erial No. 11SEg09

Time	Le(7dB7Aq	LmaO 7dB7Aq	L90 7dB7Aq
01:00 PM 602:00 PM	50.2	gS.0	4E.8
02:00 PM 60E:00 PM	50.2	gS.8	42.g
0E:00 PM 604:00 PM	51.8	S2.2	44.g
04:00 PM 605:00 PM	50.8	g9.0	4E.E
05:00 PM 60g:00 PM	50.9	S0.0	44.4
0g:00 PM 60S:00 PM	5E.0	S5.9	48.9
05:00 PM 608:00 PM	5E.4	Sg.9	48.9
08:00 PM 609:00 PM	5E.2	S1.1	45.9
09:00 PM 610:00 PM	52.1	S8.E	45.9
10:00 PM 611:00 PM	50.2	g8.4	45.1
11:00 PM 612:00 AM	54.S	8E.E	4g.g
12:00 AM 601:00 AM	45.2	g2.2	45.4
01:00 AM 602:00 AM	45.g	g9.9	41.9
02:00 AM 60E:00 AM	49.g	81.8	41.1
0E:00 AM 604:00 AM	45.5	g1.4	41.8
04:00 AM 605:00 AM	48.0	S0.8	40.9
05:00 AM 60g:00 AM	48.8	g8.4	41.S
0g:00 AM 60S:00 AM	5g.8	S4.0	4g.1
05:00 AM 608:00 AM	58.1	S9.4	51.2
08:00 AM 609:00 AM	54.9	g9.9	50.8
09:00 AM 610:00 AM	54.4	SE.g	41.g
10:00 AM 611:00 AM	55.5	g8.2	42.0
11:00 AM 612:00 PM	5E.0	gS.E	E9.9
12:00 PM 601:00 PM	51.2	g8.9	4E.4

Le(A-eral e 24 hrs. 7dB7Aq 52.8

LmaO 7dB7Aq 8E.E

L90 7dB7Aq 4E.8

Ldn 7dB7Aq 58.2

)tandard 7dB7Aq S0

115

Reference Method : D k 199g6I and 199g62

)tandard :

1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540q เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remarx : The laboratory has been accepted as an accredited laboratory complyinI with the D k / D C 1S025.

Technical Management

Chontichak

Chonticha) ubonI xoch

)cientist 7Eq

Approved by

Supt S

) upot) alamteh

)ection Head

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Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : GNC6210g0240E

Project Name : MonitorinI JDA

Project Location : GNC

Lot ID: 2539820

3ate Recei-ed : vun 0g, 2025

3ate Reported : vun 12, 2025

Report Number: EEE225g6l

Page 1 of 1

Sample Number 25E98206g
Parameter Noise 7Le(24 hrs.q
Location โรงเขียนบ้านหนองจอนาบี (GP) 4SP 05915S2, 1552S10q
Measurement Date vun 02 6vun 0E, 2025
Measurement by Khunaxon Manchuan
Sound Level meter)erial No. 11SEg09

Time	Le(7dB7Aq	LmaO 7dB7Aq	L90 7dB7Aq
01:00 PM 602:00 PM	54.8	Sg.g	45.5
02:00 PM 60E:00 PM	5E.8	S2.S	4g.9
0E:00 PM 604:00 PM	50.g	SE.0	42.2
04:00 PM 605:00 PM	5g.E	81.g	4E.9
05:00 PM 60g:00 PM	5g.0	8E.2	49.g
0g:00 PM 60S:00 PM	52.2	S4.5	48.g
05:00 PM 608:00 PM	51.0	S1.9	45.9
08:00 PM 609:00 PM	51.4	S4.5	45.g
09:00 PM 610:00 PM	50.E	g9.9	4g.2
10:00 PM 611:00 PM	48.E	S1.1	44.2
11:00 PM 612:00 AM	48.8	g2.4	44.S
12:00 AM 601:00 AM	45.4	g2.S	4E.E
01:00 AM 602:00 AM	45.9	g8.g	E9.S
02:00 AM 60E:00 AM	41.E	5g.S	E9.E
0E:00 AM 604:00 AM	45.0	gg.1	E9.g
04:00 AM 605:00 AM	45.E	g5.E	41.S
05:00 AM 60g:00 AM	50.4	80.1	41.1
0g:00 AM 60S:00 AM	55.5	S1.E	45.S
05:00 AM 608:00 AM	54.0	g5.2	4g.1
08:00 AM 609:00 AM	5g.8	S0.0	4g.2
09:00 AM 610:00 AM	55.0	gg.5	44.8
10:00 AM 611:00 AM	5E.4	S5.9	E9.5
11:00 AM 612:00 PM	52.1	g8.4	E9.9
12:00 PM 601:00 PM	51.5	5g.8	42.g

Le(A-eral e 24 hrs. 7dB7Aq

52.g

LmaO 7dB7Aq

8E.2

L90 7dB7Aq

44.2

Ldn 7dB7Aq

5g.8

)tandard 7dB7Aq

S0

115

Reference Method : Dk 199g6l and 199g62

)tandard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 พ.ศ. 2540 เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ
โรงงาน พ.ศ. 2548

Remarx : The laboratory has been accepted as an accredited laboratory complyinI with the Dk/Dk 1S025.

Technical Management

Chontichak

Chonticha)ubonI xoch
)cientist 7Eq

Approved by

Supt S

)upot)alamteh
)ection Head

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14494621/ JMAQ

S:\Reports_Air Noise.rpt (10:15AM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : GNC6210g0240E

Project Name : MonitorinI JDA

Project Location : GNC

Lot ID: 2539820

3ate Recei-ed : vun 0g, 2025

3ate Reported : vun 12, 2025

Report Nu9 ber: EEE225n6l

Page 1 of 1

Sample Number 25E78206m
Parameter Noise (Leq 24 hrs.)
Location โรงเขียนบ้านหนองจอนาบี (GPS 4nP 0n715n2, 1552m10)
Measurement Date vun 0E 6vun 04, 2025
Measurement by Khunaxon Manchuan
Sound Level meter Serial No. 11nEg07

Ti9 e	Leq (dB(A))	L9 aO(dB(A))	L70 (dB(A))
01:00 PM 602:00 PM	50.E	gE.m	4E.2
02:00 PM 60E:00 PM	52.1	nE.4	44.0
0E:00 PM 604:00 PM	50.5	n2.0	42.4
04:00 PM 605:00 PM	g2.5	80.0	45.E
05:00 PM 60g:00 PM	5E.8	nmm	45.2
0g:00 PM 60m00 PM	54.E	ng.4	48.g
0m00 PM 608:00 PM	52.2	g4.5	47.4
08:00 PM 607:00 PM	5E.m	n4.1	47.m
07:00 PM 610:00 PM	52.g	ng.1	4mE
10:00 PM 611:00 PM	4m2	gE.8	44.E
11:00 PM 612:00 AM	48.g	gg.9	44.g
12:00 AM 601:00 AM	4mE	gg.7	42.5
01:00 AM 602:00 AM	42.1	58.4	40.m
02:00 AM 60E:00 AM	42.E	g2.8	40.1
0E:00 AM 604:00 AM	4E.2	g1.m	40.5
04:00 AM 605:00 AM	4mE	g7.5	41.8
05:00 AM 60g:00 AM	51.7	n1.0	4E.4
0g:00 AM 60m00 AM	54.2	n4.m	4g.5
0m00 AM 608:00 AM	5E.m	gg.2	48.0
08:00 AM 607:00 AM	54.8	84.2	4g.g
07:00 AM 610:00 AM	54.4	g8.8	4g.m
10:00 AM 611:00 AM	5E.8	nE.5	44.4
11:00 AM 612:00 PM	55.7	nE.2	42.g
12:00 PM 601:00 PM	52.2	n4.5	48.g

Leq A-eral e 24 hrs. (dB(A))

5E.m

L9 aO(dB(A))

84.2

L70 (dB(A))

44.4

Ldn (dB(A))

5m0

Standard (dB(A))

n0

115

Reference Method : Dsk 177g6l and 177g62

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

Re9 arx : The laboratory has been accepted as an accredited laboratory co9 plyinI with the Dsk/Dk 1n025.

Technical Management

Chontichak

Chonticha SubonI xoch
Scientist (E)

Approved by

Supt S

Supot Sala9 teh
Section Head

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14474621/ JMAQ

S:\Reports_Air Noise.rpt (10:15AM)



Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : GNC64210g0240E
Project Name : MonitorinI JDA
Project Location : GNC

Lot ID: 2539820
 Date Received : Jun 09, 2025
 Date Reported : Jun 12, 2025
 Report Number: EEE22q061

Page 1 of 1

Sample Number	25E9820610
Parameter	Noise 7Le(24 hrs.q
Location	1๕ มั นู 7GP) 4SP 0S92400, 1554211q
Measurement Date	May E0 6 May E1, 2025
Measurement by	Khunaxon Manchuan
Sound Level meter) erial No. 11SEq10

Time	Le(7dB7Aq)	Lma0 7dB7Aq	L90 7dB7Aq
11:00 AM 612:00 PM	54.1	80.8	40.5
12:00 PM 601:00 PM	51.9	59.2	41.5
01:00 PM 602:00 PM	5E.4	g4.4	44.9
02:00 PM 60E:00 PM	52.5	S2.4	44.E
0E:00 PM 604:00 PM	49.4	S2.5	40.S
04:00 PM 605:00 PM	4g.9	g8.1	E9.4
05:00 PM 60g:00 PM	52.1	S2.E	4g.0
0g:00 PM 605:00 PM	49.5	S2.E	4E.8
05:00 PM 608:00 PM	51.8	S1.1	45.S
08:00 PM 609:00 PM	48.1	Sg.8	4E.S
09:00 PM 610:00 PM	g8.9	82.g	g1.0
10:00 PM 611:00 PM	5S.2	82.0	52.2
11:00 PM 612:00 AM	5g.9	Sg.g	51.8
12:00 AM 601:00 AM	5E.E	S4.1	50.2
01:00 AM 602:00 AM	49.2	gg.E	45.g
02:00 AM 60E:00 AM	4S.5	S1.S	4E.E
0E:00 AM 604:00 AM	45.5	S5.9	42.5
04:00 AM 605:00 AM	4S.1	S2.g	4E.E
05:00 AM 60g:00 AM	5E.E	S1.S	50.2
0g:00 AM 605:00 AM	5E.S	81.5	45.g
05:00 AM 608:00 AM	50.E	Sg.8	42.1
08:00 AM 609:00 AM	49.2	g9.0	42.5
09:00 AM 610:00 AM	54.S	S1.S	4g.g
10:00 AM 611:00 AM	54.5	S2.g	4S.E

Le(A- eraI e 24 hrs. 7dB7Aqq	5g.S		
LmaO 7dB7Aqq		82.g	
L90 7dB7Aqq			44.E
Ldn 7dB7Aqq	g0.5		
) tandard 7dB7Aqq	S0	115	

Reference Method : Dk 199g61 and 199g62

[illegible]

Remarque : The laboratory has been accepted as an accredited laboratory complying with the Dk/DC 15025.

Technical Management

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Approved by

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) ection Head

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S:\Reports\ Air Noise.rpt (10:16AM)



Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : GNC64210g0240E
Project Name : MonitorinI JDA
Project Location : GNC

Lot ID: 2539820
 3 ate Recei-ed : vun 0g, 2025
 3 ate Reported : vun 12, 2025
 Report Number: EEE22q16l

Page 1 of 1

Sample Number	25E982061
Parameter	Noise 7Le(24 hrs.q
Location	၇၆ မူ ဘူ ၇GP) 4SP 0S92400, 1554211q
Measurement Date	May E1 6 vun 01, 2025
Measurement by	Khunaxon Manchuan
Sound Level meter)erial No. 11SEq10

Time	Le(7dB7Aqq	LmaO 7dB7Aqq	L90 7dB7Aqq
11:00 AM 612:00 PM	5E.0	S5.2	42.5
12:00 PM 601:00 PM	5S.9	84.0	45.0
01:00 PM 602:00 PM	54.g	S0.2	40.5
02:00 PM 60E:00 PM	5E.2	90.8	E9.8
0E:00 PM 604:00 PM	50.0	58.8	41.4
04:00 PM 605:00 PM	54.g	S8.4	48.5
05:00 PM 60g:00 PM	4g.8	S1.g	40.4
0g:00 PM 60S:00 PM	g0.9	80.1	45.9
05:00 PM 608:00 PM	5E.5	gS.8	44.E
08:00 PM 609:00 PM	44.9	g1.8	42.S
09:00 PM 610:00 PM	4E.8	S1.E	41.9
10:00 PM 611:00 PM	44.8	S0.5	41.0
11:00 PM 612:00 AM	4E.g	g0.8	40.S
12:00 AM 601:00 AM	49.4	gS.5	40.8
01:00 AM 602:00 AM	4S.E	g8.1	41.5
02:00 AM 60E:00 AM	g0.E	81.8	44.S
0E:00 AM 604:00 AM	S1.5	S2.5	4g.2
04:00 AM 605:00 AM	5g.2	S8.S	49.2
05:00 AM 60g:00 AM	59.g	S5.g	5g.8
0g:00 AM 60S:00 AM	S4.0	Sg.E	45.8
05:00 AM 608:00 AM	5E.2	S9.0	42.S
08:00 AM 609:00 AM	S1.S	S9.E	4E.4
09:00 AM 610:00 AM	58.g	SE.8	49.g
10:00 AM 611:00 AM	5S.g	S1.4	50.1

Le(A- eraI e 24 hrs. 7d B7Aq)	55.0		
LmaO 7d B7Aq		90.8	
L90 7d B7Aq			42.5
Ldn 7d B7Aq	g1.g		
) tandard 7d B7Aq	S0	115	

Reference Method : Dk 199g61 and 199g62

[illegible]

Remark : The laboratory has been accepted as an accredited laboratory complying with the EN ISO 15025.

Technical Management

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Approved by

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) ection Head

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S:\Reports\ Air Noise.rpt (10:17AM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : GNC6210g0240E

Project Name : MonitorinI JDA

Project Location : GNC

Lot ID: 2539820

3ate Recei-ed : vun 0g, 2025

3ate Reported : vun 12, 2025

Report Number: EEE22g26l

Page 1 of 1

Sample Number 25E98206L2
Parameter Noise 7Le(24 hrs.q
Location 7ี 7ห้ 7าน 7GP) 4SP 0592400, 1554211q
Measurement Date vun 01 6vun 02, 2025
Measurement by Khunaxon Manchuan
Sound Level meter)erial No. 11SEg10

Time	Le(7dB7Aq	LmaO 7dB7Aq	L90 7dB7Aq
11:00 AM 612:00 PM	54.g	g5.8	4g.2
12:00 PM 601:00 PM	52.5	51.g	44.g
01:00 PM 602:00 PM	52.2	52.2	41.8
02:00 PM 60E:00 PM	50.9	g5.0	44.8
0E:00 PM 604:00 PM	51.8	SE.E	4E.S
04:00 PM 605:00 PM	52.9	80.E	4E.1
05:00 PM 60g:00 PM	48.g	g5.5	4E.E
0g:00 PM 60S:00 PM	52.g	gg.E	45.E
05:00 PM 608:00 PM	55.5	gE.0	52.4
08:00 PM 609:00 PM	54.0	gE.S	48.5
09:00 PM 610:00 PM	52.2	g4.5	45.5
10:00 PM 611:00 PM	58.4	g2.S	52.g
11:00 PM 612:00 AM	55.5	g5.9	48.8
12:00 AM 601:00 AM	5E.S	81.5	4g.2
01:00 AM 602:00 AM	50.4	SE.E	45.E
02:00 AM 60E:00 AM	49.2	SE.E	4E.4
0E:00 AM 604:00 AM	4g.9	52.9	45.0
04:00 AM 605:00 AM	52.E	55.2	44.1
05:00 AM 60g:00 AM	52.1	55.0	45.g
0g:00 AM 60S:00 AM	51.0	54.E	44.8
05:00 AM 608:00 AM	55.5	55.1	45.9
08:00 AM 609:00 AM	5g.5	58.1	50.4
09:00 AM 610:00 AM	55.E	8E.S	4g.S
10:00 AM 611:00 AM	55.1	55.0	4E.4

Le(A-eral e 24 hrs. 7dB7Aq

54.1

LmaO 7dB7Aq

8E.S

L90 7dB7Aq

45.E

Ldn 7dB7Aq

g0.0

)tandard 7dB7Aq

50

115

Reference Method : D k 199g6l and 199g62

)tandard :

1. ะมิ ปะมิ ะกั ปะมตปะกัฒนังเิง 7ี 7ห้ 7าน 7GP) 4SP 0592400, 1554211q
2. ะมิ ปะมิ ปะมิ ะกั ปะมต ะมิ 7าน 7GP) 4SP 0592400, 1554211q
3. ะมิ ปะมิ ปะมิ ะกั ปะมต ะมิ 7าน 7GP) 4SP 0592400, 1554211q

Remarx : The laboratory has been accepted as an accredited laboratory complyinI with the D k / D C 1S025.

Technical Management

Chontichak

Chonticha) ubonI xoch

)cientist 7Eg

Approved by

Supt S

)upot) alamteh

)ection Head

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S:\Reports_Air Noise.rpt (10:20AM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : GNC6210g0240E

Project Name : MonitorinI JDA

Project Location : GNC

Lot ID: 2539820

3ate Recei-ed : vun 0g, 2025

3ate Reported : vun 12, 2025

Report Number: EEE22gE6l

Page 1 of 1

Sample Number 25E98206LE
Parameter Noise 7Le(24 hrs.q
Location 7ี 7ห้ 7าน 7GP) 4SP 0592400, 1554211q
Measurement Date vun 02 6vun 0E, 2025
Measurement by Khunaxon Manchuan
Sound Level meter)erial No. 11SEg10

Time	Le(7dB7Aq	LmaO 7dB7Aq	L90 7dB7Aq
11:00 AM 612:00 PM	5g.0	55.g	40.S
12:00 PM 601:00 PM	52.g	59.E	E8.S
01:00 PM 602:00 PM	54.2	59.4	40.5
02:00 PM 60E:00 PM	51.g	51.2	4E.1
0E:00 PM 604:00 PM	52.5	5g.E	4E.1
04:00 PM 605:00 PM	49.g	5g.2	E9.5
05:00 PM 60g:00 PM	54.E	54.8	E9.g
0g:00 PM 60S:00 PM	55.0	88.5	44.0
05:00 PM 608:00 PM	49.1	g5.9	44.g
08:00 PM 609:00 PM	45.0	g9.g	42.9
09:00 PM 610:00 PM	4E.2	55.9	41.S
10:00 PM 611:00 PM	4E.E	54.g	41.2
11:00 PM 612:00 AM	4E.9	55.E	40.5
12:00 AM 601:00 AM	44.2	g1.5	E9.5
01:00 AM 602:00 AM	48.0	50.8	40.1
02:00 AM 60E:00 AM	41.9	58.1	E9.g
0E:00 AM 604:00 AM	41.4	5g.9	E9.0
04:00 AM 605:00 AM	49.2	g0.9	40.g
05:00 AM 60g:00 AM	5E.4	g8.g	44.S
0g:00 AM 60S:00 AM	51.g	80.5	42.2
05:00 AM 608:00 AM	52.8	55.4	40.g
08:00 AM 609:00 AM	54.5	51.0	4E.1
09:00 AM 610:00 AM	58.E	8g.9	45.2
10:00 AM 611:00 AM	54.4	81.0	4E.1

Le(A-eral e 24 hrs. 7dB7Aq

52.4

LmaO 7dB7Aq

88.5

L90 7dB7Aq

40.S

Ldn 7dB7Aq

5g.1

)tandard 7dB7Aq

50

115

Reference Method : D k 199g6l and 199g62

)tandard :

1. ะมิ ปะมิ ะกั ปะมตปะกัฒนังเิง 7ี 7ห้ 7าน 7GP) 4SP 0592400, 1554211q
2. ะมิ ปะมิ ปะมิ ะกั ปะมต ะมิ 7าน 7GP) 4SP 0592400, 1554211q
3. ะมิ ปะมิ ปะมิ ะกั ปะมต ะมิ 7าน 7GP) 4SP 0592400, 1554211q

Remarx : The laboratory has been accepted as an accredited laboratory complyinI with the D k / D C 1S025.

Technical Management

Chontichak

Chonticha) ubonI xoch

)cientist 7Eg

Approved by

Supt S

)upot) alamteh

)ection Head

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S:\Reports_Air Noise.rpt (10:22AM)



Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : GNC64210q0240E

Project Name : MonitorinI J DA

Project Location : GNC

Lot ID: 2539820

3ate Recei-ed : vun 0q, 2025

3ate Reported : vun 12, 2025

Report Number: EEE22q461

Page 1 of 1

Sample Number	25E98206I4
Parameter	Noise 7Le(24 hrs.q
Location	ໄຊ ພື່ນ ກຸງ(໑P) 4SP 0592400, 1554211q
Measurement Date	ວັນ 0E 6ວັນ 04, 2025
Measurement by	Khunaxon Manchuan
Sound Level meter	erial No. 11SEg10

Time	Le(ʒɪBʔɑqɪ	LmaO ʒɪBʔɑqɪ	L90 ʒɪBʔɑqɪ
11:00 AM 612:00 PM	51.S	51.g	41.0
12:00 PM 601:00 PM	54.0	82.8	40.0
01:00 PM 602:00 PM	50.1	SE.8	E9.9
02:00 PM 60E:00 PM	50.5	Sg.5	41.5
0E:00 PM 604:00 PM	49.S	S0.E	41.4
04:00 PM 605:00 PM	49.4	S4.2	E9.9
05:00 PM 60g:00 PM	g1.1	S5.8	40.9
0g:00 PM 60S:00 PM	49.8	g8.2	42.E
0S:00 PM 608:00 PM	5E.2	S0.8	42.2
08:00 PM 609:00 PM	5S.E	S5.5	5E.8
09:00 PM 610:00 PM	5E.g	g4.4	49.2
10:00 PM 611:00 PM	49.S	Sg.9	45.8
11:00 PM 612:00 AM	50.4	Sg.8	45.9
12:00 AM 601:00 AM	48.4	g4.4	4E.8
01:00 AM 602:00 AM	4S.2	S5.4	4E.4
02:00 AM 60E:00 AM	45.g	SE.E	42.E
0E:00 AM 604:00 AM	44.5	g8.5	40.S
04:00 AM 605:00 AM	48.1	58.0	41.1
05:00 AM 60g:00 AM	55.g	Sg.4	42.E
0g:00 AM 60S:00 AM	5g.8	Sg.5	54.8
0S:00 AM 608:00 AM	54.g	S0.2	40.5
08:00 AM 609:00 AM	5g.9	Sg.g	51.8
09:00 AM 610:00 AM	52.g	gg.E	45.E
10:00 AM 611:00 AM	5E.2	S9.0	42.S

Le(A- era) e 24 hrs. 7d B7Aqq	5E.S		
LmaO 7d B7Aqq		82.8	
L90 7d B7Aqq			42.E
Ldn 7d B7Aqq	58.g		
) tandard 7d B7Aqq	S0	115	

Reference Method : Dk 199g61 and 199g62

[illegible]

Remark : The laboratory has been accepted as an accredited laboratory complying with the Dk/EN ISO 15025.

Technical Management

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) cientist π Eq

Approved by

Snpt 5.

) upot) alamteh
) ection Head

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ภาคผนวก ค-4

คุณภาพน้ำทิ้ง



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0042
Lot ID: 24143949
Date Received : Jan 16, 2025
Date Reported : Jan 24, 2025
Report Number : 3201910-1

Page 1 of 1

Sample Number	24143949-1
Sampled Date	Jan 16, 2025 10:34 AM
Sample Description	Wastewater
Location	จุดระบายน้ำทิ้งของโครงการ
Date Analysis Commenced	Jan 16, 2025
Condition of Sample	Contained in one amber glass bottle, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Color (at Original pH)	ADMI	-	5	16	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	14	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
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	Rayong
pH at 25 degree C		-	-	8.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	27.8	40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	376	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	15	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

Sampling By : Nattawut Athomprommarat ทะเบียนเลขที่ ว-323-จ-0006 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chongchon

Dej Chongchon
Senior Manager

ทะเบียนเลขที่ ว-323-จ-0001

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

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 24143949
Date Received : Jan 16, 2025
Date Reported : Jan 24, 2025
Report Number : 3201910-2

Page 1 of 1

Sample Number	24143949-1
Sampled Date	Jan 16, 2025 10:34 AM
Sample Description	Wastewater
Location	จุดระบายน้ำทิ้งของโครงการ
Date Analysis Commenced	Jan 17, 2025
Condition of Sample	Contained in one amber glass bottle, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	meq/L	0.003	0.005	2.89	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	meq/L	0.003	0.005	0.95	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR		-	-	1.19	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	meq/L	0.003	0.005	1.65	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Chlorite	mg/L	0.05	0.1	0.48	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen	mg/L	-	0.1	7.5	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong

Guideline : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

Sampling By : Nattawut Athomprommarat , Pattarapol Sawangjaitam

Remark :

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

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Analysis / Test Report

Client L2PISB0 0o8ngt16
EuK I oo uNBontreeNj an DPriNvra:3inhPri T3ailan1 C, uu.

P/O :
Project Name LI onitorin9 - nA
Project Location L2B0



TESTING
No.0042
Lot ID: 24143953

date Re: eide1 L Gm uf NC, C,
date Reporte1 L Gm C8NC, C,
Report BpC her L8C. uMCKbu

va9e u o5u

Sample Number	CEuE8M 8bu
Sampled Date	Gm uf NC, C, u. L8E AI
Sample Description	Wastewater
Location	จุดระบายน้ำทิ้งชุมชนระยองโรยคโงรงกรขาร
Date Analysis Commenced	Gm uONC, C,
Condition of Sample	Ontaine1 in two 9lass 4ilas an1 5oPr plasti: hottlesNsac ple :ontainers :oc ply to pretreatc ent bpreser4ation stan1ar1s (AvHAN US- vA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dx d (, lays at C. de9ree 0)	c 9/g	b	C6	<C6	u C.	u C.	Stan1ar1 I et3o1s 5r t3e -8ec ination o5Water an1 Wastewater6AvHANAWWA F W-7 CEt3 e18NC C8Npart, Cu. DNpart E... bx 2	Rayon9
Oxd	c 9/g	u6	C,	<C,	u u.	u uC.	Stan1ar1 I et3o1s 5r t3e -8ec ination o5Water an1 Wastewater6AvHANAWWA F W-7 CEt3 e18NC C8Npart, CC. d	Rayon9
Total J 3a1a3l Bitro9en as B	c 9/g	b	u6	uE	u 8,	u u.	Stan1ar1 I et3o1s 5r t3e -8ec ination o5Water an1 Wastewater6AvHANAWWA F W-7 CEt3 e18NC C8Npart E... tBor9 (O)Npart BH8 (d)	Rayon9

Guideline : 2 P1eline (u) L Water 03ara:teristi: s dis: 3ar9e into mri9ation Systec NROYal mri9ation departc ent Bo6uK/C, f u6
2 P1eline (C) L Bot5:ation o5t3e I inistry o5BatPral ResoPr:es an1 - n4ironc ent D6 6C, f, L T3e stan1ar1 5r :ontrollin9 t3e Iis: 3ar9e o5
wastewater 5roc an ele:tri: power plant6

Sampling By : BattawPt At3oc proc c arat ทวี นธนิ คทลบ8C8b... f Nvattarapol Sawan9*itac ทวี นธนิ คทลบ8C. Ebb... C

Rec arj L
- gx d Lgic it o5dete:tion
- Q-Q Lgower t3an gx k (gic it o5k Pantitation) / gx R (gic it o5Reportin9)
- Analyte(s) c arj e1 " is/are not in:IP1e1 in s:ope o5A::re1itation r6x/m0 uQ, C, 6
- T3e laboratory 3as heen a: :epte1 as an a: :re1ite1 laboratory :oc plyin9 wit3 t3e r6x/m0 uQ, C, 6

Technical Management

Photchana S.

v3ot: 3ana See1a
S:ientist (E)
ทวี นธนิ คทลบ8C8b... CK

Approved by

D. Annon.

de* 03an9:3on
Senior I ana9er
ทวี นธนิ คทลบ8C8b... u

ResPits apply to t3e sac ple(s) as sPhic itte1NPhless t3e sac plin9 was :on1P:te1 by Ag56Bo part o5t3is report c ay he repro1P:el in any 5roc. wit3oPt written :onsent 5roc t3e laboratory
Ag5 laboratory 2roPt (T3ailan1) strongly re:oc c en1s t3at t3is report is not repro1P:el ekk ept in 5Pit6

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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



TESTING
No.0009
Lot ID: 24143953

Date Received : Jan 16, 2025
Date Reported : Jan 23, 2025
Report Number : 3201928-2

Page 1 of 1

Sample Number	24143953-1
Sampled Date	Jan 16, 2025 10:34 AM
Sample Description	Wastewater
Location	จุดระบายน้ำทิ้งก่อนระบายออกของโครงการ
Date Analysis Commenced	Jan 17, 2025
Condition of Sample	Contained in two glass vials and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.003	≤0.25	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.006	≤1	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

Guideline (2) : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Nattawut Athomprommarat ทะเบียนเลขที่ ว-323-จ-0006 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management

Sawitree N.

