

ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์

ภาคผนวก ค-1

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

TESTING
No.0042

Lot ID: 2599517

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Number: 3436663-1

Page 1 of 1

Sample Description Air Quality
Location ทุ่งระบือทุ่งพลา (GPS 47P 0792397, 1554150)
Date Analysis Commenced Dec 15, 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	Pressure (mm Hg)	Sampling Condition Temperature (°C)	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)
2599517-1	Dec 02 - Dec 03, 2025	755	30.8	0.068	0.032
2599517-2	Dec 03 - Dec 04, 2025	755	30.6	0.063	0.030
2599517-3	Dec 04 - Dec 05, 2025	755	29.9	0.068	0.030
2599517-4	Dec 05 - Dec 06, 2025	755	30.7	0.023	0.014
2599517-5	Dec 06 - Dec 07, 2025	755	31.1	0.027	0.014
2599517-6	Dec 07 - Dec 08, 2025	755	31.0	0.033	0.018
2599517-7	Dec 08 - Dec 09, 2025	755	31.9	0.053	0.026
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 : Anuwet Tema

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

Approved by

Thanita K.

Thanita Kulsuriwong
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Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

TESTING
No.0042

Lot ID: 2599517

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Number: 3436663-2

Page 1 of 1

Sample Description Air Quality
Location ทุ่งระบือทุ่งพลา (GPS 47P 0792644, 1550250)
Date Analysis Commenced Dec 15, 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	Pressure (mm Hg)	Sampling Condition Temperature (°C)	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)
2599517-8	Dec 02 - Dec 03, 2025	755	30.8	0.059	0.048
2599517-9	Dec 03 - Dec 04, 2025	755	30.6	0.049	0.040
2599517-10	Dec 04 - Dec 05, 2025	755	29.9	0.031	0.017
2599517-11	Dec 05 - Dec 06, 2025	755	30.7	0.025	0.018
2599517-12	Dec 06 - Dec 07, 2025	755	31.1	0.046	0.028
2599517-13	Dec 07 - Dec 08, 2025	755	31.0	0.041	0.030
2599517-14	Dec 08 - Dec 09, 2025	755	31.9	0.061	0.043
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 : Anuwet Tema

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

TESTING
No.0042

Lot ID: 2599517

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Number: 3436663-3

Page 1 of 1

Sample Description Air Quality
Location โรงเรือนปลูกทุเรียน (GPS 47P 0793836, 1554219)
Date Analysis Commenced Dec 15, 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	Pressure (mm Hg)	Sampling Condition Temperature (°C)	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)
2599517-15	Dec 02 - Dec 03, 2025	755	30.8	0.048	0.023
2599517-16	Dec 03 - Dec 04, 2025	755	30.6	0.025	0.018
2599517-17	Dec 04 - Dec 05, 2025	755	29.9	0.029	0.018
2599517-18	Dec 05 - Dec 06, 2025	755	30.7	0.024	0.012
2599517-19	Dec 06 - Dec 07, 2025	755	31.1	0.020	0.014
2599517-20	Dec 07 - Dec 08, 2025	755	31.0	0.025	0.018
2599517-21	Dec 08 - Dec 09, 2025	755	31.9	0.044	0.023
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 : Anuwet Tema

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

TESTING
No.0042

Lot ID: 2599517

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Number: 3436663-4

Page 1 of 1

Sample Description Air Quality
Location โรงเรือนปลูกทุเรียน (GPS 47P 0788792, 1552723)
Date Analysis Commenced Dec 15, 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	Pressure (mm Hg)	Sampling Condition Temperature (°C)	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)
2599517-22	Dec 02 - Dec 03, 2025	755	30.8	0.040	0.030
2599517-23	Dec 03 - Dec 04, 2025	755	30.6	0.020	0.015
2599517-24	Dec 04 - Dec 05, 2025	755	29.9	0.024	0.015
2599517-25	Dec 05 - Dec 06, 2025	755	30.7	0.021	0.016
2599517-26	Dec 06 - Dec 07, 2025	755	31.1	0.023	0.016
2599517-27	Dec 07 - Dec 08, 2025	755	31.0	0.023	0.017
2599517-28	Dec 08 - Dec 09, 2025	755	31.9	0.043	0.034
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 : Anuwet Tema

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

TESTING
No.0042

Lot ID: 2599517

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Number: 3436663-5

Page 1 of 1

Sample Description	Air Quality	
Location	ชุมชนบ้านนาบง (GPS 47P 0792995, 1553106)	
Date Analysis Commenced	Dec 15, 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	Pressure (mm Hg)	Sampling Condition Temperature (°C)	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)
2599517-29	Dec 02 - Dec 03, 2025	755	30.8	0.061	0.022
2599517-30	Dec 03 - Dec 04, 2025	755	30.6	0.028	0.019
2599517-31	Dec 04 - Dec 05, 2025	755	29.9	0.033	0.017
2599517-32	Dec 05 - Dec 06, 2025	755	30.7	0.027	0.015
2599517-33	Dec 06 - Dec 07, 2025	755	31.1	0.028	0.015
2599517-34	Dec 07 - Dec 08, 2025	755	31.0	0.029	0.018
2599517-35	Dec 08 - Dec 09, 2025	755	31.9	0.037	0.023
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 : Anuwet Tema

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

TESTING
No.0042

Lot ID: 2599517

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Number: 3436663-6

Page 1 of 1

Sample Description	Air Quality	
Location	ชุมชนบ้านนาบง (GPS 47P 0790574, 1555767)	
Date Analysis Commenced	Dec 15, 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	Pressure (mm Hg)	Sampling Condition Temperature (°C)	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)
2599517-36	Dec 02 - Dec 03, 2025	755	30.8	0.030	0.020
2599517-37	Dec 03 - Dec 04, 2025	755	30.6	0.021	0.013
2599517-38	Dec 04 - Dec 05, 2025	755	29.9	0.020	0.014
2599517-39	Dec 05 - Dec 06, 2025	755	30.7	0.021	0.013
2599517-40	Dec 06 - Dec 07, 2025	755	31.1	0.027	0.015
2599517-41	Dec 07 - Dec 08, 2025	755	31.0	0.022	0.014
2599517-42	Dec 08 - Dec 09, 2025	755	31.9	0.042	0.024
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 : Anuwet Tema

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599514
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report NuQber: 34736-7rd

Page 1 of 1

Sample Description		Air (uality													
Location	Parameter	อากาศบริเวณ SP9 477 07-3836, 155421-)													
Measurement Date	Measurement by	Nitrogen dioxide (ppQ)													
		Dec 02, 2025 mDec 0-, 2025													
		Anuwet TeQ a													
	TiQe	25-514m5	25-514m6	25-514m7	25-514m8	25-514m9	25-514m10	25-514m11	25-514m12	25-514m13	25-514m14	25-514m15	25-514m16	25-514m17	25-514m18
	11:00 AM m12:00 PM	0.0040	0.0032	0.0023	0.0004	0.0033	0.0016	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	12:00 PM m01:00 PM	0.0018	0.0012	0.0021	0.0004	0.0011	0.0014	0.0012	0.0013	0.0016	0.0015	0.0015	0.0015	0.0015	0.0015
	01:00 PM m02:00 PM	0.0000	0.0005	0.0012	0.0002	0.0037	0.0012	0.0012	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	02:00 PM m03:00 PM	0.0005	0.0005	0.0000	0.0001	0.0012	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	03:00 PM m04:00 PM	0.0012	0.0004	0.0000	0.0005	0.0012	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	04:00 PM m05:00 PM	0.0010	0.0001	0.0010	0.0008	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	05:00 PM m06:00 PM	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	06:00 PM m07:00 PM	0.0012	0.0008	0.0008	0.0011	0.0012	0.0025	0.0025	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
	07:00 PM m08:00 PM	0.0026	0.0013	0.0020	0.0013	0.0026	0.0017	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037
	08:00 PM m09:00 PM	0.0028	0.0010	0.0021	0.0022	0.0035	0.0023	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027
	09:00 PM m10:00 PM	0.0012	0.0001	0.0024	0.0028	0.0024	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
	10:00 PM m11:00 PM	0.0012	0.0018	0.0020	0.0038	0.0026	0.0015	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
	11:00 PM m12:00 AM	0.0010	0.0018	0.0000	0.0044	0.0010	0.0010	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
	12:00 AM m01:00 AM	0.0010	0.0021	0.0007	0.0024	0.0017	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	01:00 AM m02:00 AM	0.0018	0.0016	0.0010	0.0022	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
	02:00 AM m03:00 AM	0.0012	0.0016	0.0000	0.0000	0.0031	0.0013	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	03:00 AM m04:00 AM	0.0018	0.0007	0.0005	0.0000	0.0010	0.0014	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
	04:00 AM m05:00 AM	0.0000	0.0006	0.0006	0.0001	0.0015	0.0011	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
	05:00 AM m06:00 AM	0.0005	0.0004	0.0006	0.0001	0.0006	0.0011	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	06:00 AM m07:00 AM	0.0004	0.0008	0.0000	0.0003	0.0010	0.0013	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	07:00 AM m08:00 AM	0.0010	0.0007	0.0006	0.0034	0.0025	0.0011	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
	08:00 AM m09:00 AM	0.0038	0.0020	0.0014	0.0047	0.0023	0.0021	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
	09:00 AM m10:00 AM	0.0032	0.0030	0.0011	0.0022	0.0037	0.0015	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
	10:00 AM m11:00 AM	0.0032	0.0021	0.0004	0.0031	0.0018	0.0021	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030
	Average	0.0018	0.0013	0.0012	0.0016	0.0010	0.0015	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
	1hr mMaxIQ uQ	0.0040	0.0032	0.0024	0.0047	0.0037	0.0025	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037
	Standard 1hr mAverage	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599514
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report NuQber: 34736--rl

Page 1 of 1

Sample Description	Air (uality		25--514r0		25--514r1		25--514r2		25--514r3		25--514r4		25--514r5	
	Location	Parameter	Measurement Date	Measurement by	Time	Dec 02, 2025	Dec 03, 2025	Dec 04, 2025	Dec 05, 2025	Dec 06, 2025	Dec 07, 2025	Dec 08, 2025	Dec 09, 2025	Dec 10, 2025
Nitrogen dioxide SpQ	418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110	Nitrogen dioxide SpQ	Dec 02, 2025	Anuwet TeQ a	10:00 AM ml1:00 AM	0.0014	0.0018	0.0013	0.0022	0.0018	0.0021	0.0023	0.0023	0.0023
					11:00 AM ml2:00 PM	0.0012	0.0013	0.0013	0.0016	0.0022	0.0024	0.0023	0.0023	0.0023
Nitrogen dioxide SpQ	418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110	Nitrogen dioxide SpQ	Dec 02, 2025	Anuwet TeQ a	12:00 PM ml01:00 PM	0.0011	0.0013	0.0013	0.0014	0.0032	0.0028	0.0020	0.0020	0.0020
					01:00 PM ml02:00 PM	0.0013	0.0014	0.0014	0.0017	0.0032	0.0028	0.0020	0.0020	0.0020
Nitrogen dioxide SpQ	418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110	Nitrogen dioxide SpQ	Dec 02, 2025	Anuwet TeQ a	02:00 PM ml03:00 PM	0.0021	0.0015	0.0015	0.0016	0.0041	0.0047	0.0022	0.0022	0.0022
					03:00 PM ml04:00 PM	0.0025	0.0034	0.0021	0.0041	0.0047	0.0050	0.0022	0.0022	0.0022
Nitrogen dioxide SpQ	418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110	Nitrogen dioxide SpQ	Dec 02, 2025	Anuwet TeQ a	04:00 PM ml05:00 PM	0.0024	0.0000	0.0035	0.0044	0.0074	0.0123	0.0046	0.0046	0.0046
					05:00 PM ml06:00 PM	0.0010	0.0082	0.0027	0.0037	0.0105	0.0183	0.0086	0.0086	0.0086
Nitrogen dioxide SpQ	418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110	Nitrogen dioxide SpQ	Dec 02, 2025	Anuwet TeQ a	06:00 PM ml07:00 PM	0.0011	0.0003	0.0011	0.0036	0.0078	0.0116	0.0170	0.0170	0.0170
					07:00 PM ml08:00 PM	0.0010	0.0043	0.0057	0.0020	0.0086	0.0206	0.0148	0.0148	0.0148
Nitrogen dioxide SpQ	418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110	Nitrogen dioxide SpQ	Dec 02, 2025	Anuwet TeQ a	08:00 PM ml09:00 PM	0.0011	0.0031	0.0066	0.0024	0.0086	0.0080	0.0100	0.0100	0.0100
					09:00 PM ml10:00 PM	0.0014	0.0034	0.0036	0.0018	0.0066	0.0054	0.0100	0.0100	0.0100
Nitrogen dioxide SpQ	418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110	Nitrogen dioxide SpQ	Dec 02, 2025	Anuwet TeQ a	10:00 PM ml11:00 PM	0.0015	0.0077	0.0047	0.0024	0.0058	0.0063	0.0080	0.0080	0.0080
					11:00 PM ml12:00 AM	0.0015	0.0051	0.0045	0.0018	0.0056	0.0060	0.0078	0.0078	0.0078
Nitrogen dioxide SpQ	418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110	Nitrogen dioxide SpQ	Dec 02, 2025	Anuwet TeQ a	12:00 AM ml01:00 AM	0.0012	0.0076	0.0040	0.0024	0.0046	0.0060	0.0078	0.0078	0.0078
					01:00 AM ml02:00 AM	0.0022	0.0048	0.0044	0.0028	0.0043	0.0064	0.0080	0.0080	0.0080
Nitrogen dioxide SpQ	418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110	Nitrogen dioxide SpQ	Dec 02, 2025	Anuwet TeQ a	02:00 AM ml03:00 AM	0.0037	0.0044	0.0047	0.0043	0.0036	0.0058	0.0070	0.0070	0.0070
					03:00 AM ml04:00 AM	0.0050	0.0043	0.0041	0.0024	0.0024	0.0040	0.0081	0.0081	0.0081
Nitrogen dioxide SpQ	418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110	Nitrogen dioxide SpQ	Dec 02, 2025	Anuwet TeQ a	04:00 AM ml05:00 AM	0.0037	0.0041	0.0046	0.0042	0.0035	0.0040	0.0074	0.0074	0.0074
					05:00 AM ml06:00 AM	0.0035	0.0023	0.0048	0.0071	0.0047	0.0050	0.0062	0.0062	0.0062
Nitrogen dioxide SpQ	418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110	Nitrogen dioxide SpQ	Dec 02, 2025	Anuwet TeQ a	06:00 AM ml07:00 AM	0.0028	0.0020	0.0052	0.0068	0.0042	0.0077	0.0085	0.0085	0.0085
					07:00 AM ml08:00 AM	0.0021	0.0023	0.0038	0.0040	0.0101	0.0058	0.0070	0.0070	0.0070
Nitrogen dioxide SpQ	418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110	Nitrogen dioxide SpQ	Dec 02, 2025	Anuwet TeQ a	08:00 AM ml09:00 AM	0.0014	0.0060	0.0030	0.0025	0.0037	0.0032	0.0063	0.0063	0.0063
					09:00 AM ml10:00 AM	0.0016	0.0088	0.0018	0.0027	0.0036	0.0042	0.0060	0.0060	0.0060
Nitrogen dioxide SpQ	418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110	Nitrogen dioxide SpQ	Dec 02, 2025	Anuwet TeQ a	10:00 AM ml11:00 AM	0.0020	0.0043	0.0044	0.0031	0.0052	0.0072	0.0073	0.0073	0.0073
					11:00 AM ml12:00 AM	0.0050	0.0000	0.0007	0.0071	0.0105	0.0206	0.0170	0.0170	0.0170
Nitrogen dioxide SpQ	418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110	Nitrogen dioxide SpQ	Dec 02, 2025	Anuwet TeQ a	Standard 1hr mAverage	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170
					Standard 1hr mAverage	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National EnvironQent Board No. 33, 200- SB.E. 2552).
Reference Method : U.9. EnvironQental Protection AgencyMethod Part 50 App. F. SChQQuIQnescence)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be relied upon for legal or regulatory purposes without the written approval of the laboratory.

Orawan R.
Orawan Rakyoung
Scientist (S)

Approved by

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



14484-21/ EMAIL S:\Reports_Air SO\NOx.rpt (4:54PM)



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599514
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report Number: 3473700-1

Page 1 of 1

Sample Description		Air Quality													
Location		ตำบลบ้านจันทบุรี (GPS 47P 0790574, 1555767)													
Parameter		Nitrogen dioxide (ppm)													
Measurement Date		Dec 02, 2025 - Dec 09, 2025													
Measurement by		Anuwet Tema													
Time		2599514-36		2599514-37		2599514-38		2599514-39		2599514-40		2599514-41		2599514-42	
		Dec 02, 2025	Dec 03, 2025	Dec 04, 2025	Dec 05, 2025	Dec 06, 2025	Dec 07, 2025	Dec 08, 2025	Dec 09, 2025	Dec 02, 2025	Dec 03, 2025	Dec 04, 2025	Dec 05, 2025	Dec 06, 2025	Dec 07, 2025
12:00 PM - 01:00 PM		0.0044	0.0040	0.0033	0.0036	0.0046	0.0033	0.0029	0.0030	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
01:00 PM - 02:00 PM		0.0056	0.0030	0.0029	0.0030	0.0046	0.0028	0.0029	0.0030	0.0044	0.0033	0.0028	0.0030	0.0030	0.0028
02:00 PM - 03:00 PM		0.0046	0.0032	0.0028	0.0027	0.0046	0.0028	0.0029	0.0030	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
03:00 PM - 04:00 PM		0.0054	0.0033	0.0029	0.0027	0.0046	0.0028	0.0029	0.0030	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
04:00 PM - 05:00 PM		0.0035	0.0031	0.0027	0.0032	0.0046	0.0028	0.0029	0.0030	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
05:00 PM - 06:00 PM		0.0021	0.0028	0.0028	0.0038	0.0046	0.0028	0.0029	0.0030	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
06:00 PM - 07:00 PM		0.0029	0.0028	0.0028	0.0046	0.0044	0.0028	0.0029	0.0030	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
07:00 PM - 08:00 PM		0.0031	0.0032	0.0029	0.0042	0.0044	0.0029	0.0029	0.0030	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
08:00 PM - 09:00 PM		0.0030	0.0032	0.0030	0.0048	0.0044	0.0033	0.0029	0.0030	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
09:00 PM - 10:00 PM		0.0032	0.0033	0.0031	0.0065	0.0044	0.0038	0.0033	0.0034	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
10:00 PM - 11:00 PM		0.0034	0.0034	0.0031	0.0057	0.0044	0.0042	0.0039	0.0042	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
11:00 PM - 12:00 AM		0.0035	0.0037	0.0035	0.0055	0.0044	0.0042	0.0039	0.0042	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
12:00 AM - 01:00 AM		0.0041	0.0052	0.0038	0.0063	0.0044	0.0042	0.0039	0.0042	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
01:00 AM - 02:00 AM		0.0048	0.0029	0.0042	0.0066	0.0044	0.0042	0.0039	0.0042	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
02:00 AM - 03:00 AM		0.0061	0.0024	0.0039	0.0062	0.0044	0.0042	0.0039	0.0042	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
03:00 AM - 04:00 AM		0.0054	0.0010	0.0039	0.0053	0.0044	0.0042	0.0039	0.0042	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
04:00 AM - 05:00 AM		0.0052	0.0044	0.0045	0.0062	0.0044	0.0042	0.0039	0.0042	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
05:00 AM - 06:00 AM		0.0059	0.0053	0.0047	0.0054	0.0044	0.0042	0.0039	0.0042	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
06:00 AM - 07:00 AM		0.0075	0.0059	0.0047	0.0050	0.0044	0.0042	0.0039	0.0042	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
07:00 AM - 08:00 AM		0.0067	0.0050	0.0051	0.0049	0.0044	0.0042	0.0039	0.0042	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
08:00 AM - 09:00 AM		0.0062	0.0079	0.0104	0.0065	0.0044	0.0042	0.0039	0.0042	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
09:00 AM - 10:00 AM		0.0017	0.0025	0.0103	0.0089	0.0044	0.0042	0.0039	0.0042	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
10:00 AM - 11:00 AM		0.0019	0.0029	0.0068	0.0066	0.0044	0.0042	0.0039	0.0042	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
11:00 AM - 12:00 PM		0.0032	0.0050	0.0045	0.0049	0.0044	0.0042	0.0039	0.0042	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
Average		0.0043	0.0037	0.0043	0.0051	0.0050	0.0043	0.0039	0.0042	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
1hr - Maximum		0.0075	0.0079	0.0104	0.0089	0.0135	0.0043	0.0039	0.0042	0.0044	0.0033	0.0028	0.0030	0.0030	0.0029
Standard 1hr - Average		0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170	0.170