Sawitree Naisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanokorn Anuk.

Kanokorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-จ-0004

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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



TESTING
No.0009
Lot ID: 24143953
Date Received : Jan 16, 2025
Date Reported : Jan 23, 2025
Report Number : 3201928-3

Page 1 of 1

Sample Number	24143953-1
Sampled Date	Jan 16, 2025 10:34 AM
Sample Description	Wastewater
Location	จุดระบายน้ำทิ้งก่อนระบายออกของโครงการ
Date Analysis Commenced	Jan 17, 2025
Condition of Sample	Contained in two glass vials and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Iron	mg/L	0.003	0.005	0.73	No Standard	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing								
Nitrate as N *	mg/L	0.015	0.05	0.91	No Standard	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Nattawut Athomprommarat , Pattarapol Sawangjaitam

Remark :
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Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0042
Lot ID: 2511877
Date Received : Feb 17, 2025
Date Reported : Feb 25, 2025
Report Number : 3228246-1

Page 1 of 2

Sample Number	2511877-1
Sampled Date	Feb 17, 2025 10:55 AM
Sample Description	Wastewater
Location	จุดระบายน้ำทิ้งของโครงการ
Date Analysis Commenced	Feb 17, 2025
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Color (at Original pH)	ADMI	-	5	<5	≤300	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	<5	≤300	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	8.0	6.5-8.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.0	≤40	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	616	≤1300	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	8	≤30	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chanchon

Dej Chanchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-0001

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2511877
Date Received : Feb 17, 2025
Date Reported : Feb 25, 2025
Report Number : 3228246-2

Page 1 of 1

Sample Number	2511877-1						
Sampled Date	Feb 17, 2025 10:55 AM						
Sample Description	Wastewater						
Location	จุดระบายน้ำทิ้งของโครงการ						
Date Analysis Commenced	Feb 18, 2025						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Calcium	meq/L	0.003	0.005	4.15	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	meq/L	0.003	0.005	1.23	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR	-	-	-	2.18	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	meq/L	0.003	0.005	3.57	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing								
Chlorite	mg/L	0.05	0.1	Not Detected	No Standard	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen	mg/L	-	0.1	6.2	≥2	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Sansoen Khuiyoksui , Pattarapol Sawangjaitam

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

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Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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Analysis / Test Report

Client : mNG- f foC .tdC
314 L oo 1, - ontree, Mabin KNri, BracPinbNri TPailand 25110
P/O : m- f@210h02308
Project Name : L onitoring EIA
Project Location : m- f



TESTING
No.0042
Lot ID: 2511879
Date Received : Feb 17, 2025
Date Reported : Feb 23, 2025
Report - Nu ber : 82242346L

Page 1 of 1

Sample Number	251147V6L						
Sampled Date	Feb 17, 2025 10:55 AL						
Sample Description	wasteOater						
Location	จุดระบายน้ำทิ้งของโรงงาน						
Date Analysis Commenced	Feb 14, 2025						
Condition of Sample	f ontained in tOo glass vials and @N plastic bottles, sau ple containers cou ply to pretreatu ent 6 preservation standards (ABHA, USEBA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Kx D (5 days at 20 Degree f)	u g/.	6	20	8Q	≤ 20	≤ 20	Standard L etPods @r tPe E8au ination oGwater and wasteOaterCABHA, Aw wA < wEF, 23TP edC 2028, part 5210 K, part 3500 6x m	Rayong
f x D	u g/.	1G	25	9 25	≤ 100	≤ 120	Standard L etPods @r tPe E8au ination oGwater and wasteOaterCABHA, Aw wA < wEF, 23TP edC 2028, part 5220 D	Rayong
Total MeldaPI - itrogen as -	u g/.	6	10	1G	≤ 85	≤ 100	Standard L etPods @r tPe E8au ination oGwater and wasteOaterCABHA, Aw wA < wEF, 23TP edC 2028, part 35006 org (f), part - H8 (D)	Rayong

Guideline : mNdeline (1) : water f Parameteristics DiscParge into Irrigation Syste , Royal Irrigation Departu ent - oC4/25h1C
mNdeline (2) : - otigCation oGPe L inistry oG- atNal ResoNrces and Environu ent KEC25h5 : TPe standard @r controlling tPe discParge oG OasteOater @ou an electric poOer plantC

Sampling By : Sansoen MPNiyoksN หะ นธนิ์ คพล628660005 , Battarapol SaOangJaitam หะ นธนิ์ คพล6203660002

Reu ark :
- . x D : . lu it oGDetection
- @Q : . oOer tPan . xj (. lu it oG Nantitation) / . x R (. lu it oGReporting)
- Analyte(s) u arked " is/are not inclNded in scope oGAccreditation ISx /IEF 17025C
-

Technical Management

Photchanas.

BPotcPana Seeda
Scientist (3)
หะ นธนิ์ คพล628660024

Approved by

D. J. J.

De* f PangcPon
Senior L anager
หะ นธนิ์ คพล628660001

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : GNC-4210602403
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0009
Lot ID: 2511879
Date Received : Feb 17, 2025
Date Reported : Feb 24, 2025
Report Number : 3228248-2

Page 1 of 1

Sample Number : 2511879-1
Sampled Date : Feb 17, 2025 10:55 AM
Sample Description : Wastewater
Location : จุดระบายน้ำทิ้งก่อนระบายออกของโครงการ
Date Analysis Commenced : Feb 18, 2025
Condition of Sample : Contained in two glass vials and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.003	≤0.25	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.008	≤1	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Chanatt L.

Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-จ-0004

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : GNC-4210602403
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0009
Lot ID: 2511879
Date Received : Feb 17, 2025
Date Reported : Feb 24, 2025
Report Number : 3228248-3

Page 1 of 1

Sample Number : 2511879-1
Sampled Date : Feb 17, 2025 10:55 AM
Sample Description : Wastewater
Location : จุดระบายน้ำทิ้งก่อนระบายออกของโครงการ
Date Analysis Commenced : Feb 18, 2025
Condition of Sample : Contained in two glass vials and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Iron	mg/L	0.003	0.005	0.55	No Standard	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing								
Nitrate as N *	mg/L	0.015	0.05	3.67	No Standard	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Sansoen Khuiyoksui , Pattarapol Sawangjaitam

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

Approved by

Chanatt L.

Chanattagarn Imchom
Section Head

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Analysis / Test Report

TESTING
No.0042

Client 5m-IG6f f oG. tvC

LbMF oo b76ontree7Kauin B- ri7PraChinu- ri Thailanv , 0bb2

P/O : L, b232, 23b

Project Name 5F onitoring EIA

Project Location 5m6f

Lot ID: 2518038

: ate ReDeicev 5F ar b17, 2, 0

: ate Reportev 5F ar , 07, 2, 0

Report 6- N uer 5d, 038d, 4b

Page b oG.

Sample Number	, 0bm2dMb						
Sampled Date	F ar b17, 2, 0 b29.2 AF						
Sample Description	Wastewater						
Location	จุดระบายน้ำทิ้งของโครงการ						
Date Analysis Commenced	F ar b17, 2, 0						
Condition of Sample	f ontainev in one aN uer glass uottle anv Gce plastiDuottles7saN ple Dntainers DnN ply to pretreatN ent 4presercation stanvarvs CAP(A7HUEPAS						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
B): 00 vays at , 2 : egree f S Ng/.	A: F I	4	0	9, 2	≤, 2	≤, 2	Utanvarv F ethovs @r the ExaN ination oGWater anv WastewaterCAP(A7AWWA & WE< , Lth evG, 2, d7part 0, b2 B7part L022 4) m	Rayong
f olor Qat) riginal p(S	A: F I	4	0	b8	≤d22	6o Utanvarv	Utanvarv F ethovs @r the ExaN ination oGWater anv WastewaterCAP(A7AWWA & WE< , Lth evG, 2, d7part , b, 2 <	Rayong
f olor Qat p(1QS	A: F I	4	0	bM	≤d22	6o Utanvarv	Utanvarv F ethovs @r the ExaN ination oGWater anv WastewaterCAP(A7AWWA & WE< , Lth evG, 2, d7part , b, 2 <	Rayong
) il & mrease	Ng/.	4	d	9d	≤0	≤0	Utanvarv F ethovs @r the ExaN ination oGWater anv WastewaterCAP(A7AWWA & WE< , Lth evG, 2, d7part 00, 2 B	Rayong
p(at , 0 vegree f		4	4	10M	30440	00482	Utanvarv F ethovs @r the ExaN ination oGWater anv WastewaterCAP(A7AWWA & WE< , Lth evG, 2, d7part L022 4(OBS	Rayong
TeN perat- re *	: egree f	4	4	d, 0	≤L2	≤L2	Utanvarv F ethovs @r the ExaN ination oGWater anv WastewaterCAP(A7AWWA & WE< , Lth evG, 2, d7part , 002 B	Rayong
Total : issolvev Uolivs : riev at bM2 vegree f	Ng/.	4	0	13L	≤bd22	≤d222	Utanvarv F ethovs @r the ExaN ination oGWater anv WastewaterCAP(A7AWWA & WE< , Lth evG, 2, d7part , 0L2 f	Rayong
Total Klervahl 6itrogen as 6	Ng/.	4	b2	b3	≤d0	≤b22	Utanvarv F ethovs @r the ExaN ination oGWater anv WastewaterCAP(A7AWWA & WE< , Lth evG, 2, d7part L022 4org 0S7part 6(d o S	Rayong
Total U-spenvev Uolivs : riev at b2d420 vegree f	Ng/.	4	0	bb	≤d2	≤02	Utanvarv F ethovs @r the ExaN ination oGWater anv WastewaterCAP(A7AWWA & WE< , Lth evG, 2, d7part , 0L2 :	Rayong

Technical Management

Photchana S.

PhotChana Ueeva

UDentist QLS

ทะเบียนเลขที่ 4ด, d4422, M

Approved by

D. Jhomon.

: ek f hangDhon

Unior F anager

ทะเบียนเลขที่ 4ด, d44222b

Res-Its apply to the saNpleQsas s-uN itev7- nless the saNpling was Dnrv- Dev exDpt in GII witho- t the written approval oGhe lauratoryC

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Analysis / Test Report

TESTING
No.0042

Client 5m-IG6f f oG. tvC

LbMF oo b76ontree7Kauin B- ri7PraChinu- ri Thailanv , 0bb2

P/O : L, b232, 23b

Project Name 5F onitoring EIA

Project Location 5m6f

Lot ID: 2518038

: ate ReDeicev 5F ar b17, 2, 0

: ate Reportev 5F ar , 07, 2, 0

Report 6- N uer 5d, 038d, 4b

Page , oG.

Guideline : m- iveline Qs5Water f haraDeristDs : isDcharge into Irrigation UysteN 7Royal Irrigation : epartN ent 6oDmY, 03bC
m- iveline Qs56otiDation oGthe F inistry oG6at- ral Reso- rDes anv EncironNent BEC, 030 5The stanvarv @r Controlling the visDcharge oG
wastewater @oN an eleDriDpower plantC

Sampling By : Uansoen Kh- iyo" s-i ทะเบียนเลขที่ 4ด, d442220 7Thanaso- n 6aNa"- nna ทะเบียนเลขที่ 4 2L442b2b

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. UaN pling is not inD- vev in sDope oGADrevitation IU) /IEf b12, 0

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Technical Management

Photchana S.

PhotChana Ueeva

UDentist QLS

ทะเบียนเลขที่ 4ด, d4422, M

Approved by

D. Jhomon.

: ek f hangDhon

Unior F anager

ทะเบียนเลขที่ 4ด, d44222b

Res-Its apply to the saNpleQsas s-uN itev7- nless the saNpling was Dnrv- Dev exDpt in GII witho- t the written approval oGhe lauratoryC

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : GNC-4210602403
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0042

Lot ID: 2518045
Date Received : Mar 17, 2025
Date Reported : Mar 24, 2025
Report Number : 3243142-1

Page 1 of 1

Sample Number	2518045-1						
Sampled Date	Mar 17, 2025 10:40 AM						
Sample Description	Wastewater						
Location	จุดระบายน้ำทิ้งก่อนระบายออกของโครงการ						
Date Analysis Commenced	Mar 17, 2025						
Condition of Sample	Contained in two glass vials and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤100	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	1.6	≤35	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chongon.

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-0001

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : GNC-4210602403
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0009

Lot ID: 2518045
Date Received : Mar 17, 2025
Date Reported : Mar 24, 2025
Report Number : 3243142-2

Page 1 of 1

Sample Number	2518045-1						
Sampled Date	Mar 17, 2025 10:40 AM						
Sample Description	Wastewater						
Location	จุดระบายน้ำทิ้งก่อนระบายออกของโครงการ						
Date Analysis Commenced	Mar 18, 2025						
Condition of Sample	Contained in two glass vials and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.004	≤0.25	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.008	≤1	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Savitree N.

Savitree Naisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-จ-0004

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : GNC-4210602403
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0009

Lot ID: 2518045
Date Received : Mar 17, 2025
Date Reported : Mar 25, 2025
Report Number : 3243142-3

Page 1 of 1

Sample Number	2518045-1						
Sampled Date	Mar 17, 2025 10:40 AM						
Sample Description	Wastewater						
Location	จุดระบายน้ำทิ้งของโรงกลั่น						
Date Analysis Commenced	Mar 18, 2025						
Condition of Sample	Contained in two glass vials and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Iron	mg/L	0.003	0.005	0.65	No Standard	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing								
Nitrate as N *	mg/L	0.015	0.05	4.28	No Standard	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Sansoen Khuiyoksul , Thanasoun Namakunna

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

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Approved by

Savitree N.

Savitree Noisangiam
Manager

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Analysis / Test Report

Client : Oubm Gof1 Qcf
Fb L oo F14 ontree1 MaNn K6ri1 Bra: PinN6ri TPailanc 72FF,
P/O : . 7F, v, 7, vF
Project Name : Qonitorinh gEA
Project Location : Ou4 G



TESTING
No.0042
Lot ID: 2518037
Date Received : 04Apr Fb17, 72
Date Reported : 04Apr 7v17, 72
Report Number : 46- Ner 0d73, bbd8F

Bahe F onf

Sample Number	72Fb, d38F						
Sampled Date	Apr Fb17, 72 F, Qv AL						
Sample Description	I asteWater						
Location	จุดระบายน้ำทิ้งของโครงการ						
Date Analysis Commenced	Apr Fb17, 72						
Condition of Sample	Gontainec in one a- Ner hlass Nottle anc tPree plasti: Nottles1sa- ple : ontainers :o- ply to pretreat- ent 8preserDation stancarc wABOA1(HgBAU						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Golor vat S rihinal pOU	AS L E	8	2	FF	≤d, ,	4o Htancarc	Htancarc L etPocs ror tPe g)a- ination onf ater anc I asteWaterf ABOA1AI I A x I g& 7. tP ecf17, 7d1part 7F7, &	Rayonh
Golor vat pO 3f, U	AS L E	8	2	b	≤d, ,	4o Htancarc	Htancarc L etPocs ror tPe g)a- ination onf ater anc I asteWaterf ABOA1AI I A x I g& 7. tP ecf17, 7d1part 7F7, &	Rayonh
Sil x urease	- h/C	8	d	<d	≤2	≤2	Htancarc L etPocs ror tPe g)a- ination onf ater anc I asteWaterf ABOA1AI I A x I g& 7. tP ecf17, 7d1part 227, K	Rayonh
pO at 72 cehree G		8	8	3fv	vf28f2	2f28f,	Htancarc L etPocs ror tPe g)a- ination onf ater anc I asteWaterf ABOA1AI I A x I g& 7. tP ecf17, 7d1part . 2, , 8O vKU	Rayonh
Te- perat6re *	5ehree G	8	8	d. f,	≤, ,	≤, ,	Htancarc L etPocs ror tPe g)a- ination onf ater anc I asteWaterf ABOA1AI I A x I g& 7. tP ecf17, 7d1part 722, K	Rayonh
Total 5issolDec Holics 5riec at - h/C Fb, cehree G		8	2	. d7	≤Fd, ,	≤d, ,	Htancarc L etPocs ror tPe g)a- ination onf ater anc I asteWaterf ABOA1AI I A x I g& 7. tP ecf17, 7d1part 72, , G	Rayonh
Total H6spencec Holics 5riec at F, d8F, 2 cehree G	- h/C	8	2	F.	≤d,	≤2,	Htancarc L etPocs ror tPe g)a- ination onf ater anc I asteWaterf ABOA1AI I A x I g& 7. tP ecf17, 7d1part 72, , 5	Rayonh

Guideline : u6iceline vFU01 ater GPara:teristi: s 5is: Parhe into Erihation Hyste- 1Royal Erihation 5epart- ent 4ofFb/72vFf u6iceline v7U04 otirritation ontPe L instry omAt6ral Reso6r: es anc gnDron- ent Kfgf 72v2 0TPe stancarc ror : ontrollinh tPe cis: Parhe om WasteWater mo- an ele: tri: poWer plantf

Sampling By : 4attaW6t AtPo- pro- - arat 7eเมียนเลขที่ 8ย7d8ย8 , , v 1TPanaso6n 4a- ak6nna 7eเมียนเลขที่ 8ย, . 8ย8 F, F

Re- ark 0
- CS5 0Q- it on6ete: tion
- QcQ 0CoWer tPan CSJ vQ- it omj 6antitionU/ CSR vQ- it onReportinhU
- AnalyteWU- arkec: * is/are not in: l6cec in s: ope om: : recitation B5/6yG F3, 72f
- H6- plinh is not in: l6cec in s: ope om: : recitation B5/6yG F3, 72

Technical Management

Photchana S.

BPot: Pana Heeca
Ht lentist w U
7eเมียนเลขที่ 8ย7d8ย8 , 7b

Approved by

D. J. J.

5e" GPanh: Pon
Henior L anaher
7eเมียนเลขที่ 8ย7d8ย8 , , F

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2518037
Date Received : Apr 18, 2025
Date Reported : Apr 26, 2025
Report Number : 3270883-2

Page 1 of 1

Sample Number	2518037-1						
Sampled Date	Apr 18, 2025 10:56 AM						
Sample Description	Wastewater						
Location	จุดระบายน้ำทิ้งของโครงการ						
Date Analysis Commenced	Apr 18, 2025						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Calcium	meq/L	0.003	0.005	2.11	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	meq/L	0.003	0.005	0.70	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR	-	-	0.10	2.15	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	meq/L	0.003	0.005	2.55	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing								
Chlorite	mg/L	0.05	0.1	<0.10	No Standard	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen	mg/L	-	0.1	7.1	≥2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Nattawut Athomprommarat , Thanasoun Namakunna

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

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Approved by

Chanatt L.

Chanattagarn Imchom
Section Head

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14494-21/ EMAIL



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : GNC-4210602403
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0042

Lot ID: 2530424
Date Received : Apr 18, 2025
Date Reported : Apr 25, 2025
Report Number : 3270885-1

Page 1 of 1

Sample Number	2530424-1						
Sampled Date	Apr 18, 2025 10:56 AM						
Sample Description	Wastewater						
Location	จุดระบายน้ำทิ้งของโรงงาน						
Date Analysis Commenced	Apr 18, 2025						
Condition of Sample	Contained in two glass vials and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤ 20	≤ 20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	37	≤ 100	≤ 120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	2.1	≤ 35	≤ 100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Nattawut Athomprommarat พื นตื คตล-323-จ-0006 , Thanasoun Namakunna พื นตื คตล-204-จ-0101

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
พื นตื คตล-323-จ-0028

Approved by

D. Chongchon

Dej Chongchon
Senior Manager
พื นตื คตล-323-จ-0001

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : GNC-4210602403
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2530424
Date Received : Apr 18, 2025
Date Reported : Apr 25, 2025
Report Number : 3270885-2

Page 1 of 1

Sample Number	2530424-1							
Sampled Date	Apr 18, 2025 10:56 AM							
Sample Description	Wastewater							
Location	จุดระบายน้ำทิ้งก่อนระบายออกของโครงการ							
Date Analysis Commenced	Apr 19, 2025							
Condition of Sample	Contained in two glass vials and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.003	≤0.25	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.007	≤1	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.74	No Standard	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Nattawut Athomprommarat ทะเบียนเลขที่ ๖-323-๖-0006 , Thanasoun Namakunna ทะเบียนเลขที่ ๖-204-๖-0101

Remark :
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Sawitree N.

Sawitree Noisangiam
Manager
ทะเบียนเลขที่ ๖-204-๖-0007

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
ทะเบียนเลขที่ ๖-204-๖-0004

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Analysis / Test Report

TESTING
No.0009

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : GNC-4210602403
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2530424
Date Received : Apr 18, 2025
Date Reported : Apr 25, 2025
Report Number : 3270885-3

Page 1 of 1

Sample Number	2530424-1							
Sampled Date	Apr 18, 2025 10:56 AM							
Sample Description	Wastewater							
Location	จุดระบายน้ำทิ้งก่อนระบายออกของโครงการ							
Date Analysis Commenced	Apr 19, 2025							
Condition of Sample	Contained in two glass vials and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Iron	mg/L	0.003	0.005	0.74	No Standard	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing								
Nitrate as N *	mg/L	0.015	0.05	3.97	No Standard	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Nattawut Athomprommarat , Thanasoun Namakunna

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- Sampling is not included in scope of accreditation ISO/IEC 17025

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Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2539816

State Re: elDec 0F ay b17, 2, 1

State Reportec 0F ay, v7, 2, 1

Report 6 - N uer Od, 3, 1184b

Page 1 of 1

Client 0m-IG6f f oC7. tcC

vbL F oo b76ontree7Mauin K- ri7Bra:Pinu-ri TPailanc, 1bb2

P/O : v, b2h2, 2hb

Project Name 0F onitoring EIA

Project Location 0m6f

Sample Number	, 1d3Lbh4b						
Sampled Date	F ay b17, 2, 1 b20db AF						
Sample Description	Wastewater						
Location	จุดระบายน้ำทิ้งของโครงการ						
Date Analysis Commenced	F ay b17, 2, 1						
Condition of Sample	f ontainec in one aN uer glass uottle anc tPree plasti: uottles7saN ple : ontainers : oN ply to pretreatNent 4preserDation stancarc CAB(A7HUEBAS						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
f olor Qit) riginal p(S	ASFI	4	1	b2	≤d22	6o Utancarc	Utancarc F etPocs Qir tPe ExaN ination oGWater anc WastewaterCAB(A7AWWA & WE<, vTP ecC, 2, d7part, b, 2 <	Rayong
f olor Qit p(8Q2S	ASFI	4	1	8	≤d22	6o Utancarc	Utancarc F etPocs Qir tPe ExaN ination oGWater anc WastewaterCAB(A7AWWA & WE<, vTP ecC, 2, d7part, b, 2 <	Rayong
) il & mrese	Ng/.	4	d	9d	≤1	≤1	Utancarc F etPocs Qir tPe ExaN ination oGWater anc WastewaterCAB(A7AWWA & WE<, vTP ecC, 2, d7part 11, 2 K	Rayong
p(at, 1 cegree f		4	4	8Q	hQ4.Q	1Q4BQ	Utancarc F etPocs Qir tPe ExaN ination oGWater anc WastewaterCAB(A7AWWA & WE<, vTP ecC, 2, d7part v122 4(QKS	Rayong
TeN perat-re *	5egree f	4	4	dbQ	≤v2	≤v2	Utancarc F etPocs Qir tPe ExaN ination oGWater anc WastewaterCAB(A7AWWA & WE<, vTP ecC, 2, d7part, 112 K	Rayong
Total SissolDec Uolics Srieat at Ng/. bl2 cegree f	Ng/.	4	1	b, 2	≤bd22	≤d222	Utancarc F etPocs Qir tPe ExaN ination oGWater anc WastewaterCAB(A7AWWA & WE<, vTP ecC, 2, d7part, 1v2 f	Rayong
Total U-spencec Uolics Srieat at b2db21 cegree f	Ng/.	4	1	b,	≤d2	≤12	Utancarc F etPocs Qir tPe ExaN ination oGWater anc WastewaterCAB(A7AWWA & WE<, vTP ecC, 2, d7part, 1v2 5	Rayong

Guideline : m- iceline Q50Water f Para:teristi: s 5is: Parge into Irrigation UysteN 7Royal Irrigation 5epartNent 6oDL, 1hbC m- iceline Q 506otikation oGtPe F inistry oG6at- ral Reso- r: es anc EnDronNent KEC, 1h1 0TPe stancarc Qir : ontrolling tPe cis: Parge oG wastewater GoN an ele:tri: power plantC

Sampling By : f Pain- sorn . ertnantPak- n: Pai ทะเบียนเลขที่ ๖๔, ๘๔๒๒๖๖ 7 Battarapol Uawangjaitan ทะเบียนเลขที่ ๖๔, ๒๖๔๒๒๒

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- UnNpling is not in: I- cec in s: ope oGA:: recitation IU) /IEF b82, 1

Technical Management

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U: ientist QrS

ทะเบียนเลขที่ ๖๔, ๘๔๒๒, L

Approved by

D. Annon.

Sej f Pang: Pon

Unior F anager

ทะเบียนเลขที่ ๖๔, ๘๔๒๒๒๖

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539816

Date Received : May 15, 2025

Date Reported : May 24, 2025

Report Number : 3292557-2

Page 1 of 1

Sample Number	2539816-1						
Sampled Date	May 15, 2025 10:31 AM						
Sample Description	Wastewater						
Location	จุดระบายน้ำทิ้งของโครงการ						
Date Analysis Commenced	May 15, 2025						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Calcium	meq/L	0.003	0.005	0.93	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	meq/L	0.003	0.005	0.35	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR		-	-	1.01	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	meq/L	0.003	0.005	0.81	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing								
Chlorite	mg/L	0.05	0.1	0.12	No Standard	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen	mg/L	-	0.1	6.5	≥2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.

Guideline (2) : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Chainusorn Lertnanthakunchai, Pattarapol Sawangjaitam

Remark :

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

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Approved by

Sawitree N.

Sawitree Noisangiam

Manager

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Analysis / Test Report

Client 0u6lm#G Gof7Cxc
b3 F oo b74 ontree7LaNin M6ri7Kra:BinN6ri TBailanc , 1bb2
P/O : u4G8 , b2P2 , .2v
Project Name 0F onitorinh gEA
Project Location 0u4G



TESTING
No.0042
Lot ID: 2539831
5ate Re:eiDec 0F ay b17, 2, 1
5ate Reportec 0F ay , , 7, 2, 1
Report 46- Ner 0v, d, 13v8b

Kahe b omb

Sample Number	, 1vd3vb8b						
Sampled Date	Fay b17, 2, 1 b20vb AF						
Sample Description	I asteWater						
Location	จุดระบายน้ำทิ้งชุมชนบริเวณโรงกรองน้ำ						
Date Analysis Commenced	Fay bP7, 2, 1						
Condition of Sample	Gontainec in twb lass Dals anc m6r plasti: Nottles7sa- ple :ontainers :o- ply to pretreat- ent 8preserDation stancarc vAKQA7 (HgKAU						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
M55 vl cays at , 2 5ehree GU - h/C		8	, f2	<, f2	ι , 2	ι , 2	Htancarc F etBocs n6r tBe g)a- ination omf ater anc I asteWaterf AKQA7AI I A x I g& , . tB ecf7, 2, v7part 1, b2 M7part . 122 8S u	Rayonh
GS5	- h/C	bf1	, 1	<, 1	ι b22	ι b, 2	Htancarc F etBocs n6r tBe g)a- ination omf ater anc I asteWaterf AKQA7AI I A x I g& , . tB ecf7, 2, v7part 1, , 2 5	Rayonh
Total L9elcaBl 4itrohen as 4	- h/C	8	bf2	<bf2	ι v1	ι b22	Htancarc F etBocs n6r tBe g)a- ination omf ater anc I asteWaterf AKQA7AI I A x I g& , . tB ecf7, 2, v7part . 12284orh v6U7part 40v v6U	Rayonh

Guideline : u6iceline v6U0I ater fPara:teristi: s5is: Barhe into Erihation Hyste- 7Royal Erihation 5epart- ent 4ofb3/, 1Pbf u6iceline y U04otirination ontBe F inistry omHat6ral Reso6r: es anc gnDron- ent Mfg , 1P1 0TBe stancarc n6r : ontrollinh tBe cis: Barhe om WasteWater mo- an ele:tri: poWer plantf

Sampling By : GBain6sorn CertnantBa*6n: Bai ทวี นธน์ คหะลภ, v8&22. b 7Kattarapol HaWanh&ita- ทวี นธน์ คหะลภ 2. 8&222,

Re- ar* 0
- CS5 0G- it om6ete:tion
- j<j 0CoWer tBan CSk vG- it om6antitationU/ CSR vG- it omReportinhU
- AnalytewU- ar*ec Q is/are not in: l6cec in s: ope omA:: recitation B&5/6g b*2, 1f
- H6- plinh is not in: l6cec in s: ope omA:: recitation B&5/6g b*2, 1

Technical Management

Photchanas.