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: 2599515

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Number: 3436661-1

Page 1 of 1

Sample Description	Air Quality ค่าเฉลี่ย Sulfur Dioxide (ppm)	2599515-1									
		Dec 02, 2025		Dec 03, 2025		Dec 04, 2025		Dec 05, 2025		Dec 06, 2025	
		Time	02:00 PM - 01:00 PM	02:00 PM - 01:00 PM	02:00 PM - 01:00 PM	02:00 PM - 01:00 PM	02:00 PM - 01:00 PM	02:00 PM - 01:00 PM	02:00 PM - 01:00 PM	02:00 PM - 01:00 PM	02:00 PM - 01:00 PM
12:00 PM - 01:00 PM	0.0057		0.0063	0.0054	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
01:00 PM - 02:00 PM	0.0062		0.0061	0.0054	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
02:00 PM - 03:00 PM	0.0075		0.0056	0.0052	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
03:00 PM - 04:00 PM	0.0064		0.0048	0.0045	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047
04:00 PM - 05:00 PM	0.0059		0.0047	0.0043	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047
05:00 PM - 06:00 PM	0.0058		0.0047	0.0043	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047
06:00 PM - 07:00 PM	0.0061		0.0046	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044
07:00 PM - 08:00 PM	0.0059		0.0046	0.0045	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
08:00 PM - 09:00 PM	0.0060		0.0047	0.0045	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
09:00 PM - 10:00 PM	0.0060		0.0049	0.0047	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049
10:00 PM - 11:00 PM	0.0059		0.0049	0.0048	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049
11:00 PM - 12:00 AM	0.0061		0.0051	0.0048	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049
12:00 AM - 01:00 AM	0.0058		0.0050	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
01:00 AM - 02:00 AM	0.0059		0.0050	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047
02:00 AM - 03:00 AM	0.0059		0.0051	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047
03:00 AM - 04:00 AM	0.0058		0.0051	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
04:00 AM - 05:00 AM	0.0058		0.0050	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
05:00 AM - 06:00 AM	0.0059		0.0051	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049
06:00 AM - 07:00 AM	0.0058		0.0051	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
07:00 AM - 08:00 AM	0.0057		0.0051	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049
08:00 AM - 09:00 AM	0.0059		0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051
09:00 AM - 10:00 AM	0.0062		0.0053	0.0052	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
10:00 AM - 11:00 AM	0.0064		0.0054	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053
11:00 AM - 12:00 PM	0.0066		0.0053	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
Average	0.0060		0.0051	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
1hr - Maximum	0.0075		0.0063	0.0054	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049
Standard 1hr - Average	0.3		0.3	0.3	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	0.12	0.12	0.12
Standard											
Reference Method											

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

Approved by

Orawan R.

Orawan Rakying
Scientist (3)

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



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: 2599515

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Number: 3473709-1

Page 1 of 1

Sample Description	Air Quality ค่าเฉลี่ย Sulfur Dioxide (ppm)	2599515-8									
		Dec 02, 2025		Dec 03, 2025		Dec 04, 2025		Dec 05, 2025		Dec 06, 2025	
		Time	02:00 PM - 03:00 PM	02:00 PM - 03:00 PM	02:00 PM - 03:00 PM	02:00 PM - 03:00 PM	02:00 PM - 03:00 PM	02:00 PM - 03:00 PM	02:00 PM - 03:00 PM	02:00 PM - 03:00 PM	02:00 PM - 03:00 PM
02:00 PM - 03:00 PM	0.0049		0.0042	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041
03:00 PM - 04:00 PM	0.0047		0.0041	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042
04:00 PM - 05:00 PM	0.0045		0.0045	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043
05:00 PM - 06:00 PM	0.0045		0.0046	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042
06:00 PM - 07:00 PM	0.0046		0.0045	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043
07:00 PM - 08:00 PM	0.0045		0.0044	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043
08:00 PM - 09:00 PM	0.0044		0.0044	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043
09:00 PM - 10:00 PM	0.0044		0.0044	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043
10:00 PM - 11:00 PM	0.0043		0.0043	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041
11:00 PM - 12:00 AM	0.0043		0.0043	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040
12:00 AM - 01:00 AM	0.0042		0.0042	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040
01:00 AM - 02:00 AM	0.0042		0.0042	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040
02:00 AM - 03:00 AM	0.0041		0.0041	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040
03:00 AM - 04:00 AM	0.0041		0.0041	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040
04:00 AM - 05:00 AM	0.0041		0.0041	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040
05:00 AM - 06:00 AM	0.0042		0.0042	0.0039	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038
06:00 AM - 07:00 AM	0.0041		0.0041	0.0039	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038
07:00 AM - 08:00 AM	0.0042		0.0042	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040
08:00 AM - 09:00 AM	0.0041		0.0041	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039
09:00 AM - 10:00 AM	0.0041		0.0041	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039
10:00 AM - 11:00 AM	0.0041		0.0041	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039
11:00 AM - 12:00 PM	0.0041		0.0041	0.0041	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040
12:00 PM - 01:00 PM	0.0041		0.0041	0.0040	0.0045	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039
01:00 PM - 02:00 PM	0.0041		0.0041	0.0040	0.0042	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039
Average	0.0043		0.0043	0.0041	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040
1hr - Maximum	0.0049		0.0049	0.0043	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
Standard 1hr - Average	0.3		0.3	0.3	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	0.12	0.12	0.12
Standard											
Reference Method											

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

Approved by

Orawan R.

Orawan Rakying
Scientist (3)

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



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: 2599515

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Nu- ber: 34737106L

Page 1 of 1

Sample Description		Air quality									
Location		ชุมชนบ้านหนอง (๔๗ ๐753839, 1554215)									
Parameter	Measurement Date	(ulfur Dioxide Qp-)									
Measurement by		Anuwet Te- a									
Ti- e		255515615 Dec 02, 2025	255515619 Dec 03, 2025	255515617 Dec 04, 2025	255515618 Dec 05, 2025	255515615 Dec 09, 2025	255515600 Dec 07, 2025	255515621 Dec 08, 2025			
11:00 AM 6:12:00 PM		0.0025	0.0015	0.0019	0.0022	0.0023	0.0022	0.0025	0.0025		
12:00 PM 6:01:00 PM		0.0023	0.0017	0.0019	0.0023	0.0022	0.0023	0.0025	0.0025		
01:00 PM 6:02:00 PM		0.0021	0.0015	0.0019	0.0023	0.0023	0.0022	0.0025	0.0025		
02:00 PM 6:03:00 PM		0.0021	0.0021	0.0017	0.0022	0.0023	0.0022	0.0025	0.0025		
03:00 PM 6:04:00 PM		0.0022	0.0015	0.0017	0.0020	0.0023	0.0022	0.0025	0.0025		
04:00 PM 6:05:00 PM		0.0020	0.0018	0.0018	0.0021	0.0022	0.0023	0.0024	0.0024		
05:00 PM 6:09:00 PM		0.0020	0.0018	0.0018	0.0021	0.0021	0.0023	0.0025	0.0025		
06:00 PM 6:07:00 PM		0.0020	0.0017	0.0020	0.0021	0.0024	0.0025	0.0029	0.0029		
07:00 PM 6:08:00 PM		0.0018	0.0017	0.0018	0.0021	0.0023	0.0023	0.0027	0.0027		
08:00 PM 6:05:00 PM		0.0018	0.0018	0.0022	0.0022	0.0023	0.0025	0.0029	0.0029		
09:00 PM 6:10:00 PM		0.0015	0.0018	0.0020	0.0023	0.0023	0.0024	0.0027	0.0027		
10:00 PM 6:11:00 PM		0.0015	0.0017	0.0015	0.0022	0.0022	0.0024	0.0025	0.0025		
11:00 PM 6:12:00 AM		0.0015	0.0017	0.0015	0.0021	0.0022	0.0025	0.0025	0.0025		
12:00 AM 6:01:00 AM		0.0015	0.0018	0.0018	0.0021	0.0023	0.0024	0.0029	0.0029		
01:00 AM 6:02:00 AM		0.0018	0.0017	0.0018	0.0022	0.0022	0.0025	0.0029	0.0029		
02:00 AM 6:03:00 AM		0.0018	0.0018	0.0015	0.0022	0.0022	0.0024	0.0027	0.0027		
03:00 AM 6:04:00 AM		0.0015	0.0017	0.0020	0.0023	0.0021	0.0025	0.0027	0.0027		
04:00 AM 6:05:00 AM		0.0018	0.0017	0.0015	0.0024	0.0023	0.0025	0.0029	0.0029		
05:00 AM 6:09:00 AM		0.0018	0.0017	0.0020	0.0022	0.0022	0.0025	0.0027	0.0027		
06:00 AM 6:07:00 AM		0.0018	0.0017	0.0020	0.0022	0.0022	0.0024	0.0027	0.0027		
07:00 AM 6:08:00 AM		0.0017	0.0019	0.0022	0.0022	0.0023	0.0025	0.0028	0.0028		
08:00 AM 6:05:00 AM		0.0018	0.0019	0.0023	0.0024	0.0022	0.0029	0.0028	0.0028		
09:00 AM 6:10:00 AM		0.0015	0.0019	0.0023	0.0023	0.0023	0.0024	0.0025	0.0025		
10:00 AM 6:11:00 AM		0.0018	0.0019	0.0024	0.0024	0.0023	0.0025	0.0025	0.0025		
Average		0.0020	0.0018	0.0015	0.0022	0.0022	0.0024	0.0029	0.0029		
1hr 6 Maxi- u-		0.0025	0.0021	0.0024	0.0024	0.0024	0.0029	0.0025	0.0025		
(standard 1hr 6Average		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		
(standard 24 hrs 6Average		0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12		
(standard		0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12		
: Notification of the National Environ- ent Board No.10, 1555 (๔.2538), No. 21, 2001 (๔.2544) and No.24, 2004 (๔.2547).											
Reference Method : U.(Environ- ental Protection Agency, EPA Method Part 53 and 58											

Results apply to the sa- ple(s) as sub- itted, unless the sa- pling was conducted by ALS. The report shall not be relied upon for legal or regulatory purposes without the written approval of the laboratory.

Approved by

Orawan R.