KBot: Bana Heeca
H:ientist w U
ทวี นธน์ คหะลภ, v8&22, 3

Approved by

D. Annon.

5e9 GBanh: Bon
Henior F anaher
ทวี นธน์ คหะลภ, v8&222b

Results apply to the sample(s) as stated. If the sample is not as stated, the results may not be valid. The results are for information only and do not constitute a guarantee of accuracy.

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Analysis / Test Report

Client 0m- IG8f f oC7. tcC
Lb4 F oo b78 ontree7Mauin K- ri7Bra: Pinu- ri TPailanc , 1bb2
P/O : n8f 3, b2h2, L2v
Project Name 0F onitorinh gEA
Project Location 0m8f



TESTING
No.0009
Lot ID: 2539831
5ate Re:eiDec 0F ay b17, 2, 1
5ate Reportec 0F ay , , 7, 2, 1
Report 8- Nuer 0v, d, 14v3

Ba6e b oGb

Sample Number	, 1vd4vb3b						
Sampled Date	Fay b17, 2, 1 b20vb AF						
Sample Description	I aste9 ater						
Location	W/ ตระเวน 10 ตารางกิโลเมตร						
Date Analysis Commenced	Fay bh7, 2, 1						
Condition of Sample	f ontainec in t9 o Glass Dals anc @- r plasti: uottles7saN ple :ontainers :oN ply to pretreatN ent 3preserDation stancarc 1AB&A7 (HgBAU						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arseni:	N6/.	2Q22v	2Q221	2Q22b	k 2C 1	8o Htancarc	Htancarc F etPocs @r tPe gSaNination oGI ater anc I aste9 aterCAB&A7AI I A) I gx; , LTP ecC7, 2, v7part vb, 1 K7v2v2 x	Kan68o&
fopper	N6/.	2Q22v	2Q221	2Q22v	k b	k , Q	Htancarc F etPocs @r tPe gSaNination oGI ater anc I aste9 aterCAB&A7AI I A) I gx; , LTP ecC7, 2, v7part vb, 1 K7v2v2 x	Kan68o&
Fer:- ry ≤	N6/.	2Q22b	2Q221	8ot 5ete:tec	k 2Q21	8o Htancarc	Htancarc F etPocs @r tPe gSaNination oGI ater anc I aste9 aterCAB&A7AI I A) I gx; , LTP ecC7, 2, v7part vb, 1 K7v2v2 x	Kan68o&
Heleni- N	N6/.	2Q22v	2Q221	8ot 5ete:tec	k 2Q2,	8o Htancarc	Htancarc F etPocs @r tPe gSaNination oGI ater anc I aste9 aterCAB&A7AI I A) I gx; , LTP ecC7, 2, v7part vb, 1 K7v2v2 x	Kan68o&

Guideline : m- iceline 1bU0I ater fPara:teristi: s5is: Par6e into Erihation HysteN7Royal Erihation 5epartN ent 8oD4/, 1hbc m- iceline 1, U08otiGation oGPe F inistry oG8at- ral Reso- r: es anc gnDronN ent K&C, 1h1 0TPe stancarc @r : ontrollinh tPe cis: Par6e oG 9aste9 ater @oN an ele:tri: po9er plantC

Sampling By : f Pain- sorn . ertnantPa& n: Pai' ทวี นธน์ คหะลภ, v3&22Lb 7Battarapol Ha9 an6&itaN' ทวี นธน์ คหะลภ 2. 3&2222,

ReNar& 0

- .j 5 0. in it oG5ete:tion
- Q Q 0. o9er tPan . j O 1. in it oGO- antitationU/ . j R 1. in it oGReportinhU
- AnalyteUN ar&ec ≤ is/are not in: l- cec in s: ope oGA:: recitation B&5/6g b*2, 1C
- H&N plin6 is not in: l- cec in s: ope oGA:: recitation B&5/6g b*2, 1

Technical Management

Savitree N.

H&9 itree 8oisan&iaN
F ana6er
ทวี นธน์ คหะลภ, v3&22Lb 7Battarapol Ha9 an6&itaN' ทวี นธน์ คหะลภ 2. 3&2222,

Approved by

Kanok Anu.

Mno&8orn Ane&
Assistant meneral F ana6er
ทวี นธน์ คหะลภ, v3&22Lb 7Battarapol Ha9 an6&itaN' ทวี นธน์ คหะลภ 2. 3&2222,

Res- its apply to the sample(s) as stated. If the sample is not as stated, the results may not be valid. The results are for information only and do not constitute a guarantee of accuracy.

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Analysis / Test Report

Client 0m-IG8f f oC7. tcC
Lb4 F oo b78ontree7Mauin K- ri7Bra:Pinu- ri TPailanc , 1bb2
P/O : n8f 3, b2h2, L2v
Project Name OF onitorin6 gEA
Project Location 0m8f



TESTING
No.0009
Lot ID: 2539831
5ate Re: eiDec OF ay b17, 2, 1
5ate Reportec OF ay , , 7, 2, 1
Report 8- N uer 0v, d, 14v3v

Ba6e b oGb

Sample Number	, 1vd4vb3b						
Sampled Date	Fay b17, 2, 1 b20vb AF						
Sample Description	I aste9 ater						
Location	VW ตระเวน ไร่ ๑๖ ตระเวน ไร่ ๑๖						
Date Analysis Commenced	Fay bh7, 2, 1						
Condition of Sample	f ontainec in t9 o glass Dals anc G- r plasti: uottles7saN ple : ontainers : oN ply to pretreatN ent 3preserDation stancarc5 TABaA7 (HgBAU						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Bron	N6/.	2Q2v	2Q21	2Qd	8o Htancarc	k bQ	Htancarc F etPocs @r tPe gSaN ination oGI ater anc I aste9 aterCABaA7AI I A) I gx' , LTP ecC7, 2, v7part vb, 1 K7v2v2 x	Kan68o8x
Water Testing								
8itrate as 8 ≤	N6/.	2Qb1	2Q1	bQ,	8o Htancarc	k b2	Htancarc F etPocs @r tPe gSaN ination oGI ater anc I aste9 aterCABaA7AI I A) I gx' , LTP ecC7, 2, v7 part L12238 *v IgU	Rayon6

Guideline : m- iceline 1bU0I ater f Para:teristi: s 5is:Par6e into Briigation HysteN 7Royal Briigation 5epartN ent 8oC4/, 1hbC m- iceline 1, U08otiG:ation oGPe F inistry oG8at- ral Reso- r: es anc gnDronN ent KQ/C, 1h1 0TPe stancarc @r :ontrollin6 tPe cis: Par6e oG 9aste9 ater GoN an ele:tri: po9er plantC

Sampling By : f Pain- sorn . ertnantPa& n: Pai 7Battarapol Ha9 an6@litaN

ReN ar&0

- . *5 0. . IN it oG5 ete:tion
- Q Q 0. o9er tPan . *j 1. IN it oGj - antitationU/ . *R 1. IN it oGReportin6U
- Analyte'sUN ar&ec s is/are not in: l- cec in s: ope oGA: : recitation BH/ Bgf b<2, 1C
- HaN plin6 is not in: l- cec in s: ope oGA: : recitation BH/ Bgf b<2, 1

Approved by

Savitree N.

Ha9 itree 8oisaniaN
F ana6er

Res- Its apply to the saN ple'sUas s- uN itec7- nless the saN plin6 9 as : onc- :tec uy A- HCTPe report sPall not ue repro- :ec s: e: opt in G1 9 i8Po- t the 9 ritten apprai oGthe laboratoryC

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Analysis / Test Report

Client dc ulhb2 2o5C0t85
6fG E oo f CbontreeCI aPin JuriCDra4vinPuri Tvailan8 . Lff ,
P/O : 6. f , 3. , , 3f
Project Name dE onitorin9 - rA
Project Location dc b2



TESTING
No.0042
Lot ID: 2548303
: ate Re4e1e8 dGun f NC. , . L
: ate Reporte8 dGun . L C. , . L
Report buB Per dMMf f M LKf

D8e f oh.

Sample Number	. L6gM MF						
Sampled Date	Gun f NC. , . L f , dMAE						
Sample Description	Wastewater						
Location	จุดระบายน้ำทิ้งของโครงการ						
Date Analysis Commenced	Gun f NC. , . L						
Condition of Sample	2ontaine8 in one aB Per 4glass Pottle an8 h1e plasti4 PottlesCsaB ple 4ontainers 4oB ply to pretreatB ent Kpreserlation stan8ar8s QAD ACHU- DAS						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
J) : Q. 8ays at . , : e9ree 2S	B 9/0	K	. 5	7. 5	≤ ,	≤ ,	Utan8ar8 E etvo8s for tve - xaB ination ohWater an8 Wastewater5AD(ACWWA & W- F . 6tv e85C. , . Mpart L. f, J Cpart 6L , , K) c	Rayon9
Zolor Qat() ri9inal p(S	A: E m	K	L	. 6	≤ M ,	bo Utan8ar8	Utan8ar8 E etvo8s for tve - xaB ination ohWater an8 Wastewater5AD(ACWWA & W- F . 6tv e85C. , . Mpart . f. , F	Rayon9
Zolor Qat p(N5 S	A: E m	K	L	. ,	≤ M ,	bo Utan8ar8	Utan8ar8 E etvo8s for tve - xaB ination ohWater an8 Wastewater5AD(ACWWA & W- F . 6tv e85C. , . Mpart . f. , F	Rayon9
) il & c rease	B 9/0	K	M	7 M	≤ L	≤ L	Utan8ar8 E etvo8s for tve - xaB ination ohWater an8 Wastewater5AD(ACWWA & W- F . 6tv e85C. , . Mpart LL , , J	Rayon9
p(at . L 8e9ree 2		K	K	N6	39 kg9	L9 K<5	Utan8ar8 E etvo8s for tve - xaB ination ohWater an8 Wastewater5AD(ACWWA & W- F . 6tv e85C. , . Mpart LL , , J	Rayon9
TeB perature *	: e9ree 2	K	K	M 9	≤ 6,	≤ 6,	Utan8ar8 E etvo8s for tve - xaB ination ohWater an8 Wastewater5AD(ACWWA & W- F . 6tv e85C. , . Mpart . LL , J	Rayon9
Total : issol1e8 Uolli8s : rie8 at B 9/0 fg, 8e9ree 2		K	L	LM	≤ M ,	≤ M , ,	Utan8ar8 E etvo8s for tve - xaB ination ohWater an8 Wastewater5AD(ACWWA & W- F . 6tv e85C. , . Mpart . L6, 2	Rayon9
Total I jel8avl bitro9en as b	B 9/0	K	f 5	. 9	≤ ML	≤ f , ,	Utan8ar8 E etvo8s for tve - xaB ination ohWater an8 Wastewater5AD(ACWWA & W- F . 6tv e85C. , . Mpart 6L , , , Hbor9 Q2Scpart b(MO S	Rayon9
Total Uuspen8e8 Uolli8s : rie8 at f , Mf , L 8e9ree 2	B 9/0	K	L	f L	≤ M	≤ L,	Utan8ar8 E etvo8s for tve - xaB ination ohWater an8 Wastewater5AD(ACWWA & W- F . 6tv e85C. , . Mpart . L6 , :	Rayon9

Technical Management

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Dvot4vana Uee8a
Ulientist QES
ทะเบียนเลขที่ KM M6K , , g

Approved by

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: ej 2van94von
Uenior E ana9er
ทะเบียนเลขที่ KM M6K , , f

Results apply to the saB ple'sUas suB itteCunless tve saB plin9 was 4on4u88 Py A0J5Tve report svaill not Pe repro4u4e8 except in hull wivout tve written apprai olhtve lPoratoryS

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Analysis / Test Report

TESTING

No.0042

Lot ID: 2548303

: ate Re4ei1e8 dGin f NC. , . L

: ate Reporte8 dGin . LC. , . L

Report buB Per dMf f M LKf

De9e . oh.

Client dc ulhb2 2o5C0t85

6f g E oo f CbontreeCI aPin J uriCDra4vinPuri Tvailan8 . Lf f ,

P/O : 6. f , 3. , . 3f

Project Name dE onitorin9 - nA

Project Location dc b2

Guideline : cui8eline 3 SdWater 2vara4erist4s : is4var9e into mri9ation UysteB CRoyal mri9ation : epartB ent boF g/ . L3f 5
cui8eline O Sdbotit4ation ohtve E inistry ohbatural Resour4es an8 - n4ironB ent J 5 5. L3L dTve stan8ar8 for 4ontrollin9 tve 8is4var9e oh
wastewater froB an ele4tri4 power plant5

Sampling By : Uansoen I vuiyo" sui ทะเบียนเลขที่ K M M K , , L C Dattarapol Uawan9jaitaB ทะเบียนเลขที่ K , 6 K K , , .

ReB ar" d

- 0) : d0B it oh : ete4tion

- 7_ d0ower tvan 0) \ 0B it oh \ uantitation5/ 0) R 0B it oh Reportin95

- Analyte Q5 B ar" e8 * is/are not in4lu8e8 in s4ope ohA4re8itation rB) /m2 f N . L5

- UaB plin9 is not in4lu8e8 in s4ope ohA4re8itation rB) /m2 f N . L

Technical Management

Photchana S.

Dvot4vana Uee8a

U4ientist 06S

ทะเบียนเลขที่ K M M K , . g

Approved by

D. Annon.

: ej 2van94von

Uenior E ana9er

ทะเบียนเลขที่ K M M K , , f

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2548303

Date Received : Jun 17, 2025

Date Reported : Jun 25, 2025

Report Number : 3311315-2

Page 1 of 2

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Sample Number 2548303-1
Sampled Date Jun 17, 2025 10:53 AM
Sample Description Wastewater
Location จุดระบายน้ำทิ้งของโครงการ
Date Analysis Commenced Jun 17, 2025
Condition of Sample Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Calcium *	meq/L	0.003	0.005	2.44	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium *	meq/L	0.003	0.005	0.98	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Phosphorus	mg/L	0.03	0.05	0.48	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	0.10	2.92	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium *	meq/L	0.003	0.005	3.81	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing								
Chlorite *	mg/L	0.05	0.1	0.15	No Standard	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	6.9	≥2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.93	No Standard	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
Nitrite as N *	mg/L	0.0006	0.002	0.090	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO2 (B)	Rayong

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Approved by

Siriluk P.

Siriluk Bunnak

Section Head

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S:\Reports\All_2G\lpt (5:31PM)



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0009
Lot ID: 2548303
Date Received : Jun 17, 2025
Date Reported : Jun 25, 2025
Report Number : 3311315-2

Page 2 of 2

Sample Number : 2548303-1
Sampled Date : Jun 17, 2025 10:53 AM
Sample Description : Wastewater
Location : จุดระบายน้ำทิ้งของโครงการ
Date Analysis Commenced : Jun 17, 2025
Condition of Sample : Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Total Nitrogen as N *	mg/L	-	1.0	4.5	No Standard	No Standard	Calculation	Rayong

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Sansoen Khuiyoksui , Pattarapol Sawangjaitam

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

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

Approved by

Siriluk P.

Siriluk Bunnak
Section Head

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S:\Reports\All_2GL.rpt (5:31PM)



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : GNC-4210602403
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0042
Lot ID: 2548311
Date Received : Jun 17, 2025
Date Reported : Jun 24, 2025
Report Number : 3311344-1

Page 1 of 1

Sample Number : 2548311-1
Sampled Date : Jun 17, 2025 10:53 AM
Sample Description : Wastewater
Location : จุดระบายน้ำทิ้งของนิคมโรงงาน
Date Analysis Commenced : Jun 18, 2025
Condition of Sample : Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤ 20	≤ 20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	26	≤ 100	≤ 120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	2.3	≤ 35	≤ 100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Sansoen Khuiyoksui หรือ นสพ. ศพล-323-จ-0005 , Pattarapol Sawangjaitam หรือ นสพ. ศพล-204-จ-0002

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

Photchana S.

Photchana Seeda
Scientist (4)
หรือ นสพ. ศพล-323-จ-0028

Approved by

D. Chanchon

Dej Chanchon
Senior Manager
หรือ นสพ. ศพล-323-จ-0001

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : GNC-4210602403
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0009

Lot ID: 2548311
Date Received : Jun 17, 2025
Date Reported : Jun 24, 2025
Report Number : 3311344-2

Page 1 of 1

Sample Number 2548311-1
Sampled Date Jun 17, 2025 10:53 AM
Sample Description Wastewater
Location จุดระบายน้ำทิ้งก่อนระบายออกของโครงการ
Date Analysis Commenced Jun 18, 2025
Condition of Sample Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.005	≤0.25	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.008	≤1	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.82	No Standard	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Sansoen Khuiyoksui , Pattarapol Sawangjaitam

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

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Approved by

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Sawitree Noisangiam
Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : GNC-4210602403
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2548311
Date Received : Jun 17, 2025
Date Reported : Jun 24, 2025
Report Number : 3311344-3

Page 1 of 1

Sample Number 2548311-1
Sampled Date Jun 17, 2025 10:53 AM
Sample Description Wastewater
Location จุดระบายน้ำทิ้งก่อนระบายออกของโครงการ
Date Analysis Commenced Jun 18, 2025
Condition of Sample Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Nitrate as N	mg/L	0.015	0.05	1.98	No Standard	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

Guideline : Guideline (1) : Water Characteristics Discharge into Irrigation System, Royal Irrigation Department No.18/2561.
Guideline (2) : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Sansoen Khuiyoksui , Pattarapol Sawangjaitam

Remark :
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Photchana Seeda
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คุณภาพน้ำผิวดิน



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0042
Lot ID: 24143951
Date Received : Jan 16, 2025
Date Reported : Jan 24, 2025
Report Number : 3201914-1

Page 1 of 8

Sample Number	24143951-2						
Sampled Date	Jan 16, 2025 11:22 AM						
Sample Description	Surafce water						
Location	จุดที่ 2 : บริเวณคลองขุมพล ณ จัตุรนาถน้ำทิ้ง (บริเวณฝ่ายทยายศร)						
Date Analysis Commenced	Jan 16, 2025						
Condition of Sample	Contained in one amber glass bottle, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	<2.0	≤4		Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.7	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.1	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	25.0	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	408	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	43	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampling By : Nattawut Athomprommarat , Pattarapol Sawangjaitam

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0042
Lot ID: 24143951
Date Received : Jan 16, 2025
Date Reported : Jan 24, 2025
Report Number : 3201914-1

Page 3 of 8

Sample Number	24143951-3						
Sampled Date	Jan 16, 2025 11:45 AM						
Sample Description	Surafce water						
Location	จุดที่ 3 : บริเวณจุดบรรจบระหว่างคลองขุมพลกับแควหอนาม						
Date Analysis Commenced	Jan 16, 2025						
Condition of Sample	Contained in one amber glass bottle, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	<2.0	≤4		Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	7.8	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.3	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	24.5	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	57	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	19	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampling By : Nattawut Athomprommarat , Pattarapol Sawangjaitam

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0042
Lot ID: 24143951
Date Received : Jan 16, 2025
Date Reported : Jan 24, 2025
Report Number : 3201914-1

Page 5 of 8

Sample Number	24143951-4						
Sampled Date	Jan 16, 2025 11:40 AM						
Sample Description	Surafce water						
Location	จุดที่ 4 : บริเวณแควพนาหน้ำยจุดบรจรระหว่างคลองพมพลกับแควพนาหน้ำซีไป 500 เมตร						
Date Analysis Commenced	Jan 16, 2025						
Condition of Sample	Contained in one amber glass bottle, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	<2.0	≤4		Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	7.8	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.2	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	24.0	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	51	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	20	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampling By : Nattawut Athomprommarat , Pattarapol Sawangjaitam

Remark :
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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0042
Lot ID: 24143951
Date Received : Jan 16, 2025
Date Reported : Jan 24, 2025
Report Number : 3201914-1

Page 7 of 8

Sample Number	24143951-5						
Sampled Date	Jan 16, 2025 11:50 AM						
Sample Description	Surafce water						
Location	จุดที่ 5 : บริเวณแควพนาหน้ำยจุดบรจรระหว่างคลองพมพลกับแควพนาหน้ำซีไป 500 เมตร						
Date Analysis Commenced	Jan 16, 2025						
Condition of Sample	Contained in one amber glass bottle, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	<2.0	≤4		Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	7.7	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.2	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	24.2	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	48	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	19	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampling By : Nattawut Athomprommarat , Pattarapol Sawangjaitam

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

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0042
Lot ID: 2511878
Date Received : Feb 17, 2025
Date Reported : Feb 25, 2025
Report Number : 3228247-1

Page 1 of 8

Sample Number	2511878-2
Sampled Date	Feb 17, 2025 11:30 AM
Sample Description	Surafce water
Location	จุดที่ 2 : บริเวณคลองขุมพล ณ จระเขยน่าน้ำทิ้ง (บริเวณฝ่ายทยายศร)
Date Analysis Commenced	Feb 17, 2025
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	<2.0	≤4		Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.9	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.8	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.7	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	716	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	14	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampling By : Sansoen Khuiyoksui , Pattarapol Sawangjaitam

Remark :
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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0042
Lot ID: 2511878
Date Received : Feb 17, 2025
Date Reported : Feb 25, 2025
Report Number : 3228247-1

Page 3 of 8

Sample Number	2511878-3
Sampled Date	Feb 17, 2025 11:45 AM
Sample Description	Surafce water
Location	จุดที่ 3 : บริเวณจุดบรรจบระหว่างคลองขุมพลกับแควหนามาน
Date Analysis Commenced	Feb 17, 2025
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	<2.0	≤4		Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.9	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.8	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.8	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	50	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	19	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampling By : Sansoen Khuiyoksui , Pattarapol Sawangjaitam

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

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

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0042
Lot ID: 2511878
Date Received : Feb 17, 2025
Date Reported : Feb 25, 2025
Report Number : 3228247-1

Page 5 of 8

Sample Number	2511878-4					
Sampled Date	Feb 17, 2025 11:40 AM					
Sample Description	Surafce water					
Location	จุดที่ 4 : บริเวณแควหวนน่านเหนือจุดบรรจบระหว่างคลองชุมพลกับแควหวนน่านขึ้นไป 500 เมตร					
Date Analysis Commenced	Feb 17, 2025					
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)					

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	<2.0	≤4		Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	6.9	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	8.2	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.8	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	50	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	15	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampling By : Sansoen Khuiyoksui , Pattarapol Sawangjaitam

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

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0042
Lot ID: 2511878
Date Received : Feb 17, 2025
Date Reported : Feb 25, 2025
Report Number : 3228247-1

Page 7 of 8

Sample Number	2511878-5					
Sampled Date	Feb 17, 2025 11:50 AM					
Sample Description	Surafce water					
Location	จุดที่ 5 : บริเวณแควหวนน่านท้ายจุดบรรจบระหว่างคลองชุมพลกับแควหวนน่านลงไป 500 เมตร					
Date Analysis Commenced	Feb 17, 2025					
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)					

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	<2.0	≤4		Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	7.0	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.9	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.8	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	46	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	18	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampling By : Sansoen Khuiyoksui , Pattarapol Sawangjaitam

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

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TESTING
No.0009

Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2518043
Date Received : Mar 17, 2025
Date Reported : Mar 25, 2025
Report Number : 3243140-1

Page 1 of 8

Sample Number	2518043-2						
Sampled Date	Mar 17, 2025 11:10 AM						
Sample Description	Surafce water						
Location	จุดที่ 2 : บริเวณคลองขุมพล ณ จุดระบายน้ำทิ้ง (บริเวณฝ่ายทดสอบ)						
Date Analysis Commenced	Mar 17, 2025						
Condition of Sample	Contained in one amber glass bottle, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	2.5	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	7.6	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C	-	-	-	7.7	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.1	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	776	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	19	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
n': Change from Natural condition not more than 3 degree C

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TESTING
No.0009

Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2518043
Date Received : Mar 17, 2025
Date Reported : Mar 25, 2025
Report Number : 3243140-1

Page 3 of 8

Sample Number	2518043-3						
Sampled Date	Mar 17, 2025 11:35 AM						
Sample Description	Surafce water						
Location	จุดที่ 3 : บริเวณจุดบรรจบระหว่างคลองขุมพลกับแควนพนา						
Date Analysis Commenced	Mar 17, 2025						
Condition of Sample	Contained in one amber glass bottle, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	7.7	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C	-	-	-	7.5	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.9	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	57	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	19	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
n': Change from Natural condition not more than 3 degree C

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TESTING
No.0009

Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2518043
Date Received : Mar 17, 2025
Date Reported : Mar 25, 2025
Report Number : 3243140-1

Page 5 of 8

Sample Number	2518043-4						
Sampled Date	Mar 17, 2025 11:25 AM						
Sample Description	Surafce water						
Location	จุดที่ 4 : บริเวณแควหมีน่านเหนือจุดบรรจบระหว่างคลองขุมพลกับแควหมีน่านขึ้นไป 500 เมตร						
Date Analysis Commenced	Mar 17, 2025						
Condition of Sample	Contained in one amber glass bottle, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	7.3	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C	-	-	-	7.3	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.5	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	63	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	18	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
n': Change from Natural condition not more than 3 degree C

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TESTING
No.0009

Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2518043
Date Received : Mar 17, 2025
Date Reported : Mar 25, 2025
Report Number : 3243140-1

Page 7 of 8

Sample Number	2518043-5						
Sampled Date	Mar 17, 2025 11:45 AM						
Sample Description	Surafce water						
Location	จุดที่ 5 : บริเวณแควหมีน่านท้ายจุดบรรจบระหว่างคลองขุมพลกับแควหมีน่านลงไป 500 เมตร						
Date Analysis Commenced	Mar 17, 2025						
Condition of Sample	Contained in one amber glass bottle, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	7.6	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C	-	-	-	7.3	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.4	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	54	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	17	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0042
Lot ID: 2530423
Date Received : Apr 18, 2025
Date Reported : Apr 26, 2025
Report Number : v230884-1

Page 1 of 8

Sample Number	25v042v-2					
Sampled Date	Apr 18, 2025 11:25 AM					
Sample Description	wuraface (ater					
Location	จุดที่ 2 : บริเวณคลองขุมพล ณ จัตุรนาถน้ำทิ้ง (บริเวณฝ่ายทดสอบ)					
Date Analysis Commenced	Apr 18, 2025					
Condition of Sample	Contained in (o BH7 bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards)APUA, *vEPAO					

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BH7 x	mg/L	-	2	W2.0	≤4		Rayong
Chlorite x	mg/L	0.05	0.1	Not Detected	No standard	In-house method : wTM 04-061 based on *nited wates EnDronmental Protection Agency, 1SSS, EPA Method v00.1	Bangso&
7 issolDed HFygen x	mg/L	-	0.1	6.5	≥2	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 4500-H)CO	Rayong
Hil k Grease x	mg/L	-	v	Ww	No standard	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 5520 B	Rayong
pU at 25 degree C		-	-	3.4	5.0-S.0	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 4500 - U)BO	Rayong
Temperature x	7egree C	-	-	vv.4	n'	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 2550 B	Rayong
Total 7 issolDed wolds 7 ried at 180 degree C	mg/L	-	5	v60	No standard	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 2540 C	Rayong
Total wuspended wolds 7 ried at 10v-105 degree C x	mg/L	-	5	2v	No standard	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 2540 7	Rayong

Guideline : Notification of the National EnDronmental Board, No. 8, B.E.25v3 issued under the Enhancement and ConserDation of National EnDronmental Quality Act. B.E.25v5, published in the Royal GoDernment Gazette, Vol. 111, Part 16, 7ated <bruary 24, B.E. 25v3)Class 40

n': Change from Natural condition not more than v degree C

Sampling By : Natta(ut Athomprommarat , Thanasoun Nama&unna

Remark&:

- LH7 : Limit of 7 etection
- \W : Lo(er than LHQ)Limit of QuantitationO/ LHR)Limit of ReportingO

Results apply to the sample(s)as submitted, unless the sampling (as conducted by ALw. The report shall not be reproduced ecept in full (ithout the (ritten approval of the laboratory.

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14454-21/ EMAIL



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0042
Lot ID: 2530423
Date Received : Apr 18, 2025
Date Reported : Apr 26, 2025
Report Number : v230884-1

Page v. of 8

Sample Number	25v042v-v					
Sampled Date	Apr 18, 2025 11:45 AM					
Sample Description	wuraface (ater					
Location	จุดที่ v : บริเวณจุดบรรจบระหว่างคลองขุมพลกับแควห้วยนา					
Date Analysis Commenced	Apr 18, 2025					
Condition of Sample	Contained in t(o BH7 bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards)APUA, *vEPAO					

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BH7 x	mg/L	-	2	W2.0	≤4		Rayong
Chlorite x	mg/L	0.05	0.1	Not Detected	No standard	In-house method : wTM 04-061 based on *nited wates EnDronmental Protection Agency, 1SSS, EPA Method v00.1	Bangso&
7 issolDed HFygen x	mg/L	-	0.1	6.8	≥2	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 4500-H)CO	Rayong
Hil k Grease x	mg/L	-	v	Ww	No standard	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 5520 B	Rayong
pU at 25 degree C		-	-	3.1	5.0-S.0	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 4500 - U)BO	Rayong
Temperature x	7egree C	-	-	v2.4	n'	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 2550 B	Rayong
Total 7 issolDed wolds 7 ried at 180 degree C	mg/L	-	5	51	No standard	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 2540 C	Rayong
Total wuspended wolds 7 ried at 10v-105 degree C x	mg/L	-	5	15	No standard	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 2540 7	Rayong

Guideline : Notification of the National EnDronmental Board, No. 8, B.E.25v3 issued under the Enhancement and ConserDation of National EnDronmental Quality Act. B.E.25v5, published in the Royal GoDernment Gazette, Vol. 111, Part 16, 7ated <bruary 24, B.E. 25v3)Class 40

n': Change from Natural condition not more than v degree C

Sampling By : Natta(ut Athomprommarat , Thanasoun Nama&unna

Remark&:

- LH7 : Limit of 7 etection
- \W : Lo(er than LHQ)Limit of QuantitationO/ LHR)Limit of ReportingO

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14454-21/ EMAIL



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0042
Lot ID: 2530423
Date Received : Apr 18, 2025
Date Reported : Apr 26, 2025
Report Number : v230884-1

Page 5 of 8

Sample Number	25v042v-4					
Sampled Date	Apr 18, 2025 11:44 AM					
Sample Description	wurface (ater					
Location	จุดที่ 4 : บริเวณแควหนามเหนือจุดบรรจบระหว่างคลองชุมพลกับแควหนามขึ้นไป 500 เมตร					
Date Analysis Commenced	Apr 18, 2025					
Condition of Sample	Contained in (o BH7 bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards)APUA, *vEPAO					

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BH7 x	mg/L	-	2	W2.0	≤4		Rayong
Chlorite x	mg/L	0.05	0.1	Not Detected	No standard	In-house method : wTM 04-061 based on *nited wates EnDronmental Protection Agency, 1SSS, EPA Method v00.1	Bang&o&
7 issolDed HFygen x	mg/L	-	0.1	3.5	≥2	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 4500-H)CO	Rayong
Hil k Grease x	mg/L	-	v	Ww	No standard	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 5520 B	Rayong
pU at 25 degree C		-	-	3.2	5.0-S.0	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 4500 - U)BO	Rayong
Temperature x	7egree C	-	-	v2.1	n'	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 2550 B	Rayong
Total 7 issolDed wolds 7 ried at 180 degree C	mg/L	-	5	53	No standard	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 2540 C	Rayong
Total wuspended wolds 7 ried at 10v-105 degree C x	mg/L	-	5	18	No standard	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 2540 7	Rayong

Guideline : Notification of the National EnDronmental Board, No. 8, B.E.25v3 issued under the Enhancement and ConserDation of National EnDronmental Quality Act. B.E.25v5, published in the Royal GoDernment Gazette, Vol. 111, Part 16, 7ated <bruary 24, B.E. 25v3)Class 40

n': Change from Natural condition not more than v degree C

Sampling By : Natta(ut Athomprommarat , Thanasoun Nama&unna

Remark&:

- LH7 : Limit of 7 etection
- \W : Lo(er than LHQ)Limit of QuantitationO/ LHR)Limit of ReportingO

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0042
Lot ID: 2530423
Date Received : Apr 18, 2025
Date Reported : Apr 26, 2025
Report Number : v230884-1

Page 3 of 8

Sample Number	25v042v-5					
Sampled Date	Apr 18, 2025 11:52 AM					
Sample Description	wurface (ater					
Location	จุดที่ 5 : บริเวณแควหนามท้ายจุดบรรจบระหว่างคลองชุมพลกับแควหนามลงไป 500 เมตร					
Date Analysis Commenced	Apr 18, 2025					
Condition of Sample	Contained in (o BH7 bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards)APUA, *vEPAO					

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BH7 x	mg/L	-	2	W2.0	≤4		Rayong
Chlorite x	mg/L	0.05	0.1	Not Detected	No standard	In-house method : wTM 04-061 based on *nited wates EnDronmental Protection Agency, 1SSS, EPA Method v00.1	Bang&o&
7 issolDed HFygen x	mg/L	-	0.1	3.3	≥2	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 4500-H)CO	Rayong
Hil k Grease x	mg/L	-	v	Ww	No standard	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 5520 B	Rayong
pU at 25 degree C		-	-	3.1	5.0-S.0	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 4500 - U)BO	Rayong
Temperature x	7egree C	-	-	v2.4	n'	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 2550 B	Rayong
Total 7 issolDed wolds 7 ried at 180 degree C	mg/L	-	5	60	No standard	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 2540 C	Rayong
Total wuspended wolds 7 ried at 10v-105 degree C x	mg/L	-	5	20	No standard	wstandard Methods for the EFamination of 9 ater and 9 aste(ater. APUA, A9 9 A k 9 E< 24th ed., 202v, part 2540 7	Rayong

Guideline : Notification of the National EnDronmental Board, No. 8, B.E.25v3 issued under the Enhancement and ConserDation of National EnDronmental Quality Act. B.E.25v5, published in the Royal GoDernment Gazette, Vol. 111, Part 16, 7ated <bruary 24, B.E. 25v3)Class 40

n': Change from Natural condition not more than v degree C

Sampling By : Natta(ut Athomprommarat , Thanasoun Nama&unna

Remark&:

- LH7 : Limit of 7 etection
- \W : Lo(er than LHQ)Limit of QuantitationO/ LHR)Limit of ReportingO

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2539817

Fate Received : May 15, 2025

Fate Reported : May 20, 2025

Report Number : D2v255v3l

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Sample Number	25Dv81m8						
Sampled Date	May 15, 2025 11:20 AM						
Sample Description	Surface water						
Location	จุดที่ 1 : บริเวณคลองขุนพล ณ จุดรวม น้ำที่วัง (บริเวณ ผัง 500 เมตร						
Date Analysis Commenced	May 15, 2025						
Condition of Sample	Contained in two B(F bottles, one a- ber glass bottle and three plastic bottles, sa- ple containers co- ply to pretreat- ent 3 preservation standards)APOA, HSEPAU						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
B(F *	- g/L	3	2	D.2	~ 4	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 2020, part 5210 B, part 4500 3(C	Rayong
Chlorite *	- g/L	0.05	0.1	Not Fected	No Standard	In-house - ethod : STM 043061 based on United States En7iron- ental Protection Agency, 1vvv, EPA Method D00.1	BangWw
Fissol7ed (-ygen *	- g/L	3	0.1	6.2	u 2	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 2020, part 45003)CU	Rayong
(il k Grease *	- g/L	3	D	&D	No Standard	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 2020, part 5520 B	Rayong
pO at 25 degree C		3	3	6.1	5.03v.0	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 2020, part 4500 3 O)BU	Rayong
Te- perature *	Fegree C	3	3	DD.0	n'	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 2020, part 2550 B	Rayong
Total Fissol7ed Solids Fried at 180 degree C	- g/L	3	5	D06	No Standard	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 2020, part 2540 C	Rayong
Total Suspended Solids Fried at 100Dl05 degree C *	- g/L	3	5	80	No Standard	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 2020, part 2540 F	Rayong

Guideline : Notification of the National En7iron- ental Board, No. 8, B.E.25Dmissued under the Enhance- ent and Conser7ation of National En7iron- ental Quality Act. B.E.25D5, published in the Royal Go7ern- ent Gazette, Vol. 111, Part 16, Fated xebuary 24, B.E. 25Dm)Class 4U

n': Change fro- Natural condition not - ore than D degree C

Sampling By : Chainusorn LertnanthaWinchai , Pattarapol Sawangjaita-

Results apply to the sa- ple(s)as sub- itted, unless the sa- pling was conducted by ALS. The report shall not be reproduced e-cept in full without the written appro7al of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2539817

Fate Received : May 15, 2025

Fate Reported : May 20, 2025

Report Number : D2v255v3l

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Sample Number	25Dv81m8						
Sampled Date	May 15, 2025 11:00 AM						
Sample Description	Surface water						
Location	จุดที่ 2 : บริเวณคลองขุนพล ณ จุดรวม น้ำที่วัง (บริเวณ ผัง 500 เมตร						
Date Analysis Commenced	May 15, 2025						
Condition of Sample	Contained in two B(F bottles, one a- ber glass bottle and three plastic bottles, sa- ple containers co- ply to pretreat- ent 3 preservation standards)APOA, HSEPAU						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
B(F *	- g/L	3	2	D.v	~ 4	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 2020, part 5210 B, part 4500 3(C	Rayong
Chlorite *	- g/L	0.05	0.1	Not Fected	No Standard	In-house - ethod : STM 043061 based on United States En7iron- ental Protection Agency, 1vvv, EPA Method D00.1	BangWw
Fissol7ed (-ygen *	- g/L	3	0.1	5.D	u 2	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 2020, part 45003)CU	Rayong
(il k Grease *	- g/L	3	D	&D	No Standard	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 2020, part 5520 B	Rayong
pO at 25 degree C		3	3	m0	5.03v.0	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 2020, part 4500 3 O)BU	Rayong
Te- perature *	Fegree C	3	3	D2.2	n'	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 2020, part 2550 B	Rayong
Total Fissol7ed Solids Fried at 180 degree C	- g/L	3	5	4D6	No Standard	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 2020, part 2540 C	Rayong
Total Suspended Solids Fried at 100Dl05 degree C *	- g/L	3	5	1D	No Standard	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 2020, part 2540 F	Rayong

Guideline : Notification of the National En7iron- ental Board, No. 8, B.E.25Dmissued under the Enhance- ent and Conser7ation of National En7iron- ental Quality Act. B.E.25D5, published in the Royal Go7ern- ent Gazette, Vol. 111, Part 16, Fated xebuary 24, B.E. 25Dm)Class 4U

n': Change fro- Natural condition not - ore than D degree C

Sampling By : Chainusorn LertnanthaWinchai , Pattarapol Sawangjaita-

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2539817

Fate Received : May 15, 2025

Fate Reported : May 20, 2025

Report Number : D2v255v3l

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Sample Number	25Dv81m8D
Sampled Date	May 15, 2025 11:5D AM
Sample Description	Surface water
Location	จุดที่ D : บริเวณจุดบรรจบระหว่างคลองขุนพลไปดเคชะภูมิ ำ
Date Analysis Commenced	May 15, 2025
Condition of Sample	Contained in two B(F bottles, one a- ber glass bottle and three plastic bottles, sa- ple containers co- ply to pretreat- ent 3 preservation standards)APOA, HSEPAU

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
B(F *	- g/L	3	2	&2.0	~ 4	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 202D, part 5210 B, part 4500 3(C	Rayong
Chlorite *	- g/L	0.05	0.1	Not Fected	No Standard	In-house - ethod : STM 043061 based on United States En7iron- ental Protection Agency, 1vvv, EPA Method D00.1	BangWw
Fissol7ed (-ygen *	- g/L	3	0.1	6.0	u 2	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 202D, part 45003)CU	Rayong
(il k Grease *	- g/L	3	D	&D	No Standard	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 202D, part 5520 B	Rayong
pO at 25 degree C		3	3	m4	5.03v.0	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 202D, part 4500 3O)BU	Rayong
Te- perature *	Fegree C	3	3	D0.v	n'	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 202D, part 2550 B	Rayong
Total Fissol7ed Solids Fried at 180 degree C	- g/L	3	5	82	No Standard	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 202D, part 2540 C	Rayong
Total Suspended Solids Fried at 10D3l05 degree C *	- g/L	3	5	m1	No Standard	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 202D, part 2540 F	Rayong

Guideline : Notification of the National En7iron- ental Board, No. 8, B.E.25Dmissued under the Enhance- ent and Conser7ation of National En7iron- ental Quality Act. B.E.25D5, published in the Royal Go7ern- ent Gazette, Vol. 111, Part 16, Fated xebuary 24, B.E. 25Dm)Class 4U

n': Change fro- Natural condition not - ore than D degree C

Sampling By : Chainusorn LertnanthaWinchai , Pattarapol Sawangjaita-

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2539817

Fate Received : May 15, 2025

Fate Reported : May 20, 2025

Report Number : D2v255v3l

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Sample Number	25Dv81m8D
Sampled Date	May 15, 2025 11:4v AM
Sample Description	Surface water
Location	จุดที่ 4 : บริเวณดเคชะภูมิ ำระมาดจุดบรรจบระหว่างคลองขุนพลไปดเคชะภูมิ ำระ 500 เมตร
Date Analysis Commenced	May 15, 2025
Condition of Sample	Contained in two B(F bottles, one a- ber glass bottle and three plastic bottles, sa- ple containers co- ply to pretreat- ent 3 preservation standards)APOA, HSEPAU

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
B(F *	- g/L	3	2	D.5	~ 4	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 202D, part 5210 B, part 4500 3(C	Rayong
Chlorite *	- g/L	0.05	0.1	Not Fected	No Standard	In-house - ethod : STM 043061 based on United States En7iron- ental Protection Agency, 1vvv, EPA Method D00.1	BangWw
Fissol7ed (-ygen *	- g/L	3	0.1	6.0	u 2	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 202D, part 45003)CU	Rayong
(il k Grease *	- g/L	3	D	&D	No Standard	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 202D, part 5520 B	Rayong
pO at 25 degree C		3	3	m2	5.03v.0	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 202D, part 4500 3O)BU	Rayong
Te- perature *	Fegree C	3	3	D1.5	n'	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 202D, part 2550 B	Rayong
Total Fissol7ed Solids Fried at 180 degree C	- g/L	3	5	mm	No Standard	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 202D, part 2540 C	Rayong
Total Suspended Solids Fried at 10D3l05 degree C *	- g/L	3	5	m5	No Standard	Standard Methods for the E-a- ination of 9 ater and 9 astewater. APOA, A9 9 A k 9 Ex, 24th ed., 202D, part 2540 F	Rayong

Guideline : Notification of the National En7iron- ental Board, No. 8, B.E.25Dmissued under the Enhance- ent and Conser7ation of National En7iron- ental Quality Act. B.E.25D5, published in the Royal Go7ern- ent Gazette, Vol. 111, Part 16, Fated xebuary 24, B.E. 25Dm)Class 4U

n': Change fro- Natural condition not - ore than D degree C

Sampling By : Chainusorn LertnanthaWinchai , Pattarapol Sawangjaita-

Results apply to the sa- ple(s)as sub- itted, unless the sa- pling was conducted by ALS. The report shall not be reproduced e-cept in full without the written appro7al of the laboratory.

Approved by

Photchana S.

Photchana Seeda
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Analysis / Test Report

TESTING
No.0042

Lot ID: 2539817

Fate Received : May 15, 2025

Fate Reported : May 20, 2025

Report Number : D2v255v3l

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Sample Number	25Dv81m85						
Sampled Date	May 15, 2025 11:56 AM						
Sample Description	Surface water						
Location	จุดที่ 5 : บริเวณคลองชลประทาน หมู่ 5 ตำบลหนองปลาไหล ระยะทาง 500 เมตร						
Date Analysis Commenced	May 15, 2025						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, HSEPAU)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	- g/L	3	2	8.2.0	~ 4	Standard Methods for the Examination of Water and Wastewater. APHA, A9 9 A k 9 Ex, 24th ed., 2020, part 5210 B, part 4500 3 (C)	Rayong
Chlorite *	- g/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 043061 based on United States Environmental Protection Agency, 1999, EPA Method D00.1	Bangkok
Dissolved Oxygen *	- g/L	3	0.1	5.0	~ 2	Standard Methods for the Examination of Water and Wastewater. APHA, A9 9 A k 9 Ex, 24th ed., 2020, part 4500 3 (C)	Rayong
Oil & Grease *	- g/L	3	D	&D	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, A9 9 A k 9 Ex, 24th ed., 2020, part 5520 B	Rayong
pH at 25 degree C		3	3	m1	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, A9 9 A k 9 Ex, 24th ed., 2020, part 4500 3 (B)	Rayong
Temperature *	Degree C	3	3	D1.m	n'	Standard Methods for the Examination of Water and Wastewater. APHA, A9 9 A k 9 Ex, 24th ed., 2020, part 2550 B	Rayong
Total Dissolved Solids at 180 degree C	- g/L	3	5	81	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, A9 9 A k 9 Ex, 24th ed., 2020, part 2540 C	Rayong
Total Suspended Solids at 100-105 degree C *	- g/L	3	5	85	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, A9 9 A k 9 Ex, 24th ed., 2020, part 2540 F	Rayong

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4U)

n': Change from Natural condition not more than 3 degree C

Sampling By : Chainusorn LertnanthaWinchai, Pattarapol Sawangjaita

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

Approved by

Photchanas

Photchanas Seeda
Scientist (4U)

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548304

Date Received : Jun 18, 2025

Date Reported : Jun 26, 2025

Report Number : 3311331-1

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Sample Number	2548304-1						
Sampled Date	Jun 18, 2025 10:35 AM						
Sample Description	Surface water						
Location	จุดที่ 1 : บริเวณคลองชลประทาน หมู่ 1 ตำบลวังช้าง 500 เมตร						
Date Analysis Commenced	Jun 18, 2025						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	<2	~ 4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	2.3	~ 2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - O (C)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	6.9	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.6	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids at 180 degree C	mg/L	-	5	137	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids at 103-105 degree C *	mg/L	-	5	44	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

Sampling By : Nattawat Athomprommarat

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

Approved by

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Photchanas Seeda
Scientist (4)

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0042
Lot ID: 2548304
Date Received : Jun 18, 2025
Date Reported : Jun 26, 2025
Report Number : 3311331-1

Page 3 of 10

Sample Number	2548304-2						
Sampled Date	Jun 18, 2025 11:05 AM						
Sample Description	Surafce water						
Location	จุดที่ 2 : บริเวณคลองชุมชนพล ณ จักรพงษ์ ฝั้วทอง (บริเวณฝั้ว ฝั้วทอง ฝั้วทอง)						
Date Analysis Commenced	Jun 18, 2025						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	2.7	~ 4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.7	~ 2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	6.6	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.7	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	224	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	92	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
n': Change from Natural condition not more than 3 degree C
Sampling By : Nattawut Athomprommarat

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

Approved by

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Photchana Seeda
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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0042
Lot ID: 2548304
Date Received : Jun 18, 2025
Date Reported : Jun 26, 2025
Report Number : 3311331-1

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Sample Number	2548304-3						
Sampled Date	Jun 18, 2025 12:10 PM						
Sample Description	Surafce water						
Location	จุดที่ 3 : บริเวณจุดบรรจบระหว่างคลองชุมชนพลไปคลองรางน้ำ						
Date Analysis Commenced	Jun 18, 2025						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	2.8	~ 4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	7.3	~ 2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.3	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.8	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	36	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	20	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
n': Change from Natural condition not more than 3 degree C
Sampling By : Nattawut Athomprommarat

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

Approved by

Photchana S.

Photchana Seeda
Scientist (4)

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0042
Lot ID: 2548304
Date Received : Jun 18, 2025
Date Reported : Jun 26, 2025
Report Number : 3311331-1

Page 7 of 10

Sample Number	2548304-4						
Sampled Date	Jun 18, 2025 11:47 AM						
Sample Description	Surface water						
Location	จุดที่ 4 : บริเวณตลิ่งแม่น้ำท่าจีน จ.สมุทรสาคร						
Date Analysis Commenced	Jun 18, 2025						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	<2	~ 4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	7.6	~ 2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Oil & Grease	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.2	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.7	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	39	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	20	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
n': Change from Natural condition not more than 3 degree C
Sampling By : Nattawut Athomprommarat

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

Approved by

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Scientist (4)

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC



TESTING
No.0042
Lot ID: 2548304
Date Received : Jun 18, 2025
Date Reported : Jun 26, 2025
Report Number : 3311331-1

Page 9 of 10

Sample Number	2548304-5						
Sampled Date	Jun 18, 2025 12:35 PM						
Sample Description	Surface water						
Location	จุดที่ 5 : บริเวณตลิ่งแม่น้ำท่าจีน จ.สมุทรสาคร						
Date Analysis Commenced	Jun 18, 2025						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	<2	~ 4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	7.3	~ 2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.3	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.7	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	40	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	23	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
n': Change from Natural condition not more than 3 degree C
Sampling By : Nattawut Athomprommarat

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Approved by

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Photchana Seeda
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สถานีวิจัยประมงศรีราชา

101/12 หมู่ 9 ต. บางพระ

อ. ศรีราชา จ. ชลบุรี 20110

โทร./โทรสาร. (038) 311379

Client : Gulf NC Co., Ltd.

Address : 418 Moo 1 Nontree, Kabin Buri, Prachinburi, Thailand, 25110

Project Name : Monitoring EIA

Project Location : GNC

รายงานผลการวิเคราะห์แหล่งกักต่อน้ำ

ตาราง ผลการวิเคราะห์แหล่งกักต่อน้ำ (เก็บตัวอย่างวันที่ 18 มิถุนายน 2568)

ชนิดแหล่งกักต่อน้ำ	ปริมาณแหล่งกักต่อน้ำ (หน่วยต่อลิตร)				
	2548310-1	2548310-2	2548310-3	2548310-4	2548310-5
Division Cyanophyta					
Class Cyanophyceae					
Order Chroococcales					
Family Chroococcaceae					
1. <i>Microcystis aeruginosa</i>	32	-	-	-	-
Order Nostocales					
Family Oscillatoriaceae					
2. <i>Lyngbya</i> sp.	-	-	-	14	-
3. <i>Oscillatoria anguina</i>	-	-	14	-	14
4. <i>Oscillatoria</i> sp.	96	26	27	14	14
Family Nostocaceae					
5. <i>Raphidiopsis</i> sp.	-	-	122	212	129

ตาราง ผลการวิเคราะห์แหล่งกักต่อน้ำ (เก็บตัวอย่างวันที่ 18 มิถุนายน 2568)

(ต่อ)

ชนิดแหล่งกักต่อน้ำ	ปริมาณแหล่งกักต่อน้ำ (หน่วยต่อลิตร)				
	2548310-1	2548310-2	2548310-3	2548310-4	2548310-5
Division Chlorophyta					
Class Chlorophyceae					
Order Volvocales					
Family Volvocaceae					
6. <i>Gonium sociale</i>	-	-	-	28	-
7. <i>Pandorina morum</i>	-	13	-	-	-
Order Chlorococcales					
Family Oocystaceae					
8. <i>Ankistrodesmus falcatus</i>	-	-	14	-	14
9. <i>Chlorella vulgaris</i>	-	-	-	14	-
10. <i>Dictyosphaerium pulchellum</i>	-	-	14	-	14
Family Scenedesmaceae					
11. <i>Scenedesmus arcuatus</i>	-	-	-	28	-
12. <i>Scenedesmus quadricauda</i>	-	-	14	-	-
Order Ulotrichales					
Family Ulotrichaceae					
13. <i>Geminella</i> sp.	-	52	-	-	-
14. <i>Ulothrix variabilis</i>	-	-	-	42	-
Order Zygomatales					
Family Zygnemataceae					
15. <i>Spirogyra weberi</i>	-	52	-	-	-
Family Desmidiaceae					
16. <i>Closterium acerosum</i>	64	-	-	-	-
17. <i>Closterium ehrenbergii</i>	304	13	-	-	-
18. <i>Closterium ralfsii</i>	16	-	-	-	-
19. <i>Cosmarium</i> sp.	-	-	14	-	-
20. <i>Desmidium swartzii</i>	-	105	-	-	-

ตาราง ผลการวิเคราะห์แฟลกก์ตอนพืช (เก็บตัวอย่างวันที่ 18 มิถุนายน 2568)
(ต่อ)

ชนิดแฟลกก์ตอนพืช	ปริมาณแฟลกก์ตอนพืช (หน่วยต่อลิตร)				
	2548310-1	2548310-2	2548310-3	2548310-4	2548310-5
21. <i>Xanthidium antilopaeum</i>	16	-	-	-	-
Class Euglenophyceae					
Order Euglenales					
Family Euglenaceae					
22. <i>Euglena acus</i>	48	-	14	-	-
23. <i>Euglena oxyuris</i>	16	13	-	-	-
24. <i>Euglena</i> sp.	16	-	-	14	-
25. <i>Euglena tripteris</i>	-	13	14	-	-
26. <i>Lepocinclis ovum</i>	-	118	-	-	-
27. <i>Phacus angulatus</i>	16	-	-	-	-
28. <i>Phacus hamatus</i>	-	13	-	-	-
29. <i>Phacus longicauda</i>	-	13	-	-	-
30. <i>Phacus platalea</i>	-	13	-	-	-
31. <i>Phacus</i> sp.	32	-	-	14	-
32. <i>Phacus tortus</i>	48	-	-	-	-
33. <i>Strombomonas fluviatilis</i>	-	-	-	-	14
34. <i>Strombomonas gibberosa</i>	-	-	-	-	14
35. <i>Trachelomonas crebea</i>	-	-	-	28	14
36. <i>Trachelomonas hispida</i>	160	26	14	-	-
37. <i>Trachelomonas rugulosa</i>	48	26	-	-	-
38. <i>Trachelomonas</i> sp.	80	66	27	42	-
39. <i>Trachelomonas superba</i>	48	39	-	-	-

ตาราง ผลการวิเคราะห์แฟลกก์ตอนพืช (เก็บตัวอย่างวันที่ 18 มิถุนายน 2568)
(ต่อ)

ชนิดแฟลกก์ตอนพืช	ปริมาณแฟลกก์ตอนพืช (หน่วยต่อลิตร)				
	2548310-1	2548310-2	2548310-3	2548310-4	2548310-5
Division Chromophyta					
Class Bacillariophyceae					
Order Biddulphiales					
Suborder Coscinodiscineae					
Family Aulacoseiraceae					
40. <i>Aulacoseira granulata</i>	-	-	-	71	43
Order Bacillariales					
Suborder Fragilariineae					
Family Fragilariaceae					
41. <i>Diatoma</i> sp.	96	13	-	-	-
42. <i>Diatoma vulgaris</i>	208	-	-	-	-
43. <i>Fragilaria capucina</i>	-	52	-	-	-
44. <i>Synedra acus</i>	-	-	-	14	14
Suborder Bacillariineae					
Family Eunotiaceae					
45. <i>Eunotia formica</i>	32	-	-	-	-
46. <i>Eunotia lineolata</i>	-	13	-	-	-
47. <i>Eunotia pectinalis</i>	96	13	-	-	-
48. <i>Eunotia</i> sp.	16	-	-	-	-
49. <i>Eunotia tenella</i>	64	-	-	-	-
Family Cymbellaceae					
50. <i>Gomphonema parvulum</i>	-	-	27	-	-
Family Naviculaceae					
51. <i>Pinnularia gibba</i>	16	-	-	14	-
Family Bacillariaceae					
52. <i>Nitzschia</i> sp.	32	26	-	14	-


ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 18 มิถุนายน 2568)

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลิตร)				
	2548310-1	2548310-2	2548310-3	2548310-4	2548310-5
Family Rhopalodiaceae					
53. <i>Epithemia argus</i>	-	-	27	-	-
Family Surirellaceae					
54. <i>Surirella linearis</i>	-	13	-	-	-
55. <i>Surirella</i> sp.	-	39	-	-	-
Class Dinophyceae					
Order Peridiniales					
Family Peridiniaceae					
56. <i>Peridinium</i> sp.	-	-	14	-	-
ชนิดแพลงก์ตอนพืช	24	23	14	15	10
ปริมาณแพลงก์ตอนพืช	1,600	770	356	563	284
ดัชนีความหลากหลายแพลงก์ตอนพืช	2.7808	2.8335	2.2947	2.1988	1.8313
ดัชนีความสม่ำเสมอแพลงก์ตอนพืช	0.8750	0.9037	0.8695	0.8119	0.7953

- Sample Location :**
- สถานี 2548310-1 : จุดที่ 1 : บริเวณคลองชุมพลเหนือจุดระบายน้ำทิ้งขึ้นไป 500 เมตร
 - สถานี 2548310-2 : จุดที่ 2 : บริเวณคลองชุมพล ณ จุดระบายน้ำทิ้ง (บริเวณฝายทดขยายศร)
 - สถานี 2548310-3 : จุดที่ 3 : บริเวณจุดบรรจบระหว่างคลองชุมพลกับแควหนุมาน
 - สถานี 2548310-4 : จุดที่ 4 : บริเวณแควหนุมานเหนือจุดบรรจบระหว่างคลองชุมพลกับแควหนุมานขึ้นไป 500 เมตร
 - สถานี 2548310-5 : จุดที่ 5 : บริเวณแควหนุมานท้ายจุดบรรจบระหว่างคลองชุมพลกับแควหนุมานลงไป 500 เมตร

Condition of Sample : contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)



(นางสาวกนกวรรณ ขวด่อน)

ผู้วิเคราะห์



(นายอลงกต อินทรชาติ)

หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา

101/12 หมู่ 9 ต. บางพระ

อ. ศรีราชา จ. ชลบุรี 20110

โทร./โทรสาร. (038) 311379

Client : Gulf NC Co., Ltd.