Orawan Rakying
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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: 2599515

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Nu- ber: 34737136L

Page 1 of 1

Sample Description	Air quality											
Location	โรงเรียนบ้านหนองก้อ (uffur Dioxide Qp- 9											
Parameter	(uffur Dioxide Qp- 9											
Measurement Date	Dec 02, 2025 6Dec 05, 2025											
Measurement by	Anux et Te- a											
	25551562	255515623	25551564	255515625	255515626	255515627	255515628					
Ti- e	Dec 02, 2025	Dec 03, 2025	Dec 04, 2025	Dec 05, 2025	Dec 0w, 2025	Dec 07, 2025	Dec 08, 2025					
01:00 PM 602:00 PM	0.0024	0.0027	0.002w	0.0025	0.0025	0.0024	0.0025					
02:00 PM 603:00 PM	0.0023	0.0027	0.0027	0.0025	0.0025	0.0024	0.0025					
03:00 PM 604:00 PM	0.0023	0.0027	0.002w	0.0024	0.0024	0.0024	0.0024					
04:00 PM 605:00 PM	0.0023	0.002w	0.002w	0.0024	0.0024	0.0024	0.0024					
05:00 PM 60w:00 PM	0.0023	0.0025	0.0025	0.0024	0.0024	0.0024	0.0024					
06:00 PM 607:00 PM	0.0023	0.0025	0.0025	0.0023	0.0023	0.0024	0.0024					
07:00 PM 608:00 PM	0.0023	0.0025	0.0025	0.0023	0.0023	0.0024	0.0025					
08:00 PM 60S:00 PM	0.0024	0.0025	0.0025	0.0023	0.0023	0.0024	0.0025					
09:00 PM 610:00 PM	0.0024	0.0025	0.0025	0.0023	0.0023	0.0024	0.0025					
10:00 PM 611:00 PM	0.0024	0.0025	0.0025	0.0023	0.0023	0.0024	0.0024					
11:00 PM 612:00 AM	0.0024	0.0025	0.0025	0.0023	0.0023	0.0024	0.0025					
12:00 AM 601:00 AM	0.0024	0.0025	0.0025	0.0023	0.0023	0.0024	0.0024					
01:00 AM 602:00 AM	0.0024	0.0025	0.0024	0.0023	0.0023	0.0024	0.0025					
02:00 AM 603:00 AM	0.0024	0.0025	0.0023	0.0023	0.0023	0.0024	0.0024					
03:00 AM 604:00 AM	0.0024	0.0025	0.0023	0.0023	0.0023	0.0024	0.0024					
04:00 AM 605:00 AM	0.0024	0.0025	0.0023	0.0023	0.0023	0.0024	0.0024					
05:00 AM 60w:00 AM	0.0024	0.0025	0.0023	0.0023	0.0023	0.0024	0.0024					
06:00 AM 607:00 AM	0.0024	0.0025	0.0023	0.0024	0.0023	0.0024	0.0024					
07:00 AM 608:00 AM	0.0023	0.0025	0.0023	0.0024	0.0024	0.0024	0.0022					
08:00 AM 60S:00 AM	0.0023	0.002w	0.0024	0.0024	0.0024	0.0025	0.0023					
09:00 AM 610:00 AM	0.0024	0.002w	0.0024	0.0024	0.0024	0.0025	0.0022					
10:00 AM 611:00 AM	0.002w	0.002w	0.0025	0.0024	0.0025	0.0025	0.0022					
11:00 AM 612:00 PM	0.0027	0.002w	0.0024	0.0024	0.0024	0.0025	0.0024					
12:00 PM 601:00 PM	0.0027	0.002w	0.0024	0.0024	0.0024	0.0025	0.0023					
Average	0.0024	0.002w	0.0024	0.0024	0.0024	0.0024	0.0024					
1hr 6Max)- u-	0.0027	0.0027	0.0027	0.0025	0.0025	0.0025	0.0025					
(standard 1hr 6Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3					
(standard 24 hrs 6Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12					
(standard	0.12	0.12	0.12	0.12	0.12	0.12	0.12					
: Notification of the National Environ- ent Board No.10, 1555 (E.2538), No. 21, 2001 (E.2544) and No.24, 2004 (E.2547).												
Reference Method : U.(Environ- ental Protection Agency, EPA Method Part 53 and 58												

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Approved by

Orawan R.

Orax an Rakying
(chemist Q9)

ADDRESS 10



Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

P/O :

Project Name : Monitoring ETA

Project Name : Incoming Lab
Project Location : GNC

Lot ID: 2599515

Date Received : Dec 12 2025

Date Reported : Dec 17, 2025

Date Reported : DEC 17, 2011
Report Number: 3473716-1

Page 1 of 1

Sample Description		Air Quality													
Location		สถานีควบคุมมลพิษ (GPS 47° 07'N 57° 45'E 1555767)													
Parameter		Sulfur Dioxide (ppm)													
Measurement Date		Dec 02, 2025 - Dec 09, 2025													
Measurement by		Anuwet Tema													
	Time	2599515-36		2599515-37		2599515-38		2599515-39		2599515-40		2599515-41		2599515-42	
		Dec 02, 2025	Dec 03, 2025	Dec 03, 2025	Dec 04, 2025	Dec 04, 2025	Dec 05, 2025	Dec 05, 2025	Dec 06, 2025	Dec 06, 2025	Dec 07, 2025	Dec 07, 2025	Dec 08, 2025	Dec 08, 2025	Dec 08, 2025
	12:00 PM - 01:00 PM	0.0023	0.0013	0.0013	0.0013	0.0011	0.0011	0.0011	0.0013	0.0013	0.0012	0.0012	0.0013	0.0013	0.0013
	01:00 PM - 02:00 PM	0.0021	0.0012	0.0012	0.0016	0.0011	0.0011	0.0011	0.0014	0.0014	0.0012	0.0012	0.0013	0.0013	0.0013
	02:00 PM - 03:00 PM	0.0021	0.0019	0.0019	0.0018	0.0017	0.0015	0.0013	0.0015	0.0015	0.0013	0.0013	0.0014	0.0014	0.0014
	03:00 PM - 04:00 PM	0.0023	0.0016	0.0016	0.0017	0.0015	0.0015	0.0013	0.0015	0.0015	0.0013	0.0013	0.0014	0.0014	0.0014
	04:00 PM - 05:00 PM	0.0023	0.0018	0.0018	0.0017	0.0015	0.0013	0.0013	0.0013	0.0013	0.0021	0.0021	0.0012	0.0012	0.0012
	05:00 PM - 06:00 PM	0.0024	0.0018	0.0018	0.0012	0.0019	0.0019	0.0013	0.0013	0.0020	0.0020	0.0020	0.0012	0.0012	0.0012
	06:00 PM - 07:00 PM	0.0021	0.0017	0.0017	0.0013	0.0016	0.0016	0.0014	0.0014	0.0023	0.0023	0.0023	0.0011	0.0011	0.0011
	07:00 PM - 08:00 PM	0.0023	0.0016	0.0016	0.0013	0.0015	0.0015	0.0013	0.0013	0.0021	0.0021	0.0021	0.0013	0.0013	0.0013
	08:00 PM - 09:00 PM	0.0026	0.0023	0.0023	0.0021	0.0018	0.0018	0.0012	0.0012	0.0021	0.0021	0.0021	0.0013	0.0013	0.0013
	09:00 PM - 10:00 PM	0.0026	0.0021	0.0021	0.0020	0.0011	0.0011	0.0012	0.0012	0.0021	0.0021	0.0021	0.0013	0.0013	0.0013
	10:00 PM - 11:00 PM	0.0019	0.0021	0.0021	0.0019	0.0021	0.0021	0.0012	0.0012	0.0021	0.0021	0.0021	0.0012	0.0012	0.0012
	11:00 PM - 12:00 AM	0.0019	0.0020	0.0020	0.0018	0.0023	0.0023	0.0013	0.0013	0.0012	0.0012	0.0012	0.0016	0.0016	0.0016
	12:00 AM - 01:00 AM	0.0016	0.0020	0.0020	0.0016	0.0023	0.0023	0.0012	0.0012	0.0012	0.0012	0.0012	0.0016	0.0016	0.0016
	01:00 AM - 02:00 AM	0.0016	0.0020	0.0020	0.0018	0.0023	0.0023	0.0012	0.0012	0.0012	0.0012	0.0012	0.0016	0.0016	0.0016
	02:00 AM - 03:00 AM	0.0016	0.0020	0.0020	0.0018	0.0023	0.0023	0.0012	0.0012	0.0012	0.0012	0.0012	0.0016	0.0016	0.0016
	03:00 AM - 04:00 AM	0.0015	0.0019	0.0019	0.0016	0.0023	0.0023	0.0015	0.0015	0.0016	0.0016	0.0016	0.0014	0.0014	0.0014
	04:00 AM - 05:00 AM	0.0015	0.0016	0.0016	0.0016	0.0021	0.0021	0.0015	0.0015	0.0016	0.0016	0.0015	0.0014	0.0014	0.0014
	05:00 AM - 06:00 AM	0.0012	0.0016	0.0016	0.0013	0.0018	0.0018	0.0015	0.0015	0.0016	0.0015	0.0015	0.0014	0.0014	0.0014
	06:00 AM - 07:00 AM	0.0012	0.0012	0.0012	0.0013	0.0015	0.0015	0.0015	0.0015	0.0015	0.0014	0.0014	0.0014	0.0014	0.0014
	07:00 AM - 08:00 AM	0.0016	0.0012	0.0012	0.0013	0.0012	0.0012	0.0012	0.0013	0.0013	0.0015	0.0015	0.0014	0.0014	0.0014
	08:00 AM - 09:00 AM	0.0016	0.0013	0.0013	0.0013	0.0012	0.0012	0.0012	0.0025	0.0025	0.0014	0.0014	0.0013	0.0013	0.0013
	09:00 AM - 10:00 AM	0.0013	0.0013	0.0013	0.0013	0.0012	0.0012	0.0012	0.0023	0.0023	0.0014	0.0014	0.0013	0.0013	0.0013
	10:00 AM - 11:00 AM	0.0012	0.0013	0.0013	0.0012	0.0013	0.0013	0.0013	0.0021	0.0021	0.0014	0.0014	0.0012	0.0012	0.0012
	11:00 AM - 12:00 PM	0.0013	0.0015	0.0015	0.0012	0.0013	0.0013	0.0013	0.0021	0.0021	0.0013	0.0013	0.0012	0.0012	0.0012
	Average	0.0019	0.0016	0.0016	0.0015	0.0016	0.0016	0.0016	0.0015	0.0015	0.0016	0.0016	0.0013	0.0013	0.0013
	1hr - Maximum	0.0026	0.0023	0.0023	0.0021	0.0023	0.0023	0.0023	0.0025	0.0025	0.0023	0.0023	0.0016	0.0016	0.0016
	Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Standard		: Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).													
Reference Method		: U.S. Environmental Protection Agency, EPA Method Part 53 and 58													

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Scientist (3)

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

Lot ID: 2599516

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Number : 3436662-1

P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

Sample Number 2599516-1 to 7

Parameter Wind Speed / Wind Direction

Location ตำบลพิกุล (GPS 47P 0792397, 1554150)