Address : 418 Moo 1 Nontree, Kabin Buri, Prachinburi, Thailand, 25110

Project Name : Monitoring EIA

Project Location : GNC

รายงานผลการวิเคราะห์แพลงก์ตอนสัตว์

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 18 มิถุนายน 2568)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลิตร)				
	2548310-1	2548310-2	2548310-3	2548310-4	2548310-5
Phylum Protozoa					
Subphylum Plasmodroma					
Class Sarcodina					
Subclass Rhizopoda					
Order Testacida					
Family Arcellidae					
1. <i>Arcella</i> sp.	16	-	-	-	-
2. <i>Arcella vulgaris</i>	-	13	27	14	-
Family Diffugiidae					
3. <i>Centropyxis aculeata</i>	16	-	-	-	-
4. <i>Diffugia</i> sp.	16	-	-	-	-

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 18 มิถุนายน 2568)
(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลิตร)				
	2548310-1	2548310-2	2548310-3	2548310-4	2548310-5
Subphylum Ciliophora					
Class Ciliata					
Subclass Spirotricha					
Order Tintinnida					
Family Codonellidae					
5. <i>Tintinnopsis</i> sp.	-	-	14	28	14
Phylum Rotifera					
Class Monogononta					
Order Ploima					
Family Lecanidae					
6. <i>Lecane stichaea</i>	-	13	14	14	-
Family Notommatidae					
7. <i>Cephalodella gibba</i>	-	13	-	-	-
Family Tricocercidae					
8. <i>Trichocerca pusilla</i>	-	-	-	-	43
Class Digononta					
Family Philodinidae					
9. <i>Rotaria</i> sp.	16	-	-	-	-
Phylum Arthropoda					
Class Crustacea					
Subclass Copepoda					
10. Copepod nauplius	80	26	14	14	14
Order Cyclopoida					
11. Cyclopoid copepod	32	-	-	-	-


ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 18 มิถุนายน 2568)
(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลิตร)				
	2548310-1	2548310-2	2548310-3	2548310-4	2548310-5
ชนิดแพลงก์ตอนสัตว์	6	4	4	4	3
ปริมาณแพลงก์ตอนสัตว์	176	65	69	70	71
ดัชนีความหลากหลายแพลงก์ตอนสัตว์	1.5403	1.3322	1.3380	1.3322	0.9440
ดัชนีความสม่ำเสมอแพลงก์ตอนสัตว์	0.8597	0.9610	0.9652	0.9610	0.8593

- Sample Location :
- สถานี 2548310-1 : จุดที่ 1 : บริเวณคลองชุมพลเหนือจุดระบายน้ำทั้งขึ้นไป 500 เมตร
 - สถานี 2548310-2 : จุดที่ 2 : บริเวณคลองชุมพล ณ จุดระบายน้ำทั้ง (บริเวณฝ่ายทศชายศร)
 - สถานี 2548310-3 : จุดที่ 3 : บริเวณจุดบรรจบระหว่างคลองชุมพลกับแควหนุมาน
 - สถานี 2548310-4 : จุดที่ 4 : บริเวณแควหนุมานเหนือจุดบรรจบระหว่างคลองชุมพลกับแควหนุมานขึ้นไป 500 เมตร
 - สถานี 2548310-5 : จุดที่ 5 : บริเวณแควหนุมานท้ายจุดบรรจบระหว่างคลองชุมพลกับแควหนุมานลงไป 500 เมตร

Condition of Sample : contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)


(นางสาวกนกวรรณ ขวาค่อน)
ผู้วิเคราะห์


(นายอลงกต อินทรชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา
101/12 หมู่ 9 ต. บางพระ
อ. ศรีราชา จ. ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : Gulf NC Co., Ltd.

Address : 418 Moo 1, Nontree, Kabin Buri, Prachinburi, Thailand, 25110

Project Name : Monitoring EIA

Project Location : GNC

รายงานผลการวิเคราะห์สัตว์หน้าดิน

ตาราง ผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างวันที่ 18 มิถุนายน 2568)

สกุลสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัวต่อตารางเมตร)				
	2548309-1	2548309-2	2548309-3	2548309-4	2548309-5
Phylum Annelida Class Clitellata Order Tubificida Family Naididae <i>Branchiura</i> sp. (ไส้เดือนน้ำ)	75	400	-	134	-
Phylum Arthropoda Class Insecta Order Diptera Family Chironomidae <i>Chironomus</i> sp. (หนอนแดง)	60	30	30	-	45
Phylum Mollusca Class Bivalvia Order Venerida Family Cyrenidae <i>Corbicula</i> sp. (หอยทราย)	-	30	-	-	-


ตาราง ผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างวันที่ 18 มิถุนายน 2568)


(ต่อ)

สกุลสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัวต่อตารางเมตร)				
	2548309-1	2548309-2	2548309-3	2548309-4	2548309-5
สกุลสัตว์หน้าดิน	2	3	1	1	1
ปริมาณสัตว์หน้าดิน	135	460	30	134	45
ค่าดัชนีความหลากหลายสัตว์หน้าดิน	0.6870	0.4776	0.0000	0.0000	0.0000

- Sample Location : 1. สถานี 2548309-1 : จุดที่ 1 : บริเวณคลองชุมพลเหนือจุดระบายน้ำทิ้งขึ้นไป 500 เมตร
2. สถานี 2548309-2 : จุดที่ 2 : บริเวณคลองชุมพล ณ จุดระบายน้ำทิ้ง
(บริเวณฝายทดขยายศร)
3. สถานี 2548309-3 : จุดที่ 3 : บริเวณจุดบรรจบระหว่างคลองชุมพลกับแควหนุมาน
4. สถานี 2548309-4 : จุดที่ 4 : บริเวณแควหนุมานเหนือจุดบรรจบระหว่างคลองชุมพลกับ
แควหนุมานขึ้นไป 500 เมตร
5. สถานี 2548309-5 : จุดที่ 5 : บริเวณแควหนุมานท้ายจุดบรรจบระหว่างคลองชุมพลกับ
แควหนุมานลงไป 500 เมตร

Condition of Sample : contained in one plastic zip bag


(นายอรรถวุฒิ กันทะวงศ์)
ผู้วิเคราะห์


(นายอลงกต อินทรชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา

ภาคผนวก ค-7

คุณภาพน้ำใต้ดิน



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2548308
Date Received : Jun 17, 2025
Date Reported : Jun 25, 2025
Report Number : 3344711-1

Page 1 of 1

Sample Number : 2548308-1
Sampled Date : Jun 17, 2025 12:40 PM
Sample Description : Ground water
Location : Down gradient well no.1
Date Analysis Commenced : Jun 17, 2025
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C	-	-	-	7.6	6.5-9.2 (I)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่ไม่เป็นบ่ออ้างอิงบนทิศทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์ของมาตรฐานคุณภาพน้ำบาดาลที่เขตรักษา 6.5-9.2

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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_All_GL_rpt (7:20PM)



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2548308
Date Received : Jun 17, 2025
Date Reported : Jun 25, 2025
Report Number : 3344711-2

Page 1 of 1

Sample Number : 2548308-1
Sampled Date : Jun 17, 2025 12:40 PM
Sample Description : Ground water
Location : Down gradient well no.1
Date Analysis Commenced : Jun 17, 2025
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Bx D (5 days at 20 Degree C)	mg/L	-	2.0	Q2.0	No Standard	Standard Methods for the Examination of & ater and & astewater. APHA, A& A F & E9, 24th ed., 2023, part 5210 B, part 4500 - x G	Rayong
Chlorite	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1kkk, EPA Method 300.1	Bangj oj
Dissolved x Wgen	mg/L	-	0.1	3.3	No Standard	Standard Methods for the Examination of & ater and & astewater. APHA, A& A F & E9, 24th ed., 2023, part 4500-x (G)	Rayong
x il F Grease	mg/L	-	3	Q3	No Standard	Standard Methods for the Examination of & ater and & astewater. APHA, A& A F & E9, 24th ed., 2023, part 5520 B	Rayong
Temperature	Degree C	-	-	32.6	No Standard	Standard Methods for the Examination of & ater and & astewater. APHA, A& A F & E9, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	344	No Standard	Standard Methods for the Examination of & ater and & astewater. APHA, A& A F & E9, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	25	No Standard	Standard Methods for the Examination of & ater and & astewater. APHA, A& A F & E9, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Ministry of Industry B.E. 255k (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampling By : Sansoen Khuiyoj sui , Pattarapol Sawang'aitam

Remark :
- Lx D : Limit of Detection
- <Q< : Lower than Lx O (Limit of Quantitation) / Lx R (Limit of Reporting)

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

Approved by

Photchana S.

Photchana Seeda
Scientist (4)

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2548308
Date Received : Jun 17, 2025
Date Reported : Jun 25, 2025
Report Number : 3344712-1

Page 1 of 1

Sample Number : 2548308-2
Sampled Date : Jun 17, 2025 12:20 PM
Sample Description : Ground water
Location : Down gradient well no.2
Date Analysis Commenced : Jun 17, 2025
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C	-	-	-	7.5	6.5-9.2 (I)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่เป็นบ่อน้ำดื่มบนที่สาธารณะหรือแหล่งน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์ของมาตรฐานคุณภาพน้ำบาดาลที่บริโภคคือ 6.5-9.2

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2548308
Date Received : Jun 17, 2025
Date Reported : Jun 25, 2025
Report Number : 3344712-2

Page 1 of 1

Sample Number : 2548308-2
Sampled Date : Jun 17, 2025 12:20 PM
Sample Description : Ground water
Location : Down gradient well no.2
Date Analysis Commenced : Jun 17, 2025
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Bx D (5 days at 20 Degree C)	mg/L	-	2.0	Q2.0	No Standard	Standard Methods for the Examination of & ater and & astewater. APHA, A& A F & E9, 24th ed., 2023, part 5210 B, part 4500 - x G	Rayong
Chlorite	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1kkk, EPA Method 300.1	Bangj oj
Dissolved x Wgen	mg/L	-	0.1	2.3	No Standard	Standard Methods for the Examination of & ater and & astewater. APHA, A& A F & E9, 24th ed., 2023, part 4500-x (G)	Rayong
x il F Grease	mg/L	-	3	Q3	No Standard	Standard Methods for the Examination of & ater and & astewater. APHA, A& A F & E9, 24th ed., 2023, part 5520 B	Rayong
Temperature	Degree C	-	-	32.5	No Standard	Standard Methods for the Examination of & ater and & astewater. APHA, A& A F & E9, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	360	No Standard	Standard Methods for the Examination of & ater and & astewater. APHA, A& A F & E9, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	Q5	No Standard	Standard Methods for the Examination of & ater and & astewater. APHA, A& A F & E9, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Ministry of Industry B.E. 255k (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampling By : Sansoen Khuiyoj sui , Pattarapol Sawang'aitam

Remark :
- Lx D : Limit of Detection
- <Q< : Lower than Lx O (Limit of Quantitation) / Lx R (Limit of Reporting)

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Approved by

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2548308
Date Received : Jun 17, 2025
Date Reported : Jun 25, 2025
Report Number : 3344713-1

Page 1 of 1

Sample Number : 2548308-3
Sampled Date : Jun 17, 2025 1:20 PM
Sample Description : Ground water
Location : (p gradient well)
Date Analysis Commenced : Jun 17, 2025
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards HAPUA, (SEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing pU at 25 degree C		-	-	7.4	6.5-9.2 H)	Standard Methods for the Examination of Water and Wastewater. APUA, AWWA & WEF, 24th ed., 2023, part 4500 - U H8)	Rayong

Guideline : Notification of the Ministry of Industry B.E. 2559 H2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

H): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่ใช้เป็นบ่ออ้างอิงบนทิศทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์ของโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่เขตรัฐคือ 6.5-9.2

Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Technical Management

Photchana S.

Photchana Seeda
Scientist H)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2548308
Date Received : Jun 17, 2025
Date Reported : Jun 25, 2025
Report Number : 3344713-2

Page 1 of 1

Sample Number : 2548308-3
Sampled Date : Jun 17, 2025 1:20 PM
Sample Description : Ground water
Location : (p gradient well)
Date Analysis Commenced : Jun 17, 2025
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards HAPUA, (SEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing Bx D H5 days at 20 Degree C)	mg/L	-	2.0	Q2.0	No Standard	Standard Methods for the Examination of & ater and & astewater. APUA, A& & A F & E9, 24th ed., 2023, part 5210 B, part 4500 - x G	Rayong
Chlorite	mg/L	0.05	0.1	Not Detected	No Standard	In-house method : STM 04-061 based on (nited States Environmental Protection Agency, 1kkk, EPA Method 300.1	Bangj oj
Dissolved x Wgen	mg/L	-	0.1	3.0	No Standard	Standard Methods for the Examination of & ater and & astewater. APUA, A& & A F & E9, 24th ed., 2023, part 4500-x H6)	Rayong
x il F Grease	mg/L	-	3	Q3	No Standard	Standard Methods for the Examination of & ater and & astewater. APUA, A& & A F & E9, 24th ed., 2023, part 5520 B	Rayong
Temperature	Degree C	-	-	35.5	No Standard	Standard Methods for the Examination of & ater and & astewater. APUA, A& & A F & E9, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1510	No Standard	Standard Methods for the Examination of & ater and & astewater. APUA, A& & A F & E9, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	Q5	No Standard	Standard Methods for the Examination of & ater and & astewater. APUA, A& & A F & E9, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Ministry of Industry B.E. 255k H2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampling By : Sansoen Khuiyoj sui , Pattarapol Sawang'aitam

Remark :
- Lx D : Limit of Detection
- <Q< : Lower than Lx O Hlimit of Quantitation) / Lx R Hlimit of Reporting)

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Photchana Seeda
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ภาคผนวก ค-8

ระดับเสียงในบริเวณการทำงาน



Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2511793

Date Received : Feb 07, 2025

Date Reported : Feb 14, 2025

Report Number: 3234939-1

Page 1 of 1

Sample Number	2511793-1
Parameter	Noise (Leq 8 hrs.)
Location	บริเวณ Cooling Tower
Measurement Date	Feb 06, 2025
Measurement by	Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:30 AM - 10:30 AM	82.6	87.7	82.5
10:30 AM - 11:30 AM	82.6	82.9	82.5
11:30 AM - 12:30 PM	82.5	82.9	82.4
12:30 PM - 01:30 PM	82.4	82.8	82.3
01:30 PM - 02:30 PM	82.4	83.1	82.3
02:30 PM - 03:30 PM	82.4	82.9	82.3
03:30 PM - 04:30 PM	82.4	83.1	82.3
04:30 PM - 05:30 PM	82.5	89.9	82.4

Leq Average 8 hrs. (dB(A))

82.5

Lmax (dB(A))

89.9

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2511793

Date Received : Feb 07, 2025

Date Reported : Feb 14, 2025

Report Number: 3234940-1

Page 1 of 1

Sample Number	2511793-2
Parameter	Noise (Leq 8 hrs.)
Location	บริเวณ Gas Compressor
Measurement Date	Feb 06, 2025
Measurement by	Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:30 AM - 10:30 AM	60.7	67.3	59.9
10:30 AM - 11:30 AM	60.2	64.0	59.4
11:30 AM - 12:30 PM	60.8	66.9	59.3
12:30 PM - 01:30 PM	63.0	65.1	62.0
01:30 PM - 02:30 PM	62.4	65.1	61.7
02:30 PM - 03:30 PM	62.5	64.4	61.9
03:30 PM - 04:30 PM	62.6	66.6	62.0
04:30 PM - 05:30 PM	63.0	65.2	62.5

Leq Average 8 hrs. (dB(A))

62.0

Lmax (dB(A))

67.3

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

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Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2511793

Date Received : Feb 07, 2025

Date Reported : Feb 14, 2025

Report Number: 3234941-1

Page 1 of 1

Sample Number 2511793-3
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Boiler Feed Pump
Measurement Date Feb 06, 2025
Measurement by Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:30 AM - 10:30 AM	79.3	80.0	79.0
10:30 AM - 11:30 AM	79.0	79.7	78.7
11:30 AM - 12:30 PM	81.0	85.0	78.7
12:30 PM - 01:30 PM	82.8	85.7	81.6
01:30 PM - 02:30 PM	81.8	82.5	81.6
02:30 PM - 03:30 PM	81.6	82.5	81.4
03:30 PM - 04:30 PM	81.6	82.6	81.4
04:30 PM - 05:30 PM	81.6	83.5	81.5

Leq Average 8 hrs. (dB(A))

81.2

Lmax (dB(A))

85.7

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2511793

Date Received : Feb 07, 2025

Date Reported : Feb 14, 2025

Report Number: 3234942-1

Page 1 of 1

Sample Number 2511793-4
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine Accessories system GT1
Measurement Date Feb 06, 2025
Measurement by Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:12 AM - 11:12 AM	78.9	97.7	78.0
11:12 AM - 12:12 PM	79.2	91.6	77.6
12:12 PM - 01:12 PM	83.3	94.7	77.4
01:12 PM - 02:12 PM	84.0	86.4	82.9
02:12 PM - 03:12 PM	83.1	90.9	82.5
03:12 PM - 04:12 PM	82.8	86.9	82.3
04:12 PM - 05:12 PM	82.7	83.7	82.4
05:12 PM - 06:12 PM	83.0	83.8	82.8

Leq Average 8 hrs. (dB(A))

82.5

Lmax (dB(A))

97.7

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย

ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management

Chontichak

Chonticha xubongkoch
Scientist (3)

Approved by

Supot S

Supot xalamteh
Section Head

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2511793

Date Received : Feb 07, 2025

Date Reported : Feb 14, 2025

Report Number: 3234943-1

Page 1 of 1

Sample Number 2511793-5
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine Accessories system GT2
Measurement Date Feb 06, 2025
Measurement by Chanon Booncheun

Time	Leq (dB(A))	LmaS (dB(A))	L90 (dB(A))
10:14 AM - 11:14 AM	81.5	85.4	81.1
11:14 AM - 12:14 PM	81.2	84.8	80.9
12:14 PM - 01:14 PM	81.2	84.1	80.8
01:14 PM - 02:14 PM	82.4	83.9	81.4
02:14 PM - 03:14 PM	82.4	83.6	82.1
03:14 PM - 04:14 PM	82.4	83.2	82.2
04:14 PM - 05:14 PM	82.8	84.1	82.3
05:14 PM - 06:14 PM	82.9	83.7	82.5

Leq Average 8 hrs. (dB(A))

82.1

LmaS (dB(A))

85.4

xstandard (dB(A))

90

140

Reference Method : IxO1996-1 and 1996-2

xstandard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย

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S:\Reports_Air Noise.rpt (1:21PM)



Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2511793

Date Received : Feb 07, 2025

Date Reported : Feb 14, 2025

Report Number: 3234944-1

Page 1 of 1

Sample Number 2511793-6
Parameter Noise (Leq 8 hrs.)
Location บริเวณ xteam Turbine Generator
Measurement Date Feb 06, 2025
Measurement by Chanon Booncheun

Time	Leq (dB(A))	LmaS (dB(A))	L90 (dB(A))
09:30 AM - 10:30 AM	74.9	76.2	74.6
10:30 AM - 11:30 AM	75.0	77.1	74.7
11:30 AM - 12:30 PM	75.5	77.1	74.9
12:30 PM - 01:30 PM	75.3	78.7	73.9
01:30 PM - 02:30 PM	73.9	79.9	73.5
02:30 PM - 03:30 PM	73.7	77.8	73.3
03:30 PM - 04:30 PM	73.7	79.4	73.3
04:30 PM - 05:30 PM	73.7	82.7	73.3

Leq Average 8 hrs. (dB(A))

74.5

LmaS (dB(A))

82.7

xstandard (dB(A))

90

140

Reference Method : IxO1996-1 and 1996-2

xstandard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2511793

Date Received : Feb 07, 2025

Date Reported : Feb 14, 2025

Report Number: 3234945-1

Page 1 of 1

Sample Number 2511793-7
Parameter Noise (Leq 8 hrs.)
Location บริเวณ xteam Turbine Lube Sil xOld
Measurement Date Feb 06, 2025
Measurement by Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:06 AM - 11:06 AM	73.5	77.9	73.3
11:06 AM - 12:06 PM	73.3	76.3	73.1
12:06 PM - 01:06 PM	73.2	75.1	72.9
01:06 PM - 02:06 PM	73.8	80.7	73.3
02:06 PM - 03:06 PM	73.5	79.6	73.2
03:06 PM - 04:06 PM	73.6	77.8	73.3
04:06 PM - 05:06 PM	73.7	79.8	73.4
05:06 PM - 06:06 PM	73.8	82.3	73.5

Leq Average 8 hrs. (dB(A))

73.6

Lmax (dB(A))

82.3

xstandard (dB(A))

90

140

Reference Method : IxS 1996-1 and 1996-2

xstandard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539579

Date Received : May 16, 2025

Date Reported : May 21, 2025

Report Number: 3311669-1

Page 1 of 1

Sample Number 2539579-1
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Cooling Tower
Measurement Date May 15, 2025
Measurement by Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:08 AM - 09:08 AM	83.0	88.6	82.9
09:08 AM - 10:08 AM	83.0	83.5	82.9
10:08 AM - 11:08 AM	83.0	83.4	82.9
11:08 AM - 12:08 PM	82.9	84.7	82.8
12:08 PM - 01:08 PM	82.9	83.3	82.8
01:08 PM - 02:08 PM	82.9	83.4	82.8
02:08 PM - 03:08 PM	83.0	83.5	82.9
03:08 PM - 04:08 PM	82.9	83.2	82.8

Leq Average 8 hrs. (dB(A))

83.0

Lmax (dB(A))

88.6

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539579

Date Received : May 16, 2025

Date Reported : May 21, 2025

Report Number: 3311690-1

Page 1 of 1

Sample Number	2537597-2
Parameter	Noise (Leq 8 hrs.)
Location	บริเวณ Gas Compressor
Measurement Date	May 15, 2025
Measurement by	Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 AM - 10:00 AM	93.2	84.3	92.6
10:00 AM - 11:00 AM	92.9	95.8	92.4
11:00 AM - 12:00 PM	92.5	95.8	92.2
12:00 PM - 01:00 PM	92.6	82.9	92.3
01:00 PM - 02:00 PM	92.7	98.2	92.6
02:00 PM - 03:00 PM	93.1	97.3	92.8
03:00 PM - 04:00 PM	93.3	80.3	93.0
04:00 PM - 05:00 PM	93.3	97.4	93.0

Leq Average 8 hrs. (dB(A))

93.0

Lmax (dB(A))

84.3

xstandard (dB(A))

70

140

Reference Method : IxS 1776-1 and 1776-2

xstandard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539579

Date Received : May 16, 2025

Date Reported : May 21, 2025

Report Number: 3311671-1

Page 1 of 1

Sample Number	2539579-3
Parameter	Noise (Leq 8 hrs.)
Location	บริเวณ Boiler Feed Pump
Measurement Date	May 15, 2025
Measurement by	Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:33 AM - 09:33 AM	82.6	86.2	82.4
09:33 AM - 10:33 AM	82.5	83.1	82.3
10:33 AM - 11:33 AM	81.7	82.8	81.2
11:33 AM - 12:33 PM	82.8	84.0	82.2
12:33 PM - 01:33 PM	82.0	83.5	81.6
01:33 PM - 02:33 PM	81.7	82.6	81.6
02:33 PM - 03:33 PM	82.1	82.8	82.0
03:33 PM - 04:33 PM	82.1	82.9	81.9

Leq Average 8 hrs. (dB(A))

82.2

Lmax (dB(A))

86.2

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539579

Date Received : May 16, 2025

Date Reported : May 21, 2025

Report Number: 3311692-1

Page 1 of 1

Sample Number 2537597-4
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine Accessories system GT1
Measurement Date May 15, 2025
Measurement by Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L70 (dB(A))
08:47 AM - 07:47 AM	83.3	84.4	83.0
07:47 AM - 10:47 AM	83.6	84.9	83.3
10:47 AM - 11:47 AM	83.2	84.3	82.7
11:47 AM - 12:47 PM	85.5	89.6	83.2
12:47 PM - 01:47 PM	83.8	86.3	82.6
01:47 PM - 02:47 PM	83.1	84.0	82.9
02:47 PM - 03:47 PM	83.0	83.7	82.9
03:47 PM - 04:47 PM	82.9	83.6	82.5

Leq Average 8 hrs. (dB(A))

83.6

Lmax (dB(A))

89.6

Wstandard (dB(A))

70

140

Reference Method : IWS 1776-1 and 1776-2

Wstandard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย

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P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539579

Date Received : May 16, 2025

Date Reported : May 21, 2025

Report Number: 3311693-1

Page 1 of 1

Sample Number 2537597-5
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Gas Turbine Accessories system GT2
Measurement Date May 15, 2025
Measurement by Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L70 (dB(A))
09:37 AM - 08:37 AM	83.2	75.0	82.8
08:37 AM - 07:37 AM	83.8	85.3	83.0
07:37 AM - 10:37 AM	83.5	85.3	82.7
10:37 AM - 11:37 AM	85.7	88.6	83.3
11:37 AM - 12:37 PM	84.7	89.4	82.2
12:37 PM - 01:37 PM	83.9	85.0	82.8
01:37 PM - 02:37 PM	83.1	84.5	82.6
02:37 PM - 03:37 PM	83.0	84.2	82.9

Leq Average 8 hrs. (dB(A))

84.0

Lmax (dB(A))

75.0

Wstandard (dB(A))

70

140

Reference Method : IWS 1776-1 and 1776-2

Wstandard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

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P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539579

Date Received : May 16, 2025

Date Reported : May 21, 2025

Report Number: 3311694-1

Page 1 of 1

Sample Number 2537597-6
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Steam Turbine Generator
Measurement Date May 15, 2025
Measurement by Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L70 (dB(A))
08:33 AM - 07:33 AM	94.3	77.7	93.6
07:33 AM - 10:33 AM	93.7	98.6	93.4
10:33 AM - 11:33 AM	94.0	98.7	93.4
11:33 AM - 12:33 PM	94.2	84.4	93.6
12:33 PM - 01:33 PM	94.0	80.6	93.4
01:33 PM - 02:33 PM	93.7	80.6	93.5
02:33 PM - 03:33 PM	93.8	80.9	93.4
03:33 PM - 04:33 PM	93.7	81.5	93.4

Leq Average 8 hrs. (dB(A))

94.0

Lmax (dB(A))

77.7

Standard (dB(A))

70

140

Reference Method : IwS 1776-1 and 1776-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย

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P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539579

Date Received : May 16, 2025

Date Reported : May 21, 2025

Report Number: 3311675-1

Page 1 of 1

Sample Number 2539579-7
Parameter Noise (Leq 8 hrs.)
Location บริเวณ Steam Turbine Lube Oil Skid
Measurement Date May 15, 2025
Measurement by Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:39 AM - 09:39 AM	61.6	73.0	60.9
09:39 AM - 10:39 AM	61.2	64.6	60.6
10:39 AM - 11:39 AM	61.7	65.4	60.6
11:39 AM - 12:39 PM	63.2	67.5	61.1
12:39 PM - 01:39 PM	62.6	66.8	61.3
01:39 PM - 02:39 PM	61.5	63.5	60.8
02:39 PM - 03:39 PM	61.4	63.8	60.8
03:39 PM - 04:39 PM	61.3	65.2	60.9

Leq Average 8 hrs. (dB(A))

61.9

Lmax (dB(A))

73.0

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย

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ระดับความร้อนในบริเวณการทำงาน



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2511799
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number: 3227844-1

Page 1 of 6

Sample Number 2511799-1
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date Feb 06, 2025
Measurement by Chanon Booncheun
Location ปรุขันธ์งาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Condenser Exhaust Unit	120	27.4	25.3	32.3	32.2
Average (WBGT)		27.4			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

Technical Management

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Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2511799
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number: 3227844-1

Page 2 of 6

Sample Number 2511799-2
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date Feb 06, 2025
Measurement by Chanon Booncheun
Location ปรุขันธ์งาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณท่อลำเลียงไอน้ำ	120	28.7	26.7	33.3	33.0
Average (WBGT)		28.7			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

Technical Management

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Supot Salamteh
Section Head

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2511799
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number: 3227844-1

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Sample Number 2511799-3
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date Feb 06, 2025
Measurement by Chanon Booncheun
Location ปรุขันธ์งาน 1 พื้นที่ (ข้อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Generator Area 11	120	28.6	26.6	33.2	33.0
Average (WBGT)		28.6			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
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P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2511799
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number: 3227844-1

Page 4 of 6

Sample Number 2511799-4
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date Feb 06, 2025
Measurement by Chanon Booncheun
Location ปรุขันธ์งาน 1 พื้นที่ (ข้อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Generator Area 12	120	28.3	26.0	33.5	33.5
Average (WBGT)		28.3			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
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Client : Gulf NC Co., Ltd.
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P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2511799
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number: 3227844-1

Page 5 of 6

Sample Number 2511799-5
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date Feb 06, 2025
Measurement by Chanon Booncheun
Location ปรุขันธ์งาน 1 พื้นที่ (ข้อ-นามสกุล ปรุขันธ์งาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Gas Turbine Area 11	120	28.6	26.6	33.2	33.0
Average (WBGT)		28.6			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

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P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2511799
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number: 3227844-1

Page 6 of 6

Sample Number 2511799-6
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date Feb 06, 2025
Measurement by Chanon Booncheun
Location ปรุขันธ์งาน 1 พื้นที่ (ข้อ-นามสกุล ปรุขันธ์งาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Gas Turbine Area 12	120	28.5	26.3	33.7	33.5
Average (WBGT)		28.5			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539585
Date Received : May 16, 2025
Date Reported : May 21, 2025
Report Number: 3292146-1

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Sample Number 2539585-1
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date May 15, 2025
Measurement by Chanon Booncheun
Location ปรุขันธ์งาน 1 พื้นที่ (ข้อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Condenser Exhaust Unit	120	29.7	27.4	35.2	35.2
Average (WBGT)		29.7			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

- Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
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P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539585
Date Received : May 16, 2025
Date Reported : May 21, 2025
Report Number: 3292146-1

Page 2 of 6

Sample Number 2539585-2
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date May 15, 2025
Measurement by Chanon Booncheun
Location ปรุขันธ์งาน 1 พื้นที่ (ข้อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณท่อลำเลียงไอน้ำ	120	31.1	28.4	37.3	37.2
Average (WBGT)		31.1			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

- Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
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P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539585
Date Received : May 16, 2025
Date Reported : May 21, 2025
Report Number: 3292146-1

Page 3 of 6

Sample Number 2539585-3
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date May 15, 2025
Measurement by Chanon Booncheun
Location ปรุขันธ์งาน 1 พื้นที่ (ข้อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Generator Area 11	120	31.4	28.7	37.6	37.6
Average (WBGT)		31.4			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
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P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539585
Date Received : May 16, 2025
Date Reported : May 21, 2025
Report Number: 3292146-1

Page 4 of 6

Sample Number 2539585-4
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date May 15, 2025
Measurement by Chanon Booncheun
Location ปรุขันธ์งาน 1 พื้นที่ (ข้อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Generator Area 12	120	30.8	28.8	37.3	32.1
Average (WBGT)		30.8			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
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Technical Management

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

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P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539585

Date Received : May 16, 2025

Date Reported : May 21, 2025

Report Number: 3292146-1

Page 5 of 6

Sample Number 2539585-5
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date May 15, 2025
Measurement by Chanon Booncheun
Location ปรุขันธ์งาน 1 พื้นที่ (ข้อ-นามสกุล ปรุขันธ์งาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Gas turbine Area 11	120	31.9	28.9	39.1	38.8
Average (WBGT)		31.9			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
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Client : Gulf NC Co., Ltd.