Sampling Date Dec 02 - Dec 09, 2025

Sampling by Anuwat Tema

Page 1 of 2

Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

Lot ID: 2599516

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

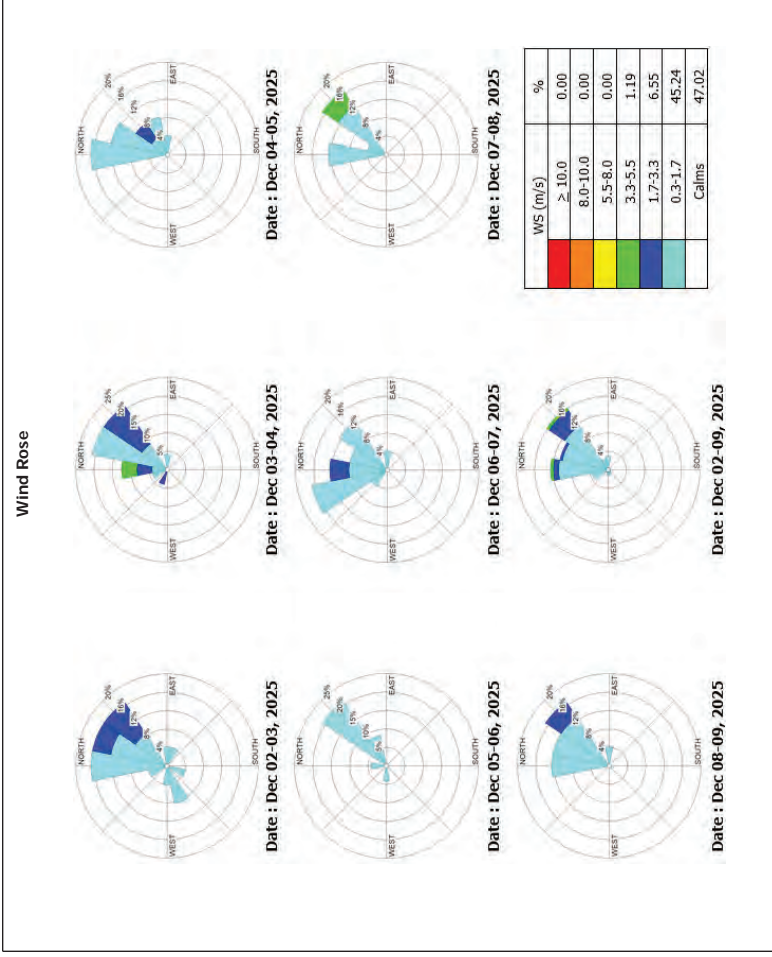
Report Number : 3436662-1

P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

Page 2 of 2



Location : ตำบลพิกุล (GPS 47P 0792397, 1554150)

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

Lot ID: 2599516

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Number : 3436662-1

P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

Sample Number 2599516-8 to 14

Parameter Wind Speed / Wind Direction

Location จันทบุรี (GPS 47P 0792644, 1550250)

Sampling Date Dec 02 - Dec 09, 2025

Sampling by Anuwet Tema

Page 1 of 2

Time	Dec 02 - Dec 03, 2025		Dec 04, 2025		Dec 05, 2025		Dec 06, 2025		Dec 07, 2025		Dec 08, 2025		Dec 09, 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	0.5	66.0	ENE	0.0	-	-	0.0	-	0.0	-	0.0	-	0.0	-
03:00 PM - 04:00 PM	0.4	23.0	NNE	0.7	0.0	N	0.9	315.0	NW	0.5	303.0	WNW	0.3	58.0
04:00 PM - 05:00 PM	0.2	-	-	0.0	-	0.6	315.0	NW	0.0	-	0.4	75.0	ENE	0.2
05:00 PM - 06:00 PM	0.0	-	-	0.0	-	0.2	-	-	1.3	353.0	N	0.0	-	0.6
06:00 PM - 07:00 PM	0.0	-	-	0.0	-	-	-	-	1.9	353.0	N	0.5	75.0	ENE
07:00 PM - 08:00 PM	0.5	51.0	NE	0.0	-	0.7	354.0	N	2.7	352.0	N	1.8	75.0	ENE
08:00 PM - 09:00 PM	0.4	19.0	NNE	0.0	-	0.5	29.0	NNE	2.1	352.0	N	1.0	75.0	ENE
09:00 PM - 10:00 PM	0.0	-	-	0.0	-	-	-	-	0.9	353.0	N	0.0	-	1.1
10:00 PM - 11:00 PM	0.0	-	-	0.0	-	-	-	-	0.9	352.0	N	1.1	75.0	ENE
11:00 PM - 12:00 AM	1.5	74.0	ENE	0.0	-	-	-	-	2.4	352.0	N	0.3	76.0	ENE
12:00 AM - 01:00 AM	0.8	79.0	E	0.0	-	-	-	-	2.2	353.0	N	0.0	-	0.1
01:00 AM - 02:00 AM	0.0	-	-	0.7	279.0	W	0.0	-	-	2.0	352.0	N	0.4	76.0
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	-	-	0.8	315.0	NW	0.7	77.0	ENE
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	-	-	0.4	348.0	NNW	0.4	357.0	N
04:00 AM - 05:00 AM	1.0	65.0	ENE	0.8	7.0	N	0.0	-	-	1.5	106.0	ESE	1.4	48.0
05:00 AM - 06:00 AM	0.0	-	-	0.5	161.0	SSE	0.0	-	-	0.8	149.0	SSE	1.3	93.0
06:00 AM - 07:00 AM	0.3	327.0	NNW	0.6	311.0	NW	0.4	57.0	ENE	0.0	-	-	1.6	352.0
07:00 AM - 08:00 AM	0.0	-	-	0.0	-	-	-	-	0.9	41.0	NE	0.0	-	0.2
08:00 AM - 09:00 AM	0.0	-	-	0.0	-	-	-	-	0.3	335.0	NNW	0.0	-	N
09:00 AM - 10:00 AM	0.0	-	-	0.5	65.0	ENE	0.4	100.0	E	1.1	101.0	E	1.3	56.0
10:00 AM - 11:00 AM	1.0	326.0	NW	0.0	-	-	-	-	0.3	150.0	SSE	0.0	-	0.7
11:00 AM - 12:00 PM	0.0	-	-	1.0	333.0	NNW	0.9	61.0	ENE	2.5	53.0	NE	2.0	119.0
12:00 PM - 01:00 PM	0.9	352.0	N	0.6	70.0	ENE	0.0	-	-	0.5	345.0	NNW	0.0	-
01:00 PM - 02:00 PM	0.5	399.0	NW	1.1	87.0	E	1.4	357.0	N	0.4	353.0	N	0.4	299.0

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayu Jitranont
Assistant General Manager

Location : จันทบุรี (GPS 47P 0792644, 1550250)

Approved by

Sarayu Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

Lot ID: 2599516

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

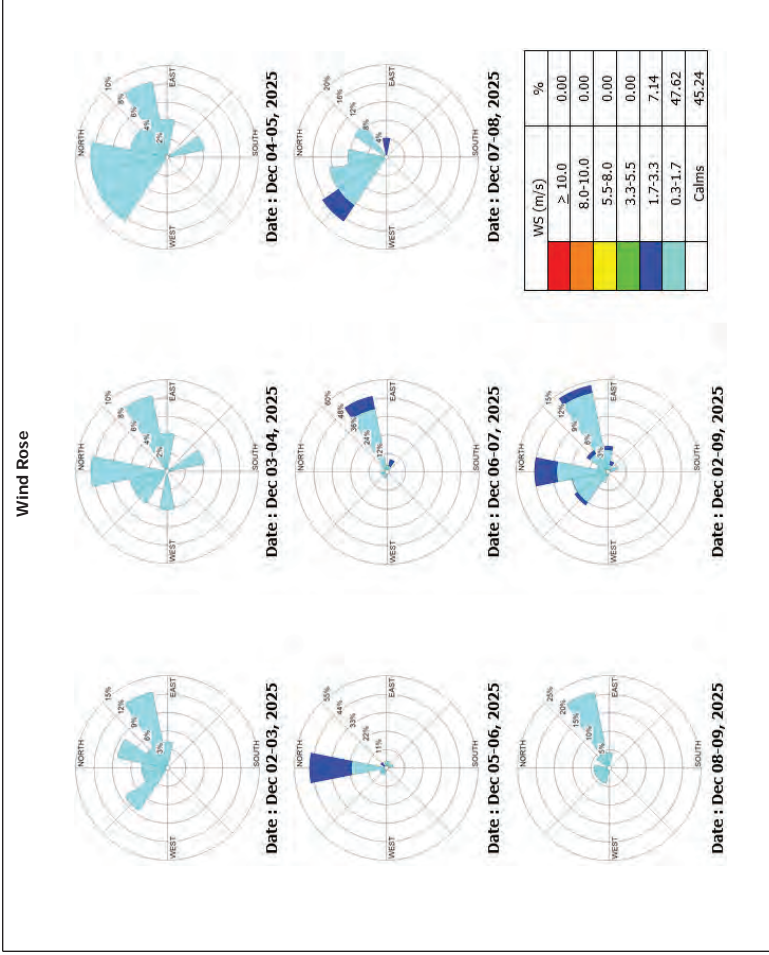
Report Number : 3436662-1

P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

Page 2 of 2



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Approved by

Sarayu Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

Lot ID: 2599516

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Number : 3436662-1

P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

Sample Number 2599516-15 to 21

Parameter Wind Speed / Wind Direction

Location ชลประทานนาบูน (GPS 47P 0793836, 1554219)