418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2539585

Date Received : May 16, 2025

Date Reported : May 21, 2025

Report Number: 3292146-1

Page 6 of 6

Sample Number 2539585-6
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date May 15, 2025
Measurement by Chanon Booncheun
Location ปรุขันธ์งาน 1 พื้นที่ (ข้อ-นามสกุล ปรุขันธ์งาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Gas turbine Area 12	120	31.5	28.8	37.9	37.9
Average (WBGT)		31.5			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

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ความเข้มแสงสว่างในบริเวณการทำงาน



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2511801 (1)

Date Received : Feb 07, 2025
Date Reported : Feb 20, 2025
Report Number: 2511801 (1)-1

Page 1 of 2

GNC											
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment	
						Spot	Average	Spot/Min	Average		
1	Area : Administration Building : Canteen and Pantry Kitchen	2511801 (1)-1	6-Feb-25	Day time	1	541	504	150	300	Pass	
		2511801 (1)-2	6-Feb-25	Day time	2	467					
2	Area : Administration Building : Women Toilets	2511801 (1)-3	6-Feb-25	Day time	1	524	472	50	100	Pass	
		2511801 (1)-4	6-Feb-25	Day time	2	439					
		2511801 (1)-5	6-Feb-25	Day time	3	499					
		2511801 (1)-6	6-Feb-25	Day time	4	531					
		2511801 (1)-7	6-Feb-25	Day time	5	377					
		2511801 (1)-8	6-Feb-25	Day time	6	461					
3	Area : Administration Building : Men Toilets	2511801 (1)-9	6-Feb-25	Day time	1	387	353	50	100	Pass	
		2511801 (1)-10	6-Feb-25	Day time	2	392					
		2511801 (1)-11	6-Feb-25	Day time	3	376					
		2511801 (1)-12	6-Feb-25	Day time	4	332					
		2511801 (1)-13	6-Feb-25	Day time	5	321					
		2511801 (1)-14	6-Feb-25	Day time	6	311					
4	Area : Administration Building : Walkway in Front of Reception	2511801 (1)-15	6-Feb-25	Day time	1	561	401	50	100	Pass	
		2511801 (1)-16	6-Feb-25	Day time	2	409					
		2511801 (1)-17	6-Feb-25	Day time	3	233					
5	Spot : Administration Building : Admin Office Table	2511801 (1)-18	6-Feb-25	Day time	1	422	-	400-500	-	Pass	
6	Spot : Administration Building : Purchasing Officer Table	2511801 (1)-19	6-Feb-25	Day time	1	649	-	400-500	-	Pass	
7	Spot : Administration Building : Admin Manager Table	2511801 (1)-20	6-Feb-25	Day time	1	449	-	400-500	-	Pass	
8	Spot : Administration Building : Photocopier	2511801 (1)-21	6-Feb-25	Day time	1	435	-	300-400	-	Pass	
9	Area : Administration Building : Master document Room	2511801 (1)-22	6-Feb-25	Day time	1	457	454	150	300	Pass	
		2511801 (1)-23	6-Feb-25	Day time	2	533					
		2511801 (1)-24	6-Feb-25	Day time	3	402					
		2511801 (1)-25	6-Feb-25	Day time	4	341					
		2511801 (1)-26	6-Feb-25	Day time	5	526					
		2511801 (1)-27	6-Feb-25	Day time	6	466					

Technical Management

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

Lot ID: 2511801 (1)

Date Received : Feb 07, 2025
Date Reported : Feb 20, 2025
Report Number: 2511801 (1)-1

Page 2 of 2

GNC											
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment	
						Spot	Average	Spot/Min	Average		
10	Area : Administration Building : Admin Walkway	2511801 (1)-28	6-Feb-25	Day time	1	1,125	1174	50	100	Pass	
		2511801 (1)-29	6-Feb-25	Day time	2	1,100					
		2511801 (1)-30	6-Feb-25	Day time	3	1,212					
		2511801 (1)-31	6-Feb-25	Day time	4	862					
		2511801 (1)-32	6-Feb-25	Day time	5	1,548					
		2511801 (1)-33	6-Feb-25	Day time	6	1,141					
		2511801 (1)-34	6-Feb-25	Day time	7	971					
		2511801 (1)-35	6-Feb-25	Day time	8	1,520					
		2511801 (1)-36	6-Feb-25	Day time	9	1,090					
11	Area : Administration Building : Meeting Room 2	2511801 (1)-37	6-Feb-25	Day time	1	498	414	150	300	Pass	
		2511801 (1)-38	6-Feb-25	Day time	2	316					
		2511801 (1)-39	6-Feb-25	Day time	3	322					
		2511801 (1)-40	6-Feb-25	Day time	4	552					
		2511801 (1)-41	6-Feb-25	Day time	5	464					
		2511801 (1)-42	6-Feb-25	Day time	6	329					
12	Spot : Administration Building : Plant Manager Table	2511801 (1)-43	6-Feb-25	Day time	1	435	-	400-500	-	Pass	
13	Spot : Administration Building : EHS Room Tabel 1	2511801 (1)-44	6-Feb-25	Day time	1	426	-	400-500	-	Pass	
14	Area : Administration Building : Meeting Room 1	2511801 (1)-45	6-Feb-25	Day time	1	327	403	150	300	Pass	
		2511801 (1)-46	6-Feb-25	Day time	2	482					
		2511801 (1)-47	6-Feb-25	Day time	3	432					
		2511801 (1)-48	6-Feb-25	Day time	4	411					
		2511801 (1)-49	6-Feb-25	Day time	5	359					
		2511801 (1)-50	6-Feb-25	Day time	6	361					
		2511801 (1)-51	6-Feb-25	Day time	7	406					
		2511801 (1)-52	6-Feb-25	Day time	8	411					
		2511801 (1)-53	6-Feb-25	Day time	9	422					
		2511801 (1)-54	6-Feb-25	Day time	10	489					
		2511801 (1)-55	6-Feb-25	Day time	11	360					
		2511801 (1)-56	6-Feb-25	Day time	12	372					

Measurement by : Chanon Booncheun

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot S.

Supot Salamteh
Section Head

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Assistant Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2511801 (2)

Date Received : Feb 07, 2025
Date Reported : Feb 20, 2025
Report Number: 2511801 (2)-1

Page 1 of 1

Lay out No.	Location	Reference Number	Date	Time	No.	GNC		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Spot : Control Building : 1st Floor : MCC Room หน้า 1	2511801 (2)-1	6-Feb-25	Night time	1	233	-	200-300	-	Pass
2	Spot : Control Building : 1st Floor : MCC Room หน้า 2	2511801 (2)-2	6-Feb-25	Night time	1	307	-	200-300	-	Pass
3	Spot : Control Building : 1st Floor : MCC Room หน้า 3	2511801 (2)-3	6-Feb-25	Night time	1	244	-	200-300	-	Pass
4	Spot : Control Building : 1st Floor : MCC Room หน้า 4	2511801 (2)-4	6-Feb-25	Night time	1	261	-	200-300	-	Pass
5	Spot : Control Building : 1st Floor : MCC Room หน้า 5	2511801 (2)-5	6-Feb-25	Night time	1	276	-	200-300	-	Pass
6	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.1	2511801 (2)-6	6-Feb-25	Day time	1	242	-	200-300	-	Pass
7	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.2	2511801 (2)-7	6-Feb-25	Day time	1	250	-	200-300	-	Pass
8	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.3	2511801 (2)-8	6-Feb-25	Day time	1	220	-	200-300	-	Pass
9	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.4	2511801 (2)-9	6-Feb-25	Day time	1	240	-	200-300	-	Pass
10	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.5	2511801 (2)-10	6-Feb-25	Day time	1	261	-	200-300	-	Pass
11	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.6	2511801 (2)-11	6-Feb-25	Day time	1	220	-	200-300	-	Pass
12	Area : Control Building : 1st Floor : Stairs	2511801 (2)-12	6-Feb-25	Night time	1	1,061	433	50	100	Pass
		2511801 (2)-13	6-Feb-25	Night time	2	101				
		2511801 (2)-14	6-Feb-25	Night time	3	136				

Measurement by : Chanon Booncheun

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2511801 (3)

Date Received : Feb 07, 2025
Date Reported : Feb 20, 2025
Report Number: 2511801 (3)-1

Page 1 of 1

Lay out No.	Location	Reference Number	Date	Time	No.	GNC		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
2	Area : Control Building : 1st Floor : Walkway	2511801 (3)-1	6-Feb-25	Night time	1	594	604	50	100	Pass
		2511801 (3)-2	6-Feb-25	Night time	2	577				
		2511801 (3)-3	6-Feb-25	Night time	3	649				
		2511801 (3)-4	6-Feb-25	Night time	4	653				
		2511801 (3)-5	6-Feb-25	Night time	5	611				
		2511801 (3)-6	6-Feb-25	Night time	6	542				

Measurement by : Chanon Booncheun

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

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418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2511801 (4)

Date Received : Feb 07, 2025
Date Reported : Feb 20, 2025
Report Number: 2511801 (4)-1

Page 1 of 3

GNC												
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment		
						Spot	Average	Spot/Min	Average			
1	Area : Control Building : 2nd Floor : Stairs	2511801 (4)-1	6-Feb-25	Night time	1	101	115	50	100	Pass		
		2511801 (4)-2	6-Feb-25	Night time	2	144						
		2511801 (4)-3	6-Feb-25	Night time	3	101						
2	Area : Control Building : 2nd Floor : Walkway	2511801 (4)-4	6-Feb-25	Day time	1	641	336	50	100	Pass		
		2511801 (4)-5	6-Feb-25	Day time	2	351						
		2511801 (4)-6	6-Feb-25	Day time	3	313						
		2511801 (4)-7	6-Feb-25	Day time	4	320						
		2511801 (4)-8	6-Feb-25	Day time	5	344						
		2511801 (4)-9	6-Feb-25	Day time	6	200						
		2511801 (4)-10	6-Feb-25	Day time	7	312						
		2511801 (4)-11	6-Feb-25	Day time	8	272						
		2511801 (4)-12	6-Feb-25	Day time	9	274						
		2511801 (4)-13	6-Feb-25	Night time	1	629	314	50	100	Pass		
		2511801 (4)-14	6-Feb-25	Night time	2	259						
		2511801 (4)-15	6-Feb-25	Night time	3	310						
		2511801 (4)-16	6-Feb-25	Night time	4	289						
		2511801 (4)-17	6-Feb-25	Night time	5	274						
		2511801 (4)-18	6-Feb-25	Night time	6	212						
		2511801 (4)-19	6-Feb-25	Night time	7	273						
		2511801 (4)-20	6-Feb-25	Night time	8	307						
		2511801 (4)-21	6-Feb-25	Night time	9	277						
		3	Area : Control Building : 2nd Floor : Men Toilets	2511801 (4)-22	6-Feb-25	Day time	1	151	207	50	100	Pass
				2511801 (4)-23	6-Feb-25	Day time	2	222				
				2511801 (4)-24	6-Feb-25	Day time	3	201				
2511801 (4)-25	6-Feb-25			Day time	4	218						
2511801 (4)-26	6-Feb-25			Day time	5	240						
2511801 (4)-27	6-Feb-25			Day time	6	212						
4	Area : Control Building : 2nd Floor : Women Toilets	2511801 (4)-28	6-Feb-25	Day time	1	166	163	50	100	Pass		
		2511801 (4)-29	6-Feb-25	Day time	2	175						
		2511801 (4)-30	6-Feb-25	Day time	3	149						
5	Area : Control Building : 2nd Floor : Canteen and Pantry Room	2511801 (4)-31	6-Feb-25	Day time	1	683	608	150	300	Pass		
		2511801 (4)-32	6-Feb-25	Day time	2	638						
		2511801 (4)-33	6-Feb-25	Day time	3	504						

Technical Management

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418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2511801 (4)

Date Received : Feb 07, 2025
Date Reported : Feb 20, 2025
Report Number: 2511801 (4)-1

Page 2 of 3

Lay out No.	Location	Reference Number	Date	Time	No.	GNC		Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average			
6	Spot : Control Building : 2nd Floor : Operation Manager Table	2511801 (4)-34	6-Feb-25	Day time	1	879	-	400-500	-	Pass		
		2511801 (4)-35	6-Feb-25	Night time	1	410	-	400-500	-	Pass		
7	Spot : Control Building : 2nd Floor : Control Room Desk 1	2511801 (4)-36	6-Feb-25	Night time	1	407	-	400-500	-	Pass		
8	Spot : Control Building : 2nd Floor : Control Room Desk 2	2511801 (4)-37	6-Feb-25	Night time	1	404	-	400-500	-	Pass		
9	Spot : Control Building : 2nd Floor : Control Room Desk 3	2511801 (4)-38	6-Feb-25	Night time	1	416	-	400-500	-	Pass		
10	Spot : Control Building : 2nd Floor : Control Room Desk 4	2511801 (4)-39	6-Feb-25	Night time	1	415	-	400-500	-	Pass		
11	Spot : Control Building : 2nd Floor : Control Room Desk 5	2511801 (4)-40	6-Feb-25	Night time	1	407	-	400-500	-	Pass		
12	Spot : Control Building : 2nd Floor : DSC Room Desk 1	2511801 (4)-41	6-Feb-25	Day time	1	476	-	400-500	-	Pass		
		2511801 (4)-42	6-Feb-25	Night time	1	407	-	400-500	-	Pass		
13	Spot : Control Building : 2nd Floor : Photocopier	2511801 (4)-43	6-Feb-25	Day time	1	416	-	300-400	-	Pass		
14	Spot : Control Building : 2nd Floor : Fax and Copy	2511801 (4)-44	6-Feb-25	Day time	1	513	-	300-400	-	Pass		
15	Spot : Control Building : 2nd Floor : Computer No.1	2511801 (4)-45	6-Feb-25	Day time	1	441	-	400-500	-	Pass		
16	Spot : Control Building : 2nd Floor : Computer No.2	2511801 (4)-46	6-Feb-25	Day time	1	414	-	400-500	-	Pass		
17	Spot : Control Building : 2nd Floor : โทรศัพท์ Operation Office 1	2511801 (4)-47	6-Feb-25	Night time	1	437	-	400-500	-	Pass		
18	Spot : Control Building : 2nd Floor : โทรศัพท์ Operation Office 2	2511801 (4)-48	6-Feb-25	Night time	1	537	-	400-500	-	Pass		
19	Spot : Control Building : 2nd Floor : CCTV Room Table	2511801 (4)-49	6-Feb-25	Day time	1	435	-	400-500	-	Pass		
20	Spot : Control Building : 2nd Floor : Control (Table No.1)	2511801 (4)-50	6-Feb-25	Day time	1	610	-	400-500	-	Pass		
21	Spot : Control Building : 2nd Floor : Control (Table No.2)	2511801 (4)-51	6-Feb-25	Day time	1	488	-	400-500	-	Pass		

Technical Management

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

Lot ID: 2511801 (4)

Date Received : Feb 07, 2025
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Report Number: 2511801 (4)-1

Page 3 of 3

GNC										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
22	Spot : Control Building : 2nd Floor : Computer Control No.1	2511801 (4)-52	6-Feb-25	Day time	1	412	-	400-500	-	Pass
23	Spot : Control Building : 2nd Floor : Computer Control No.2	2511801 (4)-53	6-Feb-25	Day time	1	456	-	400-500	-	Pass
24	Spot : Control Building : 2nd Floor : Computer Control No.3	2511801 (4)-54	6-Feb-25	Day time	1	504	-	400-500	-	Pass
25	Spot : Control Building : 2nd Floor : Computer Control No.4	2511801 (4)-55	6-Feb-25	Day time	1	563	-	400-500	-	Pass
26	Spot : Control Building : 2nd Floor : Computer Control No.5	2511801 (4)-56	6-Feb-25	Day time	1	421	-	400-500	-	Pass
27	Spot : Control Building : 2nd Floor : Computer Control No.6	2511801 (4)-57	6-Feb-25	Day time	1	402	-	400-500	-	Pass
28	Spot : Control Building : 2nd Floor : Computer Control No.7	2511801 (4)-58	6-Feb-25	Day time	1	411	-	400-500	-	Pass
29	Spot : Control Building : 2nd Floor : ตู้ควบคุม 3 (10MKA10GH001 Generator Control Panel)	2511801 (4)-59	6-Feb-25	Night time	1	225	-	200-300	-	Pass
30	Area : Control Building : 2nd Floor : ทางเดินภายในห้อง #1	2511801 (4)-60 2511801 (4)-61	6-Feb-25 6-Feb-25	Night time Night time	1 2	233 307	270	50	100	Pass
31	Area : Control Building : 2nd Floor : ทางเดินภายในห้อง #2	2511801 (4)-62 2511801 (4)-63	6-Feb-25 6-Feb-25	Night time Night time	1 2	244 261	252	50	100	Pass

Measurement by : Chanon Booncheun

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot S.
Supot Salamteh
Section Head

Approved by

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Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2511801 (5)

Date Received : Feb 07, 2025
Date Reported : Feb 20, 2025
Report Number: 2511801 (5)-1

Page 1 of 1

GNC										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Spot : Terminal & Switchyard Control Building : Terminal Control Room No.1	2511801 (5)-1	6-Feb-25	Day time	1	338	-	200-300	-	Pass
2	Spot : Terminal & Switchyard Control Building : Terminal Control Room No.2	2511801 (5)-2	6-Feb-25	Day time	1	546	-	200-300	-	Pass
3	Spot : Terminal & Switchyard Control Building : Battery Room No.1	2511801 (5)-3	6-Feb-25	Day time	1	203	-	200-300	-	Pass
4	Spot : Terminal & Switchyard Control Building : Switchgear Room No.1	2511801 (5)-4	6-Feb-25	Day time	1	203	-	200-300	-	Pass
5	Spot : Terminal & Switchyard Control Building : Switchgear Room No.2	2511801 (5)-5	6-Feb-25	Day time	1	231	-	200-300	-	Pass
6	Spot : Terminal & Switchyard Control Building : Switchyard Control Room No.1	2511801 (5)-6	6-Feb-25	Day time	1	480	-	200-300	-	Pass
7	Spot : Terminal & Switchyard Control Building : Switchyard Control Room No.2	2511801 (5)-7	6-Feb-25	Day time	1	691	-	200-300	-	Pass
8	Spot : Terminal & Switchyard Control Building : Battery Room No.2	2511801 (5)-8	6-Feb-25	Day time	1	308	-	200-300	-	Pass

Measurement by : Chanon Booncheun

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

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

Lot ID: 2511801 (6)

Date Received : Feb 07, 2025
Date Reported : Feb 20, 2025
Report Number: 2511801 (6)-1

Page 1 of 2

GNC										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Area : Warehouse and Workshop Building : 1st Floor : Reception Room	2511801 (6)-1	6-Feb-25	Day time	1	509	592	50	100	Pass
		2511801 (6)-2	6-Feb-25	Day time	2	455				
		2511801 (6)-3	6-Feb-25	Day time	3	951				
		2511801 (6)-4	6-Feb-25	Day time	4	277				
		2511801 (6)-5	6-Feb-25	Day time	5	728				
		2511801 (6)-6	6-Feb-25	Day time	6	611				
		2511801 (6)-7	6-Feb-25	Day time	7	546				
		2511801 (6)-8	6-Feb-25	Day time	8	726				
		2511801 (6)-9	6-Feb-25	Day time	9	522				
2	Area : Warehouse and Workshop Building : 1st Floor : Warehouse Canteen and Pantry	2511801 (6)-10	6-Feb-25	Day time	1	310	435	150	300	Pass
		2511801 (6)-11	6-Feb-25	Day time	2	594				
		2511801 (6)-12	6-Feb-25	Day time	3	400				
3	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.1	2511801 (6)-13	6-Feb-25	Day time	1	419	-	400-500	-	Pass
4	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.2	2511801 (6)-14	6-Feb-25	Day time	1	467	-	400-500	-	Pass
5	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.3	2511801 (6)-15	6-Feb-25	Day time	1	439	-	400-500	-	Pass
6	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.4	2511801 (6)-16	6-Feb-25	Day time	1	453	-	400-500	-	Pass
7	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.5	2511801 (6)-17	6-Feb-25	Day time	1	447	-	400-500	-	Pass
8	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.6	2511801 (6)-18	6-Feb-25	Day time	1	420	-	400-500	-	Pass
9	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.7	2511801 (6)-19	6-Feb-25	Day time	1	471	-	400-500	-	Pass
10	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.8	2511801 (6)-20	6-Feb-25	Day time	1	428	-	400-500	-	Pass

Technical Management

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

Lot ID: 2511801 (6)

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Report Number: 2511801 (6)-1

Page 2 of 2

GNC										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
11	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.9	2511801 (6)-21	6-Feb-25	Day time	1	416	-	400-500	-	Pass
12	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.10	2511801 (6)-22	6-Feb-25	Day time	1	486	-	400-500	-	Pass
13	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.11	2511801 (6)-23	6-Feb-25	Day time	1	509	-	400-500	-	Pass
14	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.12	2511801 (6)-24	6-Feb-25	Day time	1	467	-	400-500	-	Pass
15	Spot : Warehouse and Workshop Building : 1st Floor : Photocopier	2511801 (6)-25	6-Feb-25	Day time	1	612	-	300-400	-	Pass
16	Spot : Warehouse and Workshop Building : 1st Floor : Key Room	2511801 (6)-26	6-Feb-25	Day time	1	871	-	400-500	-	Pass
17	Area : Warehouse and Workshop Building : 1st Floor : Meeting Room	2511801 (6)-27	6-Feb-25	Day time	1	440	422	150	300	Pass
		2511801 (6)-28	6-Feb-25	Day time	2	227				
		2511801 (6)-29	6-Feb-25	Day time	3	360				
		2511801 (6)-30	6-Feb-25	Day time	4	387				
		2511801 (6)-31	6-Feb-25	Day time	5	627				
		2511801 (6)-32	6-Feb-25	Day time	6	293				
		2511801 (6)-33	6-Feb-25	Day time	7	297				
		2511801 (6)-34	6-Feb-25	Day time	8	747				

Measurement by : Chanon Booncheun

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot S.
Supot Salamteh
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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2511801 (7)

Date Received : Feb 07, 2025
Date Reported : Feb 20, 2025
Report Number: 2511801 (7)-1

Page 1 of 2

GNC											
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment	
						Spot	Average	Spot/Min	Average		
1	Area : Warehouse and Workshop Building : Ground Floor : Warehouse Room	2511801 (7)-1	6-Feb-25	Day time	1	589	729	100	200	Pass	
		2511801 (7)-2	6-Feb-25	Day time	2	533					
		2511801 (7)-3	6-Feb-25	Day time	3	415					
		2511801 (7)-4	6-Feb-25	Day time	4	466					
		2511801 (7)-5	6-Feb-25	Day time	5	1,517					
		2511801 (7)-6	6-Feb-25	Day time	6	912					
		2511801 (7)-7	6-Feb-25	Day time	7	632					
		2511801 (7)-8	6-Feb-25	Day time	8	611					
		2511801 (7)-9	6-Feb-25	Day time	9	764					
		2511801 (7)-10	6-Feb-25	Day time	10	769					
		2511801 (7)-11	6-Feb-25	Day time	11	747					
		2511801 (7)-12	6-Feb-25	Day time	12	753					
		2511801 (7)-13	6-Feb-25	Day time	13	753					
		2511801 (7)-14	6-Feb-25	Day time	14	766					
		2511801 (7)-15	6-Feb-25	Day time	15	735					
		2511801 (7)-16	6-Feb-25	Day time	16	758					
		2511801 (7)-17	6-Feb-25	Day time	17	777					
		2511801 (7)-18	6-Feb-25	Day time	18	622					
2	Area : Warehouse and Workshop Building : Ground Floor : Walkway	2511801 (7)-19	6-Feb-25	Day time	1	713	182	50	100	Pass	
		2511801 (7)-20	6-Feb-25	Day time	2	102					
		2511801 (7)-21	6-Feb-25	Day time	3	124					
		2511801 (7)-22	6-Feb-25	Day time	4	138					
		2511801 (7)-23	6-Feb-25	Day time	5	107					
		2511801 (7)-24	6-Feb-25	Day time	6	144					
		2511801 (7)-25	6-Feb-25	Day time	7	110					
		2511801 (7)-26	6-Feb-25	Day time	8	97					
		2511801 (7)-27	6-Feb-25	Day time	9	107					
3	Area : Warehouse and Workshop Building : Ground Floor : Electrical Room/Fitness Room	2511801 (7)-28	6-Feb-25	Day time	1	202	261	50	100	Pass	
		2511801 (7)-29	6-Feb-25	Day time	2	215					
		2511801 (7)-30	6-Feb-25	Day time	3	216					
		2511801 (7)-31	6-Feb-25	Day time	4	327					
		2511801 (7)-32	6-Feb-25	Day time	5	229					
		2511801 (7)-33	6-Feb-25	Day time	6	376					
4	Spot : Warehouse and Workshop Building : Ground Floor : C&I Cabinet	2511801 (7)-34	6-Feb-25	Day time	1	412	-	400-500	-	Pass	

Technical Management

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2511801 (7)

Date Received : Feb 07, 2025
Date Reported : Feb 20, 2025
Report Number: 2511801 (7)-1

Page 2 of 2

GNC											
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment	
						Spot	Average	Spot/Min	Average		
5	Spot : Warehouse and Workshop Building : Ground Floor : C&I Table	2511801 (7)-35	6-Feb-25	Day time	1	469	-	400-500	-	Pass	
6	Spot : Warehouse and Workshop Building : Ground Floor : Instrument and Control	2511801 (7)-36	6-Feb-25	Day time	1	477	-	400-500	-	Pass	
7	Spot : Warehouse and Workshop Building : Ground Floor : Mechanical and Electrical #1	2511801 (7)-37	6-Feb-25	Day time	1	702	-	400-500	-	Pass	
8	Spot : Warehouse and Workshop Building : Ground Floor : Mechanical and Electrical #2	2511801 (7)-38	6-Feb-25	Day time	1	916	-	400-500	-	Pass	
9	Spot : Warehouse and Workshop Building : Ground Floor : Mechanical and Electrical #3	2511801 (7)-39	6-Feb-25	Day time	1	931	-	400-500	-	Pass	
10	Spot : Warehouse and Workshop Building : Ground Floor : Mechanical and Electrical Workshop Room (Table No.3)	2511801 (7)-40	6-Feb-25	Day time	1	519	-	400-500	-	Pass	

Measurement by : Chanon Booncheun

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2511801 (8)

Date Received : Feb 07, 2025
Date Reported : Feb 20, 2025
Report Number: 2511801 (8)-1