Sampling Date Dec 02 - Dec 09, 2025

Sampling by Anuwet Tema

Time	Dec 02 - Dec 03, 2025		Dec 03 - Dec 04, 2025		Dec 04 - Dec 05, 2025		Dec 05 - Dec 06, 2025		Dec 06 - Dec 07, 2025		Dec 07 - Dec 08, 2025		Dec 08 - Dec 09, 2025								
	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)							
11:00 AM - 12:00 PM	0.8	169.0	S	0.6	50.0	NE	1.3	196.0	SSW	1.3	35.0	NE	0.6	79.0	E	1.3	66.0	ENE	0.1	-	
12:00 PM - 01:00 PM	1.5	9.0	N	2.4	72.0	ENE	0.9	39.0	NE	0.9	259.0	W	2.4	99.0	E	1.0	155.0	SSE	0.7	101.0	E
01:00 PM - 02:00 PM	1.4	67.0	ENE	1.3	49.0	NE	1.1	0.0	N	0.5	103.0	ESE	1.6	78.0	ENE	0.9	342.0	NNW	1.5	28.0	NNE
02:00 PM - 03:00 PM	1.4	165.0	SSE	0.8	29.0	NNE	0.6	36.0	NE	0.7	11.0	N	0.9	322.0	NW	1.0	355.0	N	1.5	35.0	NE
03:00 PM - 04:00 PM	0.5	180.0	S	1.7	36.0	NE	1.1	356.0	N	0.9	359.0	N	0.0	-	-	0.0	-	-	0.5	28.0	NNE
04:00 PM - 05:00 PM	0.0	-	-	0.6	355.0	N	0.2	-	0.4	33.0	NNE	0.0	-	0.5	21.0	NNE	0.0	-	0.0	-	-
05:00 PM - 06:00 PM	0.0	-	-	0.0	-	0.0	-	0.0	-	0.0	-	0.2	-	0.0	-	0.0	-	0.0	-	-	-
06:00 PM - 07:00 PM	0.7	321.0	NW	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.1	-	-	0.0	-	-
07:00 PM - 08:00 PM	0.4	27.0	NNE	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.6	337.0	NNW	0.0	-	0.0	-	-
08:00 PM - 09:00 PM	0.0	-	-	0.0	-	3.2	46.0	NE	0.0	-	0.1	-	0.0	-	0.3	333.0	NNW	0.7	28.0	NNE	NNE
09:00 PM - 10:00 PM	0.0	-	-	0.0	-	1.8	24.0	NNE	0.0	-	0.0	-	0.0	-	0.0	-	1.5	55.0	NE	-	NE
10:00 PM - 11:00 PM	0.0	-	-	0.0	-	0.5	310.0	NW	0.0	-	0.0	-	0.0	-	0.0	-	1.9	55.0	NE	-	NE
11:00 PM - 12:00 AM	0.0	-	-	1.1	36.0	NE	1.1	162.0	SSE	0.0	-	0.0	-	0.0	-	0.0	-	2.2	26.0	NNE	NNE
12:00 AM - 01:00 AM	0.0	-	-	0.1	-	0.4	35.0	NE	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	1.8	67.0	ENE
01:00 AM - 02:00 AM	0.0	-	-	3.0	296.0	NNW	0.0	-	0.0	-	0.0	-	1.1	6.0	N	0.6	68.0	ENE	1.9	58.0	ENE
02:00 AM - 03:00 AM	0.0	-	-	1.8	0.0	N	0.0	-	-	2.5	78.0	ENE	0.6	32.0	NNE	0.0	-	-	1.6	32.0	NNE
03:00 AM - 04:00 AM	0.0	-	-	0.7	9.0	N	1.6	13.0	NNE	2.8	44.0	NE	0.0	-	-	0.1	-	-	0.1	-	-
04:00 AM - 05:00 AM	0.5	3.0	N	1.2	5.0	N	0.0	-	-	1.4	76.0	ENE	0.0	-	-	0.9	29.0	NNE	1.1	1.0	N
05:00 AM - 06:00 AM	0.2	-	-	0.8	350.0	N	0.5	56.0	NE	1.1	22.0	NNE	0.3	56.0	NE	1.0	11.0	N	1.2	40.0	NE
06:00 AM - 07:00 AM	0.0	-	-	0.9	28.0	NNE	0.6	39.0	NE	0.4	58.0	ENE	0.0	-	-	0.8	43.0	NE	1.0	67.0	ENE
07:00 AM - 08:00 AM	0.2	-	-	1.0	27.0	NNE	1.2	39.0	NE	0.5	82.0	E	0.9	138.0	SE	1.5	353.0	N	1.9	41.0	NE
08:00 AM - 09:00 AM	0.0	-	-	1.3	60.0	ENE	2.7	23.0	NNE	0.2	-	2.0	3.0	N	1.4	329.0	NNW	1.2	14.0	NNE	NNE
09:00 AM - 10:00 AM	0.6	358.0	N	1.5	31.0	NNE	0.4	60.0	ENE	0.8	25.0	NNE	1.5	26.0	NNE	0.9	13.0	NNE	0.7	21.0	NNE
10:00 AM - 11:00 AM	2.4	2.0	N	0.1	-	0.5	27.0	NNW	1.5	101.0	E	1.7	47.0	NE	0.6	66.0	NNW	0.9	25.0	NNE	NNE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jitranont
Assistant General Manager

Location : ชลประทานนาบูน (GPS 47P 0793836, 1554219)

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

Lot ID: 2599516

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Number : 3436662-1

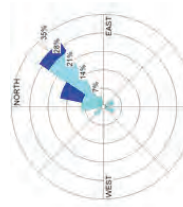
P/O : 4210602461

Project Name : Monitoring EIA

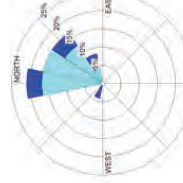
Project Location : GNC

Page 2 of 2

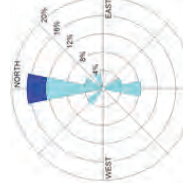
Wind Rose



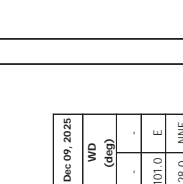
Date : Dec 02-03, 2025



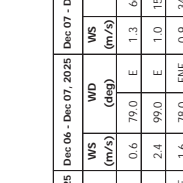
Date : Dec 03-04, 2025



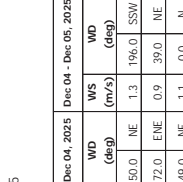
Date : Dec 04-05, 2025



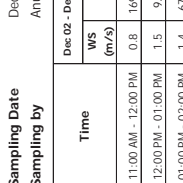
Date : Dec 05-06, 2025



Date : Dec 06-07, 2025



Date : Dec 07-08, 2025



Date : Dec 08-09, 2025

WS (m/s)	%
> 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	10.71
0.3-1.7	49.41
Calm	39.88

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Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

Lot ID: 2599516

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Number : 3436662-1

P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

2599516-22 to 28

Parameter Wind Speed / Wind Direction

Location ไทยนิคมพัฒนา จำกัด (GPS 47P 0788792, 1552723)

Sampling Date Dec 02 - Dec 09, 2025

Sampling by Anuwat Tema

Page 1 of 2

Time		Dec 02 - Dec 03, 2025		Dec 03 - Dec 04, 2025		Dec 04 - Dec 05, 2025		Dec 05 - Dec 06, 2025		Dec 06 - Dec 07, 2025		Dec 07 - Dec 08, 2025		Dec 08 - Dec 09, 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		1.1	168.0	SSE	2.7	106.0	ESE	0.7	40.0	NE	1.1	81.0	E	1.3	12.0	NNE	0.7	65.0	ENE	1.1	91.0	E
02:00 PM - 03:00 PM		1.2	152.0	SSE	0.9	60.0	ENE	0.0	-	-	1.0	39.0	NE	0.8	2.0	N	1.4	36.0	NE	1.2	152.0	SSE
03:00 PM - 04:00 PM		0.9	260.0	W	1.0	72.0	ENE	0.8	111.0	ESE	2.3	49.0	NE	2.3	345.0	NNW	1.6	81.0	E	0.5	158.0	SSE
04:00 PM - 05:00 PM		0.5	254.0	WSW	1.0	130.0	SE	1.4	48.0	NE	0.5	85.0	E	1.5	117.0	ESE	2.0	201.0	SSW	1.7	180.0	S
05:00 PM - 06:00 PM		0.6	245.0	WSW	1.2	93.0	E	1.2	48.0	NE	0.8	58.0	ENE	0.9	78.0	ENE	0.8	331.0	NNW	1.1	270.0	W
06:00 PM - 07:00 PM		0.8	181.0	S	0.7	183.0	S	2.0	50.0	NE	0.7	42.0	NE	0.8	285.0	WNW	0.4	275.0	W	1.7	282.0	WNW
07:00 PM - 08:00 PM		4.6	359.0	N	0.0	-	-	1.4	326.0	NW	0.0	-	-	0.4	20.0	NNE	0.0	-	-	0.5	278.0	W
08:00 PM - 09:00 PM		0.1	-	-	0.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.1	239.0	WSW	0.3	268.0	W
09:00 PM - 10:00 PM		0.0	-	-	0.9	217.0	SW	0.7	260.0	W	0.3	49.0	NE	0.3	343.0	NNW	0.0	-	-	1.2	227.0	SW
10:00 PM - 11:00 PM		0.0	-	-	0.2	-	-	0.4	317.0	NW	0.0	-	-	0.0	-	-	1.0	245.0	WSW	0.0	-	-
11:00 PM - 12:00 AM		0.0	-	-	1.4	342.0	NNW	0.5	1.0	N	0.0	-	-	0.5	45.0	NE	1.0	322.0	NW	0.0	-	-
12:00 AM - 01:00 AM		0.6	22.0	NNE	0.7	123.0	ESE	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	0.0	-	-
01:00 AM - 02:00 AM		0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.4	13.0	NNE
02:00 AM - 03:00 AM		0.0	-	-	1.5	284.0	WNW	0.1	-	-	0.0	-	-	0.3	272.0	W	0.3	311.0	NW	0.0	-	-
03:00 AM - 04:00 AM		1.2	20.0	NNE	2.5	344.0	NNW	0.1	-	-	1.8	0.0	N	0.0	-	-	0.0	-	-	0.2	-	-
04:00 AM - 05:00 AM		0.0	-	-	0.2	-	-	0.0	-	-	2.8	31.0	NNE	0.3	26.0	NNE	0.0	-	-	0.2	-	-
05:00 AM - 06:00 AM		0.2	-	-	0.6	37.0	NE	0.3	52.0	NE	3.4	320.0	NW	0.2	-	-	0.0	-	-	0.0	-	-
06:00 AM - 07:00 AM		0.0	-	-	0.3	310.0	NW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
07:00 AM - 08:00 AM		0.1	-	-	1.7	39.0	NE	0.0	-	-	2.7	17.0	NNE	1.2	137.0	SE	0.7	39.0	NE	0.3	21.0	NNE
08:00 AM - 09:00 AM		0.6	27.0	NNE	0.3	45.0	NE	0.4	106.0	ESE	0.0	-	-	0.2	-	-	0.3	65.0	ENE	0.5	21.0	NNE
09:00 AM - 10:00 AM		1.0	333.0	NNW	3.6	306.0	NW	0.6	68.0	ENE	1.5	37.0	NE	0.3	46.0	NE	0.8	91.0	E	0.2	-	-
10:00 AM - 11:00 AM		1.3	27.0	NNE	0.5	28.0	NNE	1.4	84.0	E	0.9	73.0	ENE	0.0	-	-	1.1	70.0	ENE	0.6	20.0	NNE
11:00 AM - 12:00 PM		1.6	57.0	ENE	0.8	87.0	E	1.1	76.0	ENE	0.0	-	-	0.5	20.0	NNE	1.0	49.0	NE	0.0	-	-
12:00 PM - 01:00 PM		0.1	-	-	1.4	45.0	NE	1.5	65.0	ENE	0.2	-	-	0.0	-	-	0.3	43.0	NE	0.0	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jitranont
Assistant General Manager

Location : ไทยนิคมพัฒนา จำกัด (GPS 47P 0788792, 1552723)

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

Lot ID: 2599516

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Number : 3436662-1

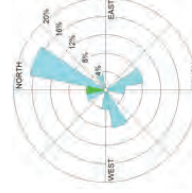
P/O : 4210602461

Project Name : Monitoring EIA

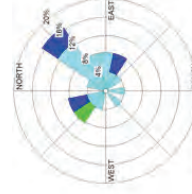
Project Location : GNC

Page 2 of 2

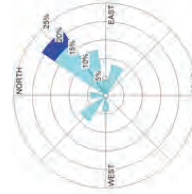
Wind Rose



Date : Dec 02-03, 2025



Date : Dec 03-04, 2025



Date : Dec 04-05, 2025



Date : Dec 05-06, 2025



Date : Dec 06-07, 2025



Date : Dec 07-08, 2025

WS (m/s)	%
> 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	1.79
1.7-3.3	7.14
0.3-1.7	52.38
Calm	38.69

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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

Lot ID: 2599516

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Number : 3436662-1

P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

Sample Number : 2599516-29 to 35

Parameter : Wind Speed / Wind Direction

Location : พื้นที่โครงการ (GPS 47P 0792995, 1553106)

Sampling Date : Dec 02 - Dec 09, 2025

Sampling by : Anuwet Tema

Page 1 of 2

Time	Dec 02 - Dec 03, 2025		Dec 03 - Dec 04, 2025		Dec 04 - Dec 05, 2025		Dec 05 - Dec 06, 2025		Dec 06 - Dec 07, 2025		Dec 07 - Dec 08, 2025		Dec 08 - Dec 09, 2025										
	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)									
10:00 AM - 11:00 AM	0.6	172.0	S	2.4	2.0	N	0.1	-	-	0.5	27.0	NNE	1.5	101.0	E	1.7	47.0	NE	0.6	69.0	ENE	-	-
11:00 AM - 12:00 PM	0.8	169.0	S	0.6	50.0	NE	1.3	196.0	SSW	1.3	35.0	NE	0.6	79.0	E	1.3	66.0	ENE	0.1	-	-	-	-
12:00 PM - 01:00 PM	1.5	9.0	N	2.4	72.0	ENE	0.9	39.0	NE	0.9	259.0	W	2.4	99.0	E	1.0	155.0	SSE	0.7	101.0	E	-	-
01:00 PM - 02:00 PM	1.4	67.0	ENE	1.3	49.0	NE	1.1	0.0	N	0.5	103.0	ESE	1.6	78.0	ENE	0.9	342.0	NNW	1.5	28.0	NNE	-	-
02:00 PM - 03:00 PM	1.4	165.0	SSE	0.8	29.0	NNE	0.6	36.0	NE	0.7	11.0	N	0.9	322.0	NW	1.0	355.0	N	1.5	35.0	NNE	-	-
03:00 PM - 04:00 PM	0.5	180.0	S	1.7	36.0	NE	1.1	356.0	N	0.9	359.0	N	0.0	-	-	-	0.0	-	0.5	28.0	NNE	0.0	-
04:00 PM - 05:00 PM	0.0	-	-	0.6	355.0	N	0.2	-	-	0.4	33.0	NNE	0.0	-	-	-	0.5	21.0	NNE	0.0	-	-	-
05:00 PM - 06:00 PM	0.0	-	-	0.0	-	0.0	-	0.0	-	0.0	-	0.2	-	0.0	-	-	0.0	-	0.0	-	-	-	-
06:00 PM - 07:00 PM	0.7	321.0	NW	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	-	0.1	-	0.0	-	-	-	-
07:00 PM - 08:00 PM	0.4	27.0	NNE	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	-	0.6	337.0	NNW	0.0	-	-	-
08:00 PM - 09:00 PM	0.0	-	-	0.0	-	0.0	-	3.2	46.0	NE	0.0	-	0.1	-	-	-	0.3	333.0	NNW	0.7	28.0	NNE	-
09:00 PM - 10:00 PM	0.0	-	-	0.0	-	0.0	-	1.8	24.0	NNE	0.0	-	0.0	-	-	-	0.0	-	1.5	55.0	NE	-	-
10:00 PM - 11:00 PM	0.0	-	-	0.0	-	0.0	-	0.5	310.0	NW	0.0	-	0.0	-	0.0	-	0.0	-	1.9	55.0	NE	-	-
11:00 PM - 12:00 AM	0.0	-	-	1.1	36.0	NE	1.1	162.0	SSE	0.0	-	0.0	-	0.0	-	-	0.0	-	2.2	26.0	NNE	-	-
12:00 AM - 01:00 AM	0.0	-	-	0.1	-	0.0	-	0.4	35.0	NE	0.0	-	0.0	-	0.0	-	0.0	-	1.8	67.0	ENE	-	-
01:00 AM - 02:00 AM	0.0	-	-	3.0	296.0	WNW	0.0	-	0.0	-	0.0	-	1.1	6.0	N	0.6	68.0	ENE	1.9	58.0	ENE	-	-
02:00 AM - 03:00 AM	0.0	-	-	1.8	0.0	N	0.0	-	-	2.5	78.0	ENE	0.6	32.0	NNE	0.0	-	-	1.6	32.0	NNE	-	-
03:00 AM - 04:00 AM	0.0	-	-	0.7	9.0	N	1.6	13.0	NNE	2.8	44.0	NE	0.0	-	-	-	0.1	-	0.1	-	-	-	-
04:00 AM - 05:00 AM	0.5	3.0	N	1.2	5.0	N	0.0	-	-	1.4	76.0	ENE	0.0	-	-	-	0.9	29.0	NNE	1.1	1.0	N	-
05:00 AM - 06:00 AM	0.2	-	-	0.8	350.0	N	0.5	56.0	NE	1.1	22.0	NNE	0.3	56.0	NE	1.0	11.0	N	1.2	40.0	NE	-	-
06:00 AM - 07:00 AM	0.0	-	-	0.9	28.0	NNE	0.6	39.0	NE	0.4	58.0	ENE	0.0	-	-	-	0.8	43.0	NE	1.0	67.0	ENE	-
07:00 AM - 08:00 AM	0.2	-	-	1.0	27.0	NNE	1.2	39.0	NE	0.5	82.0	E	0.9	138.0	SE	1.5	353.0	N	1.9	41.0	NE	-	-
08:00 AM - 09:00 AM	0.0	-	-	1.3	60.0	ENE	2.7	23.0	NNE	0.2	-	-	2.0	3.0	N	1.4	329.0	NNW	1.2	14.0	NNE	-	-
09:00 AM - 10:00 AM	0.6	358.0	N	1.5	31.0	NNE	0.4	60.0	ENE	0.8	25.0	NNE	1.5	26.0	NNE	0.9	0.0	N	0.7	21.0	NNE	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jitranont

Assistant General Manager

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Approved by

Sarayuth Jitranont

Assistant General Manager

Location : พื้นที่โครงการ (GPS 47P 0792995, 1553106)

Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

Lot ID: 2599516

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Number : 3436662-1

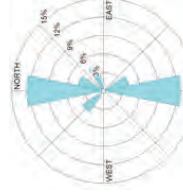
P/O : 4210602461

Project Name : Monitoring EIA

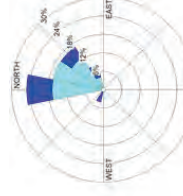
Project Location : GNC

Page 2 of 2

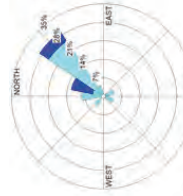
Wind Rose



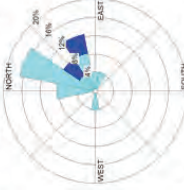
Date : Dec 02-03, 2025



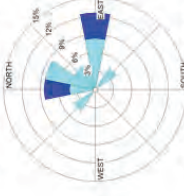
Date : Dec 03-04, 2025



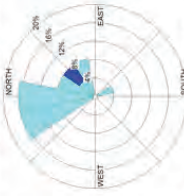
Date : Dec 04-05, 2025



Date : Dec 05-06, 2025



Date : Dec 06-07, 2025



Date : Dec 07-08, 2025

WS (m/s)	%
> 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	10.71
0.3-1.7	49.41
Calm	39.88

Date : Dec 02-09, 2025

Date : Dec 08-09, 2025

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

Lot ID: 2599516

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Number : 3436662-1

P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

Sample Number 2599516-36 to 42

Parameter Wind Speed / Wind Direction

Location ทุ่งนาบ้านนาเจริญ (GPS 47P 0790574, 1555767)