Page 1 of 1

Lay out No.	Location	Reference Number	Date	Time	No.	GNC		Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average			
1	Spot : Water Treatment Control Building : Laboratory (หม้อ Hood)	2511801 (8)-1	6-Feb-25	Night time	1	813	-	300-400	-			Pass
2	Spot : Water Treatment Control Building : Laboratory (หม้อ Spectrophotometer)	2511801 (8)-2	6-Feb-25	Night time	1	871	-	400-500	-			Pass
3	Spot : Water Treatment Control Building : Laboratory (หม้อวัด pH)	2511801 (8)-3	6-Feb-25	Night time	1	629	-	400-500	-			Pass
4	Area : Water Treatment Control Building : ทางเดินหม้อห้อง Laboratory	2511801 (8)-4	6-Feb-25	Night time	1	83	68	25	50			Pass
		2511801 (8)-5	6-Feb-25	Night time	2	88						
		2511801 (8)-6	6-Feb-25	Night time	3	52						
		2511801 (8)-7	6-Feb-25	Night time	4	60						
		2511801 (8)-8	6-Feb-25	Night time	5	65						
		2511801 (8)-9	6-Feb-25	Night time	6	59						
		2511801 (8)-10	6-Feb-25	Night time	7	76						
		2511801 (8)-11	6-Feb-25	Night time	8	67						
		2511801 (8)-12	6-Feb-25	Night time	9	66						

Measurement by : Chanon Booncheun

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

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Analysis / Test Report

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

Lot ID: 2539588 (1)

Date Received : May 17, 2025
Date Reported : May 21, 2025
Report Number: 2539588 (1)-1

Page 1 of 2

Lay out No.	Location	Reference Number	Date	Time	No.	GNC		Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average			
1	Area : Administration Building : Canteen and Pantry Kitchen	2539588 (1)-1 2539588 (1)-2	15-May-25	Day time	1 2	418 411	414	150	300			Pass
2	Area : Administration Building : Women Toilets	2539588 (1)-3	15-May-25	Day time	1	532	433	50	100			Pass
		2539588 (1)-4	15-May-25	Day time	2	412						
		2539588 (1)-5	15-May-25	Day time	3	384						
		2539588 (1)-6	15-May-25	Day time	4	438						
		2539588 (1)-7	15-May-25	Day time	5	411						
		2539588 (1)-8	15-May-25	Day time	6	420						
3	Area : Administration Building : Men Toilets	2539588 (1)-9	15-May-25	Day time	1	250	333	50	100			Pass
		2539588 (1)-10	15-May-25	Day time	2	360						
		2539588 (1)-11	15-May-25	Day time	3	343						
		2539588 (1)-12	15-May-25	Day time	4	404						
		2539588 (1)-13	15-May-25	Day time	5	331						
		2539588 (1)-14	15-May-25	Day time	6	310						
4	Area : Administration Building : Walkway in Front of Reception	2539588 (1)-15	15-May-25	Day time	1	316	182	50	100			Pass
		2539588 (1)-16	15-May-25	Day time	2	110						
		2539588 (1)-17	15-May-25	Day time	3	119						
5	Spot : Administration Building : Admin Office Table	2539588 (1)-18	15-May-25	Day time	1	431	-	400-500	-			Pass
6	Spot : Administration Building : Purchasing Officer Table	2539588 (1)-19	15-May-25	Day time	1	401	-	400-500	-			Pass
7	Spot : Administration Building : Admin Manager Table	2539588 (1)-20	15-May-25	Day time	1	411	-	400-500	-			Pass
8	Spot : Administration Building : Photocopier	2539588 (1)-21	15-May-25	Day time	1	312	-	300-400	-			Pass
9	Area : Administration Building : Master document Room	2539588 (1)-22	15-May-25	Day time	1	480	455	150	300			Pass
		2539588 (1)-23	15-May-25	Day time	2	590						
		2539588 (1)-24	15-May-25	Day time	3	348						
		2539588 (1)-25	15-May-25	Day time	4	508						
		2539588 (1)-26	15-May-25	Day time	5	439						
		2539588 (1)-27	15-May-25	Day time	6	367						

Technical Management

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

Lot ID: 2539588 (1)

Date Received : May 17, 2025
Date Reported : May 21, 2025
Report Number: 2539588 (1)-1

Page 2 of 2

GNC										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
10	Area : Administration Building : Admin Walkway	2539588 (1)-28	15-May-25	Day time	1	913	354	50	100	Pass
		2539588 (1)-29	15-May-25	Day time	2	121				
		2539588 (1)-30	15-May-25	Day time	3	567				
		2539588 (1)-31	15-May-25	Day time	4	664				
		2539588 (1)-32	15-May-25	Day time	5	334				
		2539588 (1)-33	15-May-25	Day time	6	312				
		2539588 (1)-34	15-May-25	Day time	7	124				
		2539588 (1)-35	15-May-25	Day time	8	97				
		2539588 (1)-36	15-May-25	Day time	9	57				
11	Area : Administration Building : Meeting Room 2	2539588 (1)-37	15-May-25	Day time	1	331	381	150	300	Pass
		2539588 (1)-38	15-May-25	Day time	2	311				
		2539588 (1)-39	15-May-25	Day time	3	335				
		2539588 (1)-40	15-May-25	Day time	4	461				
		2539588 (1)-41	15-May-25	Day time	5	411				
		2539588 (1)-42	15-May-25	Day time	6	436				
12	Spot : Administration Building : Plant Manager Table	2539588 (1)-43	15-May-25	Day time	1	427	-	400-500	-	Pass
13	Spot : Administration Building : EHS Room Tabel 1	2539588 (1)-44	15-May-25	Day time	1	503	-	400-500	-	Pass
14	Area : Administration Building : Meeting Room 1	2539588 (1)-45	15-May-25	Day time	1	351	426	150	300	Pass
		2539588 (1)-46	15-May-25	Day time	2	519				
		2539588 (1)-47	15-May-25	Day time	3	404				
		2539588 (1)-48	15-May-25	Day time	4	331				
		2539588 (1)-49	15-May-25	Day time	5	409				
		2539588 (1)-50	15-May-25	Day time	6	344				
		2539588 (1)-51	15-May-25	Day time	7	532				
		2539588 (1)-52	15-May-25	Day time	8	311				
		2539588 (1)-53	15-May-25	Day time	9	455				
		2539588 (1)-54	15-May-25	Day time	10	430				
		2539588 (1)-55	15-May-25	Day time	11	483				
		2539588 (1)-56	15-May-25	Day time	12	546				

Measurement by : Chanon Booncheun

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539588 (2)

Date Received : May 17, 2025
Date Reported : May 21, 2025
Report Number: 2539588 (2)-1

Page 1 of 1

GNC										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Spot : Control Building : 1st Floor : MCC Room ผนัง 1	2539588 (2)-1	15-May-25	Night time	1	242	-	200-300	-	Pass
2	Spot : Control Building : 1st Floor : MCC Room ผนัง 2	2539588 (2)-2	15-May-25	Night time	1	250	-	200-300	-	Pass
3	Spot : Control Building : 1st Floor : MCC Room ผนัง 3	2539588 (2)-3	15-May-25	Night time	1	232	-	200-300	-	Pass
4	Spot : Control Building : 1st Floor : MCC Room ผนัง 4	2539588 (2)-4	15-May-25	Night time	1	200	-	200-300	-	Pass
5	Spot : Control Building : 1st Floor : MCC Room ผนัง 5	2539588 (2)-5	15-May-25	Night time	1	211	-	200-300	-	Pass
6	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.1	2539588 (2)-6	15-May-25	Day time	1	207	-	200-300	-	Pass
7	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.2	2539588 (2)-7	15-May-25	Day time	1	211	-	200-300	-	Pass
8	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.3	2539588 (2)-8	15-May-25	Day time	1	226	-	200-300	-	Pass
9	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.4	2539588 (2)-9	15-May-25	Day time	1	207	-	200-300	-	Pass
10	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.5	2539588 (2)-10	15-May-25	Day time	1	212	-	200-300	-	Pass
11	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.6	2539588 (2)-11	15-May-25	Day time	1	213	-	200-300	-	Pass
12	Area : Control Building : 1st Floor : Stairs	2539588 (2)-12	15-May-25	Night time	1	678	574	50	100	Pass
		2539588 (2)-13	15-May-25	Night time	2	712				
		2539588 (2)-14	15-May-25	Night time	3	332				

Measurement by : Chanon Booncheun

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539588 (3)

Date Received : May 17, 2025
Date Reported : May 21, 2025
Report Number: 2539588 (3)-1

Page 1 of 1

Lay out No.	Location	Reference Number	Date	Time	No.	GNC		Guideline Limit		Comment
						Illuminance (Lux)	Average	Spot/Min	Average	
2	Area : Control Building : 1st Floor : Walkway	2539588 (3)-1	15-May-25	Night time	1	92	116	50	100	Pass
		2539588 (3)-2	15-May-25	Night time	2	163				
		2539588 (3)-3	15-May-25	Night time	3	157				
		2539588 (3)-4	15-May-25	Night time	4	96				
		2539588 (3)-5	15-May-25	Night time	5	87				
		2539588 (3)-6	15-May-25	Night time	6	102				

Measurement by : Chanon Booncheun

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

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418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539588 (4)

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Date Reported : May 21, 2025
Report Number: 2539588 (4)-1

Page 1 of 3

Lay out No.	Location	Reference Number	Date	Time	No.	GNC		Guideline Limit		Comment
						Illuminance (Lux)	Average	Spot/Min	Average	
1	Area : Control Building : 2nd Floor : Stairs	2539588 (4)-1	15-May-25	Night time	1	107	104	50	100	Pass
		2539588 (4)-2	15-May-25	Night time	2	105				
		2539588 (4)-3	15-May-25	Night time	3	99				
2	Area : Control Building : 2nd Floor : Walkway	2539588 (4)-4	15-May-25	Day time	1	515	229	50	100	Pass
		2539588 (4)-5	15-May-25	Day time	2	126				
		2539588 (4)-6	15-May-25	Day time	3	267				
		2539588 (4)-7	15-May-25	Day time	4	247				
		2539588 (4)-8	15-May-25	Day time	5	256				
		2539588 (4)-9	15-May-25	Day time	6	101				
		2539588 (4)-10	15-May-25	Day time	7	102				
		2539588 (4)-11	15-May-25	Day time	8	323				
		2539588 (4)-12	15-May-25	Day time	9	120				
		2539588 (4)-13	15-May-25	Night time	1	568	238	50	100	Pass
		2539588 (4)-14	15-May-25	Night time	2	180				
		2539588 (4)-15	15-May-25	Night time	3	358				
		2539588 (4)-16	15-May-25	Night time	4	250				
		2539588 (4)-17	15-May-25	Night time	5	195				
		2539588 (4)-18	15-May-25	Night time	6	142				
		2539588 (4)-19	15-May-25	Night time	7	308				
		2539588 (4)-20	15-May-25	Night time	8	78				
		2539588 (4)-21	15-May-25	Night time	9	65				
3	Area : Control Building : 2nd Floor : Men Toilets	2539588 (4)-22	15-May-25	Day time	1	206	246	50	100	Pass
		2539588 (4)-23	15-May-25	Day time	2	237				
		2539588 (4)-24	15-May-25	Day time	3	139				
		2539588 (4)-25	15-May-25	Day time	4	286				
		2539588 (4)-26	15-May-25	Day time	5	293				
		2539588 (4)-27	15-May-25	Day time	6	317				
4	Area : Control Building : 2nd Floor : Women Toilets	2539588 (4)-28	15-May-25	Day time	1	145	180	50	100	Pass
		2539588 (4)-29	15-May-25	Day time	2	208				
		2539588 (4)-30	15-May-25	Day time	3	186				
5	Area : Control Building : 2nd Floor : Canteen and Pantry Room	2539588 (4)-31	15-May-25	Day time	1	793	706	150	300	Pass
		2539588 (4)-32	15-May-25	Day time	2	982				
		2539588 (4)-33	15-May-25	Day time	3	344				

Technical Management

Supot S.
Supot Salamteh
Section Head

Approved by

Wichan Choonharat
Wichan Choonharat
Assistant Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539588 (4)

Date Received : May 17, 2025
Date Reported : May 21, 2025
Report Number: 2539588 (4)-1

Page 2 of 3

Lay out No.	Location	Reference Number	Date	Time	No.	GNC		Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	Spot/Min	Average	
6	Spot : Control Building : 2nd Floor : Operation Manager Table	2539588 (4)-34	15-May-25	Day time	1	944	-	400-500	-	-	-	Pass
		2539588 (4)-35	15-May-25	Night time	1	416	-	400-500	-	-	-	Pass
7	Spot : Control Building : 2nd Floor : Control Room Desk 1	2539588 (4)-36	15-May-25	Night time	1	401	-	400-500	-	-	-	Pass
8	Spot : Control Building : 2nd Floor : Control Room Desk 2	2539588 (4)-37	15-May-25	Night time	1	402	-	400-500	-	-	-	Pass
9	Spot : Control Building : 2nd Floor : Control Room Desk 3	2539588 (4)-38	15-May-25	Night time	1	401	-	400-500	-	-	-	Pass
10	Spot : Control Building : 2nd Floor : Control Room Desk 4	2539588 (4)-39	15-May-25	Night time	1	401	-	400-500	-	-	-	Pass
11	Spot : Control Building : 2nd Floor : Control Room Desk 5	2539588 (4)-40	15-May-25	Night time	1	402	-	400-500	-	-	-	Pass
		2539588 (4)-41	15-May-25	Day time	1	404	-	400-500	-	-	-	Pass
12	Spot : Control Building : 2nd Floor : DSC Room Desk 1	2539588 (4)-42	15-May-25	Night time	1	401	-	400-500	-	-	-	Pass
		2539588 (4)-43	15-May-25	Day time	1	411	-	300-400	-	-	-	Pass
14	Spot : Control Building : 2nd Floor : Fax and Copy	2539588 (4)-44	15-May-25	Day time	1	460	-	300-400	-	-	-	Pass
15	Spot : Control Building : 2nd Floor : Computer No.1	2539588 (4)-45	15-May-25	Day time	1	520	-	400-500	-	-	-	Pass
16	Spot : Control Building : 2nd Floor : Computer No.2	2539588 (4)-46	15-May-25	Day time	1	535	-	400-500	-	-	-	Pass
17	Spot : Control Building : 2nd Floor : โต๊ะทำงาน Operation Office 1	2539588 (4)-47	15-May-25	Night time	1	407	-	400-500	-	-	-	Pass
18	Spot : Control Building : 2nd Floor : โต๊ะทำงาน Operation Office 2	2539588 (4)-48	15-May-25	Night time	1	406	-	400-500	-	-	-	Pass
19	Spot : Control Building : 2nd Floor : CCTV Room Table	2539588 (4)-49	15-May-25	Day time	1	470	-	400-500	-	-	-	Pass
20	Spot : Control Building : 2nd Floor : Control (Table No.1)	2539588 (4)-50	15-May-25	Day time	1	460	-	400-500	-	-	-	Pass
21	Spot : Control Building : 2nd Floor : Control (Table No.2)	2539588 (4)-51	15-May-25	Day time	1	432	-	400-500	-	-	-	Pass

Technical Management

Supot S.

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Analysis / Test Report

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

Lot ID: 2539588 (4)

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Lay out No.	Location	Reference Number	Date	Time	No.	GNC		Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	Spot/Min	Average	
22	Spot : Control Building : 2nd Floor : Computer Control No.1	2539588 (4)-52	15-May-25	Day time	1	411	-	400-500	-	-	-	Pass
23	Spot : Control Building : 2nd Floor : Computer Control No.2	2539588 (4)-53	15-May-25	Day time	1	410	-	400-500	-	-	-	Pass
24	Spot : Control Building : 2nd Floor : Computer Control No.3	2539588 (4)-54	15-May-25	Day time	1	523	-	400-500	-	-	-	Pass
25	Spot : Control Building : 2nd Floor : Computer Control No.4	2539588 (4)-55	15-May-25	Day time	1	406	-	400-500	-	-	-	Pass
26	Spot : Control Building : 2nd Floor : Computer Control No.5	2539588 (4)-56	15-May-25	Day time	1	410	-	400-500	-	-	-	Pass
27	Spot : Control Building : 2nd Floor : Computer Control No.6	2539588 (4)-57	15-May-25	Day time	1	404	-	400-500	-	-	-	Pass
28	Spot : Control Building : 2nd Floor : Computer Control No.7	2539588 (4)-58	15-May-25	Day time	1	417	-	400-500	-	-	-	Pass
29	Spot : Control Building : 2nd Floor : ตู้ควบคุม #3 (10MKA10GH001 Generator Control Panel)	2539588 (4)-59	15-May-25	Night time	1	231	-	200-300	-	-	-	Pass
30	Area : Control Building : 2nd Floor : ทางเดินภายในห้อง #1	2539588 (4)-60	15-May-25	Night time	1	164	192	50	100	-	-	Pass
		2539588 (4)-61	15-May-25	Night time	2	221	-	-	-	-	-	
31	Area : Control Building : 2nd Floor : ทางเดินภายในห้อง #2	2539588 (4)-62	15-May-25	Night time	1	84	104	50	100	-	-	Pass
		2539588 (4)-63	15-May-25	Night time	2	123	-	-	-	-	-	

Measurement by : Chanon Booncheun

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot S.

Supot Salamteh
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Assistant Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539588 (5)

Date Received : May 17, 2025
Date Reported : May 21, 2025
Report Number: 2539588 (5)-1

Page 1 of 1

GNC										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Spot : Terminal & Switchyard Control Building : Terminal Control Room No.1	2539588 (5)-1	15-May-25	Day time	1	419	-	200-300	-	Pass
2	Spot : Terminal & Switchyard Control Building : Terminal Control Room No.2	2539588 (5)-2	15-May-25	Day time	1	424	-	200-300	-	Pass
3	Spot : Terminal & Switchyard Control Building : Battery Room No.1	2539588 (5)-3	15-May-25	Day time	1	236	-	200-300	-	Pass
4	Spot : Terminal & Switchyard Control Building : Switchgear Room No.1	2539588 (5)-4	15-May-25	Day time	1	261	-	200-300	-	Pass
5	Spot : Terminal & Switchyard Control Building : Switchgear Room No.2	2539588 (5)-5	15-May-25	Day time	1	231	-	200-300	-	Pass
6	Spot : Terminal & Switchyard Control Building : Switchyard Control Room No.1	2539588 (5)-6	15-May-25	Day time	1	418	-	200-300	-	Pass
7	Spot : Terminal & Switchyard Control Building : Switchyard Control Room No.2	2539588 (5)-7	15-May-25	Day time	1	559	-	200-300	-	Pass
8	Spot : Terminal & Switchyard Control Building : Battery Room No.2	2539588 (5)-8	15-May-25	Day time	1	231	-	200-300	-	Pass

Measurement by : Chanon Booncheun

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

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

Lot ID: 2539588 (6)

Date Received : May 17, 2025
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Report Number: 2539588 (6)-1

Page 1 of 2

GNC										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Area : Warehouse and Workshop Building : 1st Floor : Reception Room	2539588 (6)-1	15-May-25	Day time	1	311	240	50	100	Pass
		2539588 (6)-2	15-May-25	Day time	2	120				
		2539588 (6)-3	15-May-25	Day time	3	141				
		2539588 (6)-4	15-May-25	Day time	4	101				
		2539588 (6)-5	15-May-25	Day time	5	532				
		2539588 (6)-6	15-May-25	Day time	6	201				
		2539588 (6)-7	15-May-25	Day time	7	210				
		2539588 (6)-8	15-May-25	Day time	8	311				
		2539588 (6)-9	15-May-25	Day time	9	230				
2	Area : Warehouse and Workshop Building : 1st Floor : Warehouse Canteen and Pantry	2539588 (6)-10	15-May-25	Day time	1	257	383	150	300	Pass
		2539588 (6)-11	15-May-25	Day time	2	593				
		2539588 (6)-12	15-May-25	Day time	3	300				
3	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.1	2539588 (6)-13	15-May-25	Day time	1	404	-	400-500	-	Pass
4	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.2	2539588 (6)-14	15-May-25	Day time	1	412	-	400-500	-	Pass
5	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.3	2539588 (6)-15	15-May-25	Day time	1	408	-	400-500	-	Pass
6	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.4	2539588 (6)-16	15-May-25	Day time	1	401	-	400-500	-	Pass
7	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.5	2539588 (6)-17	15-May-25	Day time	1	438	-	400-500	-	Pass
8	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.6	2539588 (6)-18	15-May-25	Day time	1	469	-	400-500	-	Pass
9	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.7	2539588 (6)-19	15-May-25	Day time	1	411	-	400-500	-	Pass
10	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.8	2539588 (6)-20	15-May-25	Day time	1	407	-	400-500	-	Pass

Technical Management

Supot S
Supot Salamteh
Section Head

Approved by

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Wichan Choonharat
Assistant Manager

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

Lot ID: 2539588 (6)

Date Received : May 17, 2025
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Report Number: 2539588 (6)-1

Page 2 of 2

GNC										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
11	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.9	2539588 (6)-21	15-May-25	Day time	1	404	-	400-500	-	Pass
12	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.10	2539588 (6)-22	15-May-25	Day time	1	496	-	400-500	-	Pass
13	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.11	2539588 (6)-23	15-May-25	Day time	1	415	-	400-500	-	Pass
14	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.12	2539588 (6)-24	15-May-25	Day time	1	404	-	400-500	-	Pass
15	Spot : Warehouse and Workshop Building : 1st Floor : Photocopier	2539588 (6)-25	15-May-25	Day time	1	670	-	300-400	-	Pass
16	Spot : Warehouse and Workshop Building : 1st Floor : Key Room	2539588 (6)-26	15-May-25	Day time	1	435	-	400-500	-	Pass
17	Area : Warehouse and Workshop Building : 1st Floor : Meeting Room	2539588 (6)-27	15-May-25	Day time	1	304	493	150	300	Pass
		2539588 (6)-28	15-May-25	Day time	2	234				
		2539588 (6)-29	15-May-25	Day time	3	301				
		2539588 (6)-30	15-May-25	Day time	4	303				
		2539588 (6)-31	15-May-25	Day time	5	363				
		2539588 (6)-32	15-May-25	Day time	6	532				
		2539588 (6)-33	15-May-25	Day time	7	746				
		2539588 (6)-34	15-May-25	Day time	8	1,160				

Measurement by : Chanon Booncheun

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supt S

Supt Salamteh
Section Head

Approved by

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539588 (7)

Date Received : May 17, 2025
Date Reported : May 21, 2025
Report Number: 2539588 (7)-1

Page 1 of 2

GNC										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Area : Warehouse and Workshop Building : Ground Floor : Warehouse Room	2539588 (7)-1	15-May-25	Day time	1	526	951	100	200	Pass
		2539588 (7)-2	15-May-25	Day time	2	863				
		2539588 (7)-3	15-May-25	Day time	3	777				
		2539588 (7)-4	15-May-25	Day time	4	791				
		2539588 (7)-5	15-May-25	Day time	5	1,042				
		2539588 (7)-6	15-May-25	Day time	6	1,055				
		2539588 (7)-7	15-May-25	Day time	7	720				
		2539588 (7)-8	15-May-25	Day time	8	859				
		2539588 (7)-9	15-May-25	Day time	9	922				
		2539588 (7)-10	15-May-25	Day time	10	906				
		2539588 (7)-11	15-May-25	Day time	11	1,036				
		2539588 (7)-12	15-May-25	Day time	12	925				
		2539588 (7)-13	15-May-25	Day time	13	1,061				
		2539588 (7)-14	15-May-25	Day time	14	1,078				
		2539588 (7)-15	15-May-25	Day time	15	1,174				
		2539588 (7)-16	15-May-25	Day time	16	1,079				
		2539588 (7)-17	15-May-25	Day time	17	1,153				
		2539588 (7)-18	15-May-25	Day time	18	1,145				
2	Area : Warehouse and Workshop Building : Ground Floor : Walkway	2539588 (7)-19	15-May-25	Day time	1	106	106	50	100	Pass
		2539588 (7)-20	15-May-25	Day time	2	106				
		2539588 (7)-21	15-May-25	Day time	3	119				
		2539588 (7)-22	15-May-25	Day time	4	101				
		2539588 (7)-23	15-May-25	Day time	5	100				
		2539588 (7)-24	15-May-25	Day time	6	98				
		2539588 (7)-25	15-May-25	Day time	7	102				
		2539588 (7)-26	15-May-25	Day time	8	116				
		2539588 (7)-27	15-May-25	Day time	9	108				
3	Area : Warehouse and Workshop Building : Ground Floor : Electrical Room/Fitness Room	2539588 (7)-28	15-May-25	Day time	1	434	248	50	100	Pass
		2539588 (7)-29	15-May-25	Day time	2	156				
		2539588 (7)-30	15-May-25	Day time	3	136				
		2539588 (7)-31	15-May-25	Day time	4	200				
		2539588 (7)-32	15-May-25	Day time	5	260				
		2539588 (7)-33	15-May-25	Day time	6	300				
4	Spot : Warehouse and Workshop Building : Ground Floor : C&I Cabinet	2539588 (7)-34	15-May-25	Day time	1	402	-	400-500	-	Pass

Technical Management

Supt S

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

Lot ID: 2539588 (7)

Date Received : May 17, 2025
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GNC											
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment	
						Spot	Average	Spot/Min	Average		
5	Spot : Warehouse and Workshop Building : Ground Floor : C&I Table	2539588 (7)-35	15-May-25	Day time	1	403	-	400-500	-	Pass	
6	Spot : Warehouse and Workshop Building : Ground Floor : Instrument and Control	2539588 (7)-36	15-May-25	Day time	1	476	-	400-500	-	Pass	
7	Spot : Warehouse and Workshop Building : Ground Floor : Mechanical and Electrical #1	2539588 (7)-37	15-May-25	Day time	1	573	-	400-500	-	Pass	
8	Spot : Warehouse and Workshop Building : Ground Floor : Mechanical and Electrical #2	2539588 (7)-38	15-May-25	Day time	1	647	-	400-500	-	Pass	
9	Spot : Warehouse and Workshop Building : Ground Floor : Mechanical and Electrical #3	2539588 (7)-39	15-May-25	Day time	1	458	-	400-500	-	Pass	
10	Spot : Warehouse and Workshop Building : Ground Floor : Mechanical and Electrical Workshop Room (Table No.3)	2539588 (7)-40	15-May-25	Day time	1	404	-	400-500	-	Pass	

Measurement by : Chanon Booncheun

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot S
Supot Salamteh
Section Head

Approved by

Wichan Choonharat
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539588 (8)

Date Received : May 17, 2025
Date Reported : May 21, 2025
Report Number: 2539588 (8)-1

Page 1 of 1

GNC											
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment	
						Spot	Average	Spot/Min	Average		
1	Spot : Water Treatment Control Building : Laboratory (หน้า Hood)	2539588 (8)-1	15-May-25	Night time	1	642	-	300-400	-	Pass	
2	Spot : Water Treatment Control Building : Laboratory (หน้า Spectrophotometer)	2539588 (8)-2	15-May-25	Night time	1	643	-	400-500	-	Pass	
3	Spot : Water Treatment Control Building : Laboratory (หน้าโต๊ะวัด pH)	2539588 (8)-3	15-May-25	Night time	1	411	-	400-500	-	Pass	
4	Area : Water Treatment Control Building : ทางเดินหน้าห้อง Laboratory	2539588 (8)-4	15-May-25	Night time	1	101	93	25	50	Pass	
		2539588 (8)-5	15-May-25	Night time	2	120					
		2539588 (8)-6	15-May-25	Night time	3	98					
		2539588 (8)-7	15-May-25	Night time	4	109					
		2539588 (8)-8	15-May-25	Night time	5	118					
		2539588 (8)-9	15-May-25	Night time	6	69					
		2539588 (8)-10	15-May-25	Night time	7	89					
		2539588 (8)-11	15-May-25	Night time	8	74					
		2539588 (8)-12	15-May-25	Night time	9	62					

Measurement by : Chanon Booncheun

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot S
Supot Salamteh
Section Head

Approved by

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Wichan Choonharat
Assistant Manager

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ภาคผนวก ค-11

การตรวจสอบความถูกต้องของระบบ CEMs ประจำปี พ.ศ. 2568



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 26, 2025
Report Number : 3324325-1

Page 1 of 2

Sample Number 2539822-1
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location แปลง 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	29 May 25	11:40	12:00	374,873	337,881	-36,992
2	29 May 25	12:01	12:21	304,323	276,865	-27,458
3	29 May 25	12:22	12:42	306,574	279,638	-26,936
4*	29 May 25	12:43	13:03	321,950	279,255	-42,695
5	29 May 25	13:04	13:24	409,649	371,794	-37,855
6	29 May 25	13:25	13:45	410,770	373,348	-37,422
7*	29 May 25	13:46	14:06	412,794	369,947	-42,847
8	29 May 25	14:07	14:27	412,965	374,922	-38,043
9*	29 May 25	14:28	14:48	412,818	374,502	-38,316
10	29 May 25	14:49	15:09	414,151	378,136	-36,015
11	29 May 25	15:10	15:30	413,680	380,654	-33,026
12	29 May 25	15:31	15:51	414,005	381,642	-32,363
Average				384,554	350,542	-34,012
Confidence Coefficient (CC)						3,353
Relative Accuracy ^{1/} (Compared with RM) (%)						10.66
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 Wichan Choonharat
Wichan Choonharat
Manager
ทะเบียนเลขที่ 1-204-ก-0006