Sampling Date Dec 02 - Dec 09, 2025

Sampling by Anuwet Tema

Page 1 of 2

Time	Dec 02 - Dec 03, 2025		Dec 03 - Dec 04, 2025		Dec 04 - Dec 05, 2025		Dec 05 - Dec 06, 2025		Dec 06 - Dec 07, 2025		Dec 07 - Dec 08, 2025		Dec 08 - Dec 09, 2025									
	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)								
12:00 PM - 01:00 PM	0.8	324.0	NW	-	-	1.0	76.0	ENE	0.6	23.0	NNE	2.9	333.0	NNW	1.8	106.0	ESE	-	-			
01:00 PM - 02:00 PM	1.3	58.0	ENE	0.9	64.0	ENE	1.9	13.0	NNE	0.2	-	-	1.3	99.0	E	2.7	12.0	NNE	0.7	342.0	NNW	
02:00 PM - 03:00 PM	1.3	69.0	ENE	1.0	61.0	ENE	0.7	58.0	ENE	0.7	54.0	NE	1.0	241.0	WSW	1.9	86.0	E	1.9	88.0	E	
03:00 PM - 04:00 PM	1.8	257.0	WSW	1.4	5.0	N	0.7	45.0	NE	0.4	66.0	ENE	0.8	161.0	SSE	0.6	356.0	N	2.2	344.0	NNW	
04:00 PM - 05:00 PM	0.0	-	-	0.0	-	-	0.0	-	1.5	39.0	NE	0.0	-	-	-	0.5	26.0	NNE	0.8	126.0	SE	
05:00 PM - 06:00 PM	1.7	258.0	WSW	0.0	-	-	0.0	-	0.0	-	0.0	-	0.4	27.0	NNE	0.0	-	0.4	14.0	NNE	-	
06:00 PM - 07:00 PM	0.0	-	-	0.0	-	-	0.0	-	0.0	-	0.0	-	-	0.2	-	-	1.2	14.0	NNE	0.2	-	
07:00 PM - 08:00 PM	0.8	288.0	NNW	0.0	-	-	0.0	-	0.0	-	0.0	-	0.8	7.0	N	0.8	0.0	N	0.7	30.0	NNE	
08:00 PM - 09:00 PM	0.5	290.0	NNW	0.0	-	0.4	129.0	SE	0.0	-	1.1	20.0	NNE	1.0	37.0	NE	1.1	35.0	NE	1.1	35.0	NE
09:00 PM - 10:00 PM	0.0	-	-	1.9	10.0	N	1.7	64.0	ENE	0.0	-	0.0	-	-	0.4	25.0	NNE	0.8	29.0	NNE	-	
10:00 PM - 11:00 PM	0.9	294.0	NNW	0.2	-	-	0.3	78.0	ENE	0.0	-	0.9	359.0	N	0.5	71.0	ENE	0.5	67.0	ENE	-	
11:00 PM - 12:00 AM	1.0	295.0	NNW	0.0	-	-	0.0	-	0.0	-	0.0	-	0.9	8.0	N	2.4	40.0	NE	0.4	34.0	NE	
12:00 AM - 01:00 AM	0.8	327.0	NNW	0.5	40.0	NE	0.3	90.0	E	0.5	53.0	NE	0.9	57.0	ENE	0.4	37.0	NE	1.0	56.0	NE	
01:00 AM - 02:00 AM	0.3	353.0	N	2.0	78.0	ENE	0.0	-	0.0	-	0.0	-	0.4	68.0	ENE	1.8	61.0	ENE	0.1	-	-	
02:00 AM - 03:00 AM	0.1	-	1.4	102.0	ESE	0.5	65.0	ENE	0.4	11.0	N	0.3	43.0	NE	0.9	354.0	N	0.9	67.0	ENE	-	
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	2.0	23.0	NNE	0.2	-	-	0.5	86.0	E	0.5	49.0	NE	0.4	35.0	NE	
04:00 AM - 05:00 AM	0.9	354.0	N	1.9	68.0	ENE	0.0	-	2.2	33.0	NNE	0.0	-	-	0.7	359.0	N	3.4	44.0	NE	-	
05:00 AM - 06:00 AM	1.0	353.0	N	1.2	120.0	ESE	0.4	110.0	ESE	1.5	119.0	ESE	0.6	27.0	NNE	0.4	357.0	N	2.1	87.0	E	
06:00 AM - 07:00 AM	0.0	-	-	1.3	41.0	NE	0.0	-	0.9	44.0	NE	0.6	70.0	ENE	1.2	57.0	ENE	0.8	327.0	NNW	-	
07:00 AM - 08:00 AM	0.0	-	-	3.5	28.0	NNE	0.0	-	1.7	7.0	N	0.4	49.0	NE	2.9	22.0	NNE	4.3	81.0	E	-	
08:00 AM - 09:00 AM	0.2	-	-	2.5	15.0	NNE	2.9	87.0	E	1.6	97.0	E	2.0	9.0	N	1.2	21.0	NNE	3.2	125.0	SE	
09:00 AM - 10:00 AM	0.0	-	-	3.3	81.0	E	2.1	59.0	ENE	3.0	52.0	NE	1.9	34.0	NE	1.2	1.0	N	2.1	24.0	NNE	
10:00 AM - 11:00 AM	1.7	36.0	NE	2.7	30.0	NNE	1.0	5.0	N	0.6	9.0	N	1.5	36.0	NE	0.9	346.0	NNW	1.6	16.0	NNE	
11:00 AM - 12:00 PM	0.0	-	-	2.6	134.0	SE	0.8	36.0	NE	2.9	11.0	N	0.9	334.0	NNW	0.8	68.0	ENE	1.2	339.0	NNW	

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jitranont
Assistant General Manager

Location : ทุ่งนาบ้านนาเจริญ (GPS 47P 0790574, 1555767)

Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

Lot ID: 2599516

Date Received : Dec 12, 2025

Date Reported : Dec 17, 2025

Report Number : 3436662-1

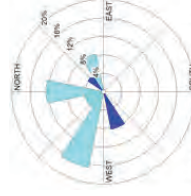
P/O : 4210602461

Project Name : Monitoring EIA

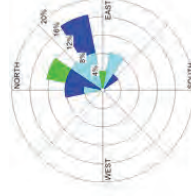
Project Location : GNC

Page 2 of 2

Wind Rose



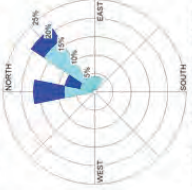
Date : Dec 03-03, 2025



Date : Dec 03-04, 2025



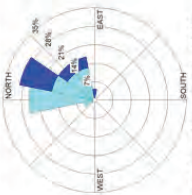
Date : Dec 03-05, 2025



Date : Dec 03-06, 2025



Date : Dec 03-07, 2025



Date : Dec 03-08, 2025

WS (m/s)	%
> 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	2.38
1.7-3.3	19.64
0.3-1.7	51.19
Calms	26.79

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Approved by

Sarayuth Jitranont
Assistant General Manager

ภาคผนวก ค-2

คุณภาพอากาศจากปล่องระบาย



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599522
Date Received : Dec 03, 2025
Date Reported : Dec 11, 2025
Report Number: 3436668-1

Page 1 of 2

Sample Number 2599522-1
Sampled Date Dec 03, 2025
Sample Description Emission from Stationary Source
Location แปลง HRSG 11
Date Analysis Commenced Dec 04, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	14.6	%
Ambient Temperature	30.3	°C	Shape	Circle		Carbon Dioxide	3.8	%
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	16.0	m/s
Type of Fuel	Natural Gas		Moisture	6.56	%	Flow Rate (Actual O2)	365307	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂ at 14.6 % O ₂		Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	01:40 PM - 02:28 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. 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. No part of this report may be reproduced in any form without written consent from the laboratory.
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14494-21/ EMAIL

S:\Reports\Air Stack_O2_2GL.rpt (6:29PM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599522
Date Received : Dec 03, 2025
Date Reported : Dec 11, 2025
Report Number: 3436668-1

Page 2 of 2

Sample Number 2599522-1
Sampled Date Dec 03, 2025
Sample Description Emission from Stationary Source
Location แปลง HRSG 11
Date Analysis Commenced Dec 04, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	14.6	%
Ambient Temperature	30.3	°C	Shape	Circle		Carbon Dioxide	3.8	%
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	16.0	m/s
Type of Fuel	Natural Gas		Moisture	6.56	%	Flow Rate (Actual O2)	365307	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	01:40 PM - 02:28 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 : Suphanut Pisaipan ทะเบียนเลขที่ ว-323-จ-0018

Remark :

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

Technical Management

Thanita K.

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

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. No part of this report may be reproduced in any form without written consent from the laboratory.
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14494-21/ EMAIL

S:\Reports\Air Stack_O2_2GL.rpt (6:29PM)



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599520
Date Received :Dec 04, 2025
Date Reported :Dec 16, 2025
Report Number :3436667-1

Page 1 of 1

Sample Number	2599520-1						
Sample Description	Emission from Stationary Source						
Location	ปล่อง HRSG 11						
Sampled Date	Dec 03, 2025						
Stack Description							
Ambient Temperature	30.3 °C	Diameter	3.35 m	Oxygen	14.55 %		
Ambient Pressure	757.3 mmHg	Shape	Circle	Carbon dioxide	3.83 %		
Type of Process	Combustion	Stack Temperature	113 °C	Gas Velocity	16.00 m/s		
Type of Fuel	Natural Gas	Moisture	6.49 %	Flow Rate	365164 Nm3/hr		

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂
1	01:40 PM - 02:00 PM	14.55	3.83	23.31	51.02	0.09	0.19
2	02:01 PM - 02:21 PM	14.55	3.83	23.53	51.50	0.10	0.23
3	02:22 PM - 02:42 PM	14.54	3.83	23.66	51.71	0.10	0.21
Average (ppm)		14.55	3.83	23.50	51.41	0.10	0.21
Guideline ^{1/} (ppm)				-	60	-	6
Guideline ^{2/} (ppm)				-	120	-	20
Result (mg/Nm ³)				44.21	96.72	0.25	0.55
Emission Rate at Actual O ₂ (g/s)				4.4847		0.0255	
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
Manager
ทะเบียนเลขที่ ว-204-ค-0006

Approved by


Sarayuth Jitranont
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 : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599520
Date Received :Dec 04, 2025
Date Reported :Dec 16, 2025
Report Number :3436667-1

Page 1 of 1

Sample Number	2599520-1							
Sample Description	Emission from Stationary Source							
Location	ปล่อง HRSG 11							
Sampled Date	Dec 03, 2025							
Stack Description								
Ambient Temperature	30.3	°C	Diameter	3.35	m	Oxygen	14.55	%
Ambient Pressure	757.3	mmHg	Shape	Circle		Carbon dioxide	3.83	%
Type of Process	Combustion		Stack Temperature	113	°C	Gas Velocity	16.00	m/s
Type of Fuel	Natural Gas		Moisture	6.49	%	Flow Rate	365164	Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Carbon Monoxide (ppm)	
				at Actual O ₂	At 7% O ₂
1	01:40 PM - 02:00 PM	14.55	3.83	87.03	190.47
2	02:01 PM - 02:21 PM	14.55	3.83	86.52	189.37
3	02:22 PM - 02:42 PM	14.54	3.83	86.23	188.47
Average (ppm)		14.55	3.83	86.59	189.44
Guideline (ppm)				-	690
Result (mg/Nm ³)				99.17	216.94
Emission Rate at Actual O ₂ (g/s)				10.0588	
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
Manager
ทะเบียนเลขที่ ว-204-ค-0006

Approved by


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

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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 : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599523
Date Received : Dec 03, 2025
Date Reported : Dec 11, 2025
Report Number: 3436669-1

Page 1 of 2

Sample Number 2599523-1
Sampled Date Dec 03, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Date Analysis Commenced Dec 04, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	14.3	%
Ambient Temperature	30.3	°C	Shape	Circle		Carbon Dioxide	3.6	%
Type of Process	Combustion		Stack Temperature	112	°C	Gas Velocity	16.2	m/s
Type of Fuel	Natural Gas		Moisture	9.54	%	Flow Rate (Actual O2)	358851	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Result at 14.3 % O ₂	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	11:00 AM - 11:48 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.

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

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. No part of this report may be reproduced in any form without written consent from the laboratory.
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S:\Reports\Air Stack_O2_2GL.rpt (6:33PM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599523
Date Received : Dec 03, 2025
Date Reported : Dec 11, 2025
Report Number: 3436669-1

Page 2 of 2

Sample Number 2599523-1
Sampled Date Dec 03, 2025
Sample Description Emission from Stationary Source
Location ปล่อง HRSG 12
Date Analysis Commenced Dec 04, 2025
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	757	mmHg	Diameter	3.35	m	Oxygen	14.3	%
Ambient Temperature	30.3	°C	Shape	Circle		Carbon Dioxide	3.6	%
Type of Process	Combustion		Stack Temperature	112	°C	Gas Velocity	16.2	m/s
Type of Fuel	Natural Gas		Moisture	9.54	%	Flow Rate (Actual O2)	358851	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	11:00 AM - 11:48 AM	g/s	-	-	<0.050	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 : Jittakorn Sriwasa ทะเบียนเลขที่ ว-323-จ-0007

Remark :

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

Technical Management

Thanita K.

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

Approved by

D. Changchon

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

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S:\Reports\Air Stack_O2_2GL.rpt (6:33PM)



Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599521
Date Received :Dec 03, 2025
Date Reported :Dec 16, 2025
Report Number :3436666-1

Page 1 of 1

Sample Number