Approved by Sarayuth Jittranont
Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ 1-204-ก-0003

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 26, 2025
Report Number : 3324325-1

Page 2 of 2

Sample Number 2539822-1
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location แปลง HRSG 11
Parameter Stack Temperature

Relative Accuracy Test Audit Report

Run No.	Date	Time		Temperature Data		Difference
		Start	Stop	CEMs (°C)	RM (°C)	
1	29 May 25	11:40	12:00	112.6	110.1	-2.5
2*	29 May 25	12:01	12:21	106.6	102.0	-4.6
3*	29 May 25	12:22	12:42	106.6	103.0	-3.6
4	29 May 25	12:43	13:03	107.1	104.0	-3.1
5	29 May 25	13:04	13:24	115.0	112.0	-3.0
6	29 May 25	13:25	13:45	113.4	113.0	-0.4
7*	29 May 25	13:46	14:06	114.3	109.5	-4.8
8	29 May 25	14:07	14:27	114.0	112.0	-2.0
9	29 May 25	14:28	14:48	113.9	111.0	-2.9
10	29 May 25	14:49	15:09	113.7	112.0	-1.7
11	29 May 25	15:10	15:30	114.0	113.0	-1.0
12	29 May 25	15:31	15:51	113.8	113.0	-0.8
Average				113.1	111.1	-1.9
Confidence Coefficient (CC)						0.8
Relative Accuracy ^{1/} (Compared with RM) (%)						2.5
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 : Saksit Phaisanphusit

Technical Management Wichan Choonharat
Wichan Choonharat
Manager
ทะเบียนเลขที่ 1-204-ก-0006

Approved by Sarayuth Jittranont
Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ 1-204-ก-0003

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 1 of 12

Sample Number 2539822-2
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSR 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.9 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.8 %
Type of Process	Combustion		Stack Temperature	110	°C	Gas Velocity	15.3 m/s
Type of Fuel	Natural Gas		Moisture	9.64	%	Flow Rate (Actual O2)	337881 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	11:40 AM - 12:00 PM	Nm3/hr	-	-	145848	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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Analysis / Test Report

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 2 of 12

Sample Number 2539822-3
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSR 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	15.0 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.8 %
Type of Process	Combustion		Stack Temperature	102	°C	Gas Velocity	12.2 m/s
Type of Fuel	Natural Gas		Moisture	9.64	%	Flow Rate (Actual O2)	276865 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	12:01 PM - 12:21 PM	Nm3/hr	-	-	117518	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 3 of 12

Sample Number 2539822-4
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSG 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	15.2 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.3 %
Type of Process	Combustion		Stack Temperature	103	°C	Gas Velocity	12.4 m/s
Type of Fuel	Natural Gas		Moisture	9.64	%	Flow Rate (Actual O2)	279638 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	12:22 PM - 12:42 PM	Nm3/hr	-	-	114470	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 4 of 12

Sample Number 2539822-5
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSG 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	15.2 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.3 %
Type of Process	Combustion		Stack Temperature	104	°C	Gas Velocity	12.4 m/s
Type of Fuel	Natural Gas		Moisture	9.64	%	Flow Rate (Actual O2)	279255 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	12:43 PM - 01:03 PM	Nm3/hr	-	-	114515	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
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P/O :
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

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Sample Number 2539822-6
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSR 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.4 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.7 %
Type of Process	Combustion		Stack Temperature	112	°C	Gas Velocity	16.9 m/s
Type of Fuel	Natural Gas		Moisture	9.56	%	Flow Rate (Actual O2)	371794 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	01:04 PM - 01:24 PM	Nm3/hr	-	-	172523	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

Remark :
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Orawan R.
Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
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P/O :
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 6 of 12

Sample Number 2539822-7
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSR 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.4 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.7 %
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	17.0 m/s
Type of Fuel	Natural Gas		Moisture	9.56	%	Flow Rate (Actual O2)	373348 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	01:25 PM - 01:45 PM	Nm3/hr	-	-	174856	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

Remark :
- LOD : Limit of Detection
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Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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Analysis / Test Report

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 7 of 12

Sample Number 2539822-8
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSRG 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.6 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.6 %
Type of Process	Combustion		Stack Temperature	110	°C	Gas Velocity	16.7 m/s
Type of Fuel	Natural Gas		Moisture	9.56	%	Flow Rate (Actual O2)	369947 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	01:46 PM - 02:06 PM	Nm3/hr	-	-	168472	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 8 of 12

Sample Number 2539822-9
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSRG 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.6 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.6 %
Type of Process	Combustion		Stack Temperature	112	°C	Gas Velocity	17.0 m/s
Type of Fuel	Natural Gas		Moisture	9.56	%	Flow Rate (Actual O2)	374922 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	02:07 PM - 02:27 PM	Nm3/hr	-	-	170198	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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S:\Reports_Air Stack_NGL.rpt (6:34PM)



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 9 of 12

Sample Number 2539822-10
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSR 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.4 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.7 %
Type of Process	Combustion		Stack Temperature	111	°C	Gas Velocity	16.9 m/s
Type of Fuel	Natural Gas		Moisture	9.50	%	Flow Rate (Actual O2)	374502 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	02:28 PM - 02:48 PM	Nm3/hr	-	-	175396	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 10 of 12

Sample Number 2539822-11
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSR 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.6 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.6 %
Type of Process	Combustion		Stack Temperature	112	°C	Gas Velocity	17.1 m/s
Type of Fuel	Natural Gas		Moisture	9.50	%	Flow Rate (Actual O2)	378136 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	02:49 PM - 03:09 PM	Nm3/hr	-	-	171929	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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Analysis / Test Report

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418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 11 of 12

Sample Number 2539822-12
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSR 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.6 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.6 %
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	17.3 m/s
Type of Fuel	Natural Gas		Moisture	9.50	%	Flow Rate (Actual O2)	380654 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	03:10 PM - 03:30 PM	Nm3/hr	-	-	173348	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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Analysis / Test Report

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418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 12 of 12

Sample Number 2539822-13
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSR 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.5 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.7 %
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	17.4 m/s
Type of Fuel	Natural Gas		Moisture	9.50	%	Flow Rate (Actual O2)	381642 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	03:31 PM - 03:51 PM	Nm3/hr	-	-	174622	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

Remark :

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539561
Date Received: May 30, 2025
Date Reported: Jun 26, 2025
Report Number: 3324323-2

Page 1 of 2

Sample Number 2539561-1
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 11
Parameter Relative Response Audit

Relative Response Audit Test Report

No Sample	Date	Time		CEMS Values		RM Values (mg/m ³ at 7%O ₂)	Allowable Range		Criterion
		Start	Stop	(%Opacity)	(mg/m ³ at 7%O ₂)		Minimum	Maximum	
1	29-May-25	12:10	12:46	12.47	5.64	0.75	-1.36	12.64	Pass
2	29-May-25	13:10	13:46	14.43	6.53	0.51	-0.47	13.53	Pass
3	29-May-25	13:50	14:26	14.81	6.70	0.51	-0.30	13.70	Pass
4	29-May-25	14:30	15:06	15.40	6.97	0.98	-0.03	13.97	Pass
5	29-May-25	15:15	15:51	16.75	7.59	0.78	0.59	14.59	Pass

Remark : - Relative Response Audit is refer to 40 CFR Part 60 Appendix B : Performance Specification 11 : Specifications and Test Procedures for Particulate Matter Continuous Emission Monitoring Systems at Stationary Source (PS-11)
- Correlation Equation of Linear curve $Y = 0.4554X - 0.0419$
- Emission limit 28 mg/m³ from Environmental Impact Assessment Report of Gulf NC Co., Ltd.

Technical Management

Wichan Choonharat

Manager

ทะเบียนเลขที่ ๖-204-ค-0006

Approved by

Sarayuth Jitranont

Assistant General Manager

ทะเบียนเลขที่ ๖-204-ค-0003

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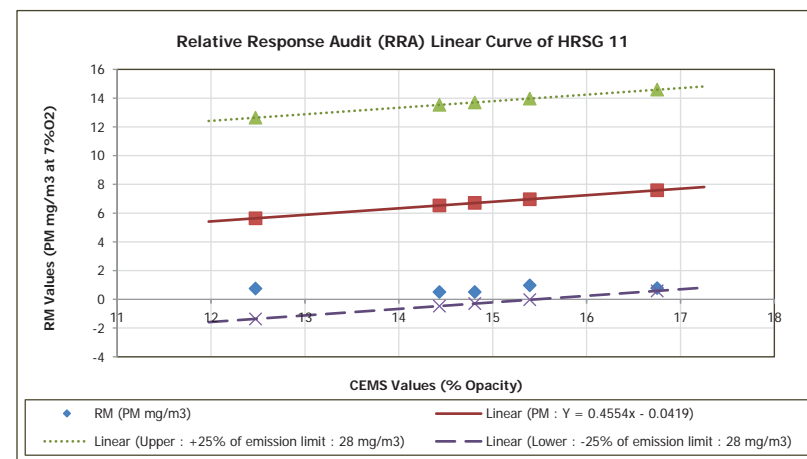
Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539561
Date Received: May 30, 2025
Date Reported: Jun 26, 2025
Report Number: 3324323-2

Page 2 of 2

Sample Number 2539561-1
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 11
Parameter Relative Response Audit



Sampled By : Sittipan Sanachiw, Saksit Phaisanphisut

Technical Management

Wichan Choonharat

Manager

ทะเบียนเลขที่ ๖-204-ค-0006

Approved by

Sarayuth Jitranont

Assistant General Manager

ทะเบียนเลขที่ ๖-204-ค-0003

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539560
Date Received : Jun 02, 2025
Date Reported : Jun 26, 2025
Report Number : 3292073-1

Page 1 of 4

Sample Number 2539560-1
Sampled Date May 30, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Parameter NOx

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	30 May 25	10:20	10:40	17.76	17.23	38.13	39.36	1.23
2	30 May 25	10:41	11:01	15.73	14.64	36.93	33.59	-3.33
3*	30 May 25	11:02	11:22	16.97	15.51	39.63	35.32	-4.31
4	30 May 25	11:23	11:43	17.65	16.62	41.05	37.68	-3.36
5	30 May 25	11:44	12:04	19.60	20.88	45.43	46.88	1.45
6	30 May 25	12:05	12:25	10.95	10.92	27.22	26.30	-0.92
7	30 May 25	12:26	12:46	10.82	10.52	27.03	25.45	-1.58
8*	30 May 25	12:47	13:07	14.85	13.00	35.84	30.76	-5.08
9	30 May 25	13:08	13:28	20.14	21.07	45.95	46.63	0.67
10*	30 May 25	13:29	13:49	17.75	15.92	41.33	36.09	-5.24
11	30 May 25	13:50	14:10	19.05	19.31	43.92	43.26	-0.66
12	30 May 25	14:11	14:31	22.03	21.25	50.21	47.22	-2.98
Average						39.54	38.49	-1.05
Confidence Coefficient (CC)								1.47
Relative Accuracy (Compared with RM) (%)								6.55
Relative Accuracy Criteria ^{1/} (Compared with RM)								≤ 20%

Reference Method : US EPA Method 7E


Remark: * Sample with * is a rejected data

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

RA Result is within Criteria

Technical Management 
Wichan Choonharat
Manager

ทะเบียนเลขที่ 7-204-ก-0006

Approved by 
Sarayuth Jitranont
Assistant General Manager

ทะเบียนเลขที่ 7-204-ก-0003

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539560
Date Received : Jun 02, 2025
Date Reported : Jun 26, 2025
Report Number : 3292073-1

Page 2 of 4

Sample Number 2539560-1
Sampled Date May 30, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Parameter SO2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	30 May 25	10:20	10:40	0.19	0.12	0.41	0.27	-0.14
2	30 May 25	10:41	11:01	0.04	0.18	0.08	0.41	0.33
3	30 May 25	11:02	11:22	0.01	0.18	0.03	0.41	0.38
4	30 May 25	11:23	11:43	0.01	0.18	0.02	0.41	0.39
5*	30 May 25	11:44	12:04	0.01	0.22	0.03	0.48	0.46
6	30 May 25	12:05	12:25	0.03	0.18	0.09	0.43	0.35
7	30 May 25	12:26	12:46	0.04	0.18	0.10	0.44	0.34
8	30 May 25	12:47	13:07	0.02	0.19	0.05	0.45	0.41
9	30 May 25	13:08	13:28	0.01	0.21	0.03	0.47	0.44
10	30 May 25	13:29	13:49	0.03	0.20	0.06	0.45	0.39
11*	30 May 25	13:50	14:10	0.02	0.24	0.05	0.54	0.49
12*	30 May 25	14:11	14:31	0.03	0.26	0.07	0.57	0.50
Average						0.10	0.42	0.32
Confidence Coefficient (CC)								0.14
Relative Accuracy (Compared with Emission Standard : 6 ppm) (%)								7.61
Relative Accuracy Criteria ^{1/} (Compared with Emission Standard)								≤ 10%

Reference Method : US EPA Method 6C

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of SO2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2) compared with

Emission Standard 6 ppm at 7%O2

RA Result is within Criteria

Technical Management 
Wichan Choonharat
Manager

ทะเบียนเลขที่ 7-204-ก-0006

Approved by 
Sarayuth Jitranont
Assistant General Manager

ทะเบียนเลขที่ 7-204-ก-0003

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Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539560
Date Received : Jun 02, 2025
Date Reported : Jun 26, 2025
Report Number : 3292073-1

Page 3 of 4

Sample Number 2539560-1
Sampled Date May 30, 2025
Sample Description Emission from Stationary Source
Location แปลง HRSG 12
Parameter CO

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1*	30 May 25	10:20	10:40	34.29	36.26	73.63	82.83	9.20
2	30 May 25	10:41	11:01	35.24	35.70	82.70	81.91	-0.79
3	30 May 25	11:02	11:22	35.24	35.36	82.29	80.52	-1.77
4	30 May 25	11:23	11:43	35.37	35.24	82.26	79.93	-2.33
5	30 May 25	11:44	12:04	35.60	35.42	82.53	79.52	-3.01
6	30 May 25	12:05	12:25	34.40	34.24	85.47	82.45	-3.02
7	30 May 25	12:26	12:46	34.42	34.11	85.97	82.50	-3.48
8	30 May 25	12:47	13:07	35.51	34.71	85.68	82.10	-3.58
9	30 May 25	13:08	13:28	35.61	34.99	81.24	77.43	-3.81
10*	30 May 25	13:29	13:49	35.00	34.26	81.50	77.67	-3.83
11	30 May 25	13:50	14:10	35.24	34.64	81.26	77.59	-3.67
12*	30 May 25	14:11	14:31	35.73	34.90	81.42	77.58	-3.83
Average						83.27	80.44	-2.83
Confidence Coefficient (CC)						0.78		
Relative Accuracy (Compared with Emission Standard : 690 ppm) (%)						0.52		
Relative Accuracy Criteria ^{1/} (Compared with Emission Standard)						≤ 5%		

Reference Method : US EPA Method 10

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of CO is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 4 (PS-4) compared with

Emission Standard 690 ppm at 7%O2

RA Result is within Criteria

Technical Management 
Wichan Choonharat
Manager
ทะเบียนเลขที่ 1-204-ก-0006

Approved by 
Sarayuth Jitranont
Assistant General Manager
ทะเบียนเลขที่ 1-204-ก-0003

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P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539560
Date Received : Jun 02, 2025
Date Reported : Jun 26, 2025
Report Number : 3292073-1

Page 4 of 4

Sample Number 2539560-1
Sampled Date May 30, 2025
Sample Description Emission from Stationary Source
Location แปลง HRSG 12
Parameter O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1*	30 May 25	10:20	10:40	14.43	14.81	0.39
2	30 May 25	10:41	11:01	14.98	14.84	-0.13
3	30 May 25	11:02	11:22	14.95	14.79	-0.15
4	30 May 25	11:23	11:43	14.92	14.77	-0.15
5*	30 May 25	11:44	12:04	14.90	14.71	-0.20
6	30 May 25	12:05	12:25	15.31	15.13	-0.18
7	30 May 25	12:26	12:46	15.34	15.15	-0.18
8	30 May 25	12:47	13:07	15.14	15.02	-0.12
9*	30 May 25	13:08	13:28	14.81	14.62	-0.19
10	30 May 25	13:29	13:49	14.93	14.77	-0.16
11	30 May 25	13:50	14:10	14.87	14.69	-0.18
12	30 May 25	14:11	14:31	14.80	14.65	-0.15
Average				15.03	14.87	-0.16
Confidence Coefficient (CC)				-		-
Relative Accuracy (Compared in Actual) (%)				0.16		0.16
Relative Accuracy Criteria ^{1/} (%)				≤ 1%		≤ 1%

Reference Method : US EPA Method 3A

Remark: * Sample with * is a rejected data

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

RA Result is within Criteria

Sampled By : Saksit Phaisanphusit

Technical Management 
Wichan Choonharat
Manager
ทะเบียนเลขที่ 1-204-ก-0006

Approved by 
Sarayuth Jitranont
Assistant General Manager
ทะเบียนเลขที่ 1-204-ก-0003

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539563
Date Received: May 30, 2025
Date Reported: Jun 26, 2025
Report Number: 3324324-2

Page 1 of 2

Sample Number 2539563-1
Sampled Date May 30, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Parameter Relative Response Audit

Relative Response Audit Test Report

No Sample	Date	Time		CEMS Values		RM Values (mg/m ³ at 7%O ₂)	Allowable Range		Criterion
		Start	Stop	(%Opacity)	(mg/m ³ at 7%O ₂)		Minimum	Maximum	
1	30-May-25	10:30	11:06	5.05	1.99	0.24	-5.01	8.99	Pass
2	30-May-25	11:15	11:51	4.93	1.95	0.86	-5.05	8.95	Pass
3	30-May-25	12:10	12:46	4.11	1.65	0.76	-5.35	8.65	Pass
4	30-May-25	13:10	13:46	4.75	1.88	0.31	-5.12	8.88	Pass
5	30-May-25	13:51	14:27	4.74	1.88	0.30	-5.12	8.88	Pass

Remark : - Relative Response Audit is refer to 40 CFR Part 60 Appendix B : Performance Specification 11 : Specifications and Test Procedures for Particulate Matter Continuous Emission Monitoring Systems at Stationary Source (PS-11)
- Correlation Equation of Linear curve $Y = 0.3628X + 0.1576$
- Emission limit 28 mg/m³ from Environmental Impact Assessment Report of Gulf NC Co., Ltd.

Technical Management

Wichan Choonharat
Manager
ทะเบียนเลขที่ ๖-204-ค-0006

Approved by

Sarayuth Jitranont
Assistant General Manager
ทะเบียนเลขที่ ๖-204-ค-0003

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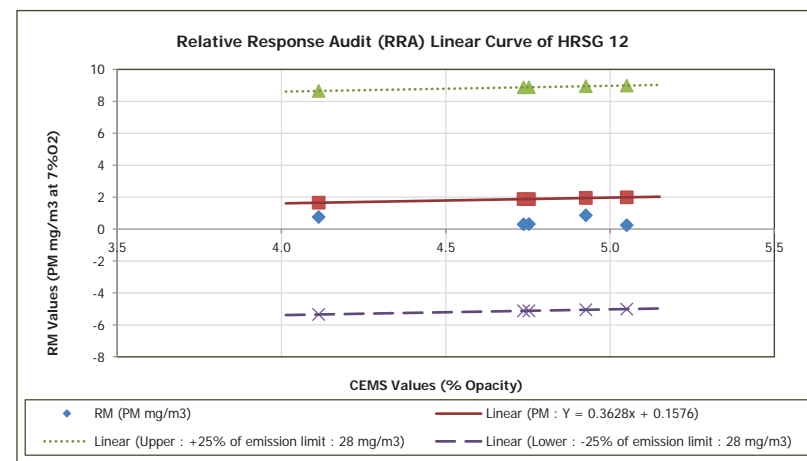
Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539563
Date Received: May 30, 2025
Date Reported: Jun 26, 2025
Report Number: 3324324-2

Page 2 of 2

Sample Number 2539563-1
Sampled Date May 30, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Parameter Relative Response Audit



Sampled By : Sittipan Sanachiw, Saksit Phaisanphisut

Technical Management

Wichan Choonharat
Manager
ทะเบียนเลขที่ ๖-204-ค-0006

Approved by

Sarayuth Jitranont
Assistant General Manager
ทะเบียนเลขที่ ๖-204-ค-0003

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 1 of 12

Sample Number 2539822-2
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSG 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.9 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.8 %
Type of Process	Combustion		Stack Temperature	110	°C	Gas Velocity	15.3 m/s
Type of Fuel	Natural Gas		Moisture	9.64	%	Flow Rate (Actual O2)	337881 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	11:40 AM - 12:00 PM	Nm3/hr	-	-	145848	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 2 of 12

Sample Number 2539822-3
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSG 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	15.0 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.8 %
Type of Process	Combustion		Stack Temperature	102	°C	Gas Velocity	12.2 m/s
Type of Fuel	Natural Gas		Moisture	9.64	%	Flow Rate (Actual O2)	276865 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	12:01 PM - 12:21 PM	Nm3/hr	-	-	117518	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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Client : Gulf NC Co., Ltd.
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P/O :
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 3 of 12

Sample Number 2539822-4
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSR 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	15.2 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.3 %
Type of Process	Combustion		Stack Temperature	103	°C	Gas Velocity	12.4 m/s
Type of Fuel	Natural Gas		Moisture	9.64	%	Flow Rate (Actual O2)	279638 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	12:22 PM - 12:42 PM	Nm3/hr	-	-	114470	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 4 of 12

Sample Number 2539822-5
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSR 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	15.2 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.3 %
Type of Process	Combustion		Stack Temperature	104	°C	Gas Velocity	12.4 m/s
Type of Fuel	Natural Gas		Moisture	9.64	%	Flow Rate (Actual O2)	279255 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	12:43 PM - 01:03 PM	Nm3/hr	-	-	114515	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 5 of 12

Sample Number 2539822-6
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSR 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.4 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.7 %
Type of Process	Combustion		Stack Temperature	112	°C	Gas Velocity	16.9 m/s
Type of Fuel	Natural Gas		Moisture	9.56	%	Flow Rate (Actual O2)	371794 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	01:04 PM - 01:24 PM	Nm3/hr	-	-	172523	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

Remark :
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Orawan Rakyong
Scientist (3)

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 6 of 12

Sample Number 2539822-7
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSR 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.4 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.7 %
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	17.0 m/s
Type of Fuel	Natural Gas		Moisture	9.56	%	Flow Rate (Actual O2)	373348 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	01:25 PM - 01:45 PM	Nm3/hr	-	-	174856	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 7 of 12

Sample Number 2539822-8
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSR 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.6 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.6 %
Type of Process	Combustion		Stack Temperature	110	°C	Gas Velocity	16.7 m/s
Type of Fuel	Natural Gas		Moisture	9.56	%	Flow Rate (Actual O2)	369947 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	01:46 PM - 02:06 PM	Nm3/hr	-	-	168472	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 8 of 12

Sample Number 2539822-9
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSR 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.6 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.6 %
Type of Process	Combustion		Stack Temperature	112	°C	Gas Velocity	17.0 m/s
Type of Fuel	Natural Gas		Moisture	9.56	%	Flow Rate (Actual O2)	374922 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	02:07 PM - 02:27 PM	Nm3/hr	-	-	170198	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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Client : Gulf NC Co., Ltd.
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P/O :
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 9 of 12

Sample Number 2539822-10
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSG 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.4 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.7 %
Type of Process	Combustion		Stack Temperature	111	°C	Gas Velocity	16.9 m/s
Type of Fuel	Natural Gas		Moisture	9.50	%	Flow Rate (Actual O2)	374502 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	02:28 PM - 02:48 PM	Nm3/hr	-	-	175396	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 10 of 12

Sample Number 2539822-11
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSG 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.6 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.6 %
Type of Process	Combustion		Stack Temperature	112	°C	Gas Velocity	17.1 m/s
Type of Fuel	Natural Gas		Moisture	9.50	%	Flow Rate (Actual O2)	378136 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	02:49 PM - 03:09 PM	Nm3/hr	-	-	171929	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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Analysis / Test Report

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 11 of 12

Sample Number 2539822-12
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSG 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.6 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.6 %
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	17.3 m/s
Type of Fuel	Natural Gas		Moisture	9.50	%	Flow Rate (Actual O2)	380654 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	03:10 PM - 03:30 PM	Nm3/hr	-	-	173348	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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

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S:\Reports_Air Stack_NGL.rpt (6:34PM)



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539822
Date Received : Jun 02, 2025
Date Reported : Jun 13, 2025
Report Number: 3292564-1

Page 12 of 12

Sample Number 2539822-13
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ๖๑๑๖ HRSG 11
Date Analysis Commenced Jun 04, 2025

Stack Description							
Ambient Pressure	755	mmHg	Diameter	3.35	m	Oxygen	14.5 %
Ambient Temperature	32.3	°C	Shape	Circle		Carbon Dioxide	3.7 %
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	17.4 m/s
Type of Fuel	Natural Gas		Moisture	9.50	%	Flow Rate (Actual O2)	381642 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
Air Testing							
Flow rate	03:31 PM - 03:51 PM	Nm3/hr	-	-	174622	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

Approved by

Orawan R.
Orawan Rakyong
Scientist (3)

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

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539823
Date Received : Jun 02, 2025
Date Reported : Jun 26, 2025
Report Number : 3324326-1

Page 1 of 2

Sample Number 2539823-1
Sampled Date May 30, 2025
Sample Description Emission from Stationary Source
Location แปลง HRSG 12
Parameter Flowrate

Relative Accuracy Test Audit Report

Run No.	Date	Time		Flowrate Data		Difference
		Start	Stop	CEMs (Nm3/Hr)	RM (Nm3/Hr)	
1	30 May 25	10:30	10:50	348,119	349,275	1,156
2	30 May 25	10:51	11:11	347,884	349,338	1,454
3	30 May 25	11:12	11:32	348,201	349,584	1,383
4	30 May 25	11:33	11:53	352,906	349,186	-3,720
5*	30 May 25	11:54	12:14	303,226	348,594	45,368
6	30 May 25	12:15	12:35	278,837	279,550	713
7	30 May 25	12:36	12:56	276,277	279,908	3,631
8*	30 May 25	12:57	13:17	350,224	359,269	9,045
9	30 May 25	13:18	13:38	341,471	338,878	-2,593
10*	30 May 25	13:39	13:59	348,136	339,561	-8,575
11	30 May 25	14:00	14:20	347,290	341,394	-5,896
12	30 May 25	14:21	14:41	351,988	343,641	-8,347
Average				332,553	331,195	-1,358
Confidence Coefficient (CC)						3.068
Relative Accuracy ^{1/} (Compared with RM) (%)						1.34
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 Wichan Choonharat
Wichan Choonharat
Manager
ทะเบียนเลขที่ 7-204-ก-0006

Approved by Sarayuth Jittrant
Sarayuth Jittrant
Assistant General Manager
ทะเบียนเลขที่ 7-204-ก-0003

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110

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

Lot ID: 2539823
Date Received : Jun 02, 2025
Date Reported : Jun 26, 2025
Report Number : 3324326-1

Page 2 of 2

Sample Number 2539823-1
Sampled Date May 30, 2025
Sample Description Emission from Stationary Source
Location แปลง HRSG 12
Parameter Stack Temperature

Relative Accuracy Test Audit Report

Run No.	Date	Time		Temperature Data		Difference
		Start	Stop	CEMs (°C)	RM (°C)	
1	30 May 25	10:30	10:50	111.6	109.0	-2.6
2*	30 May 25	10:51	11:11	112.2	109.0	-3.2
3	30 May 25	11:12	11:32	111.9	109.0	-2.9
4*	30 May 25	11:33	11:53	112.2	109.0	-3.2
5	30 May 25	11:54	12:14	107.0	109.0	2.0
6*	30 May 25	12:15	12:35	105.9	102.0	-3.9
7	30 May 25	12:36	12:56	105.0	102.0	-3.0
8	30 May 25	12:57	13:17	111.3	112.0	0.7
9	30 May 25	13:18	13:38	111.2	109.0	-2.2
10	30 May 25	13:39	13:59	111.8	110.0	-1.8
11	30 May 25	14:00	14:20	111.7	111.0	-0.7
12	30 May 25	14:21	14:41	111.1	111.0	-0.1
Average				110.3	109.1	-1.2
Confidence Coefficient (CC)						1.3
Relative Accuracy ^{1/} (Compared with RM) (%)						2.3
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 : Saksit Phaisanphusit

Technical Management Wichan Choonharat
Wichan Choonharat
Manager
ทะเบียนเลขที่ 7-204-ก-0006

Approved by Sarayuth Jittrant
Sarayuth Jittrant
Assistant General Manager
ทะเบียนเลขที่ 7-204-ก-0003

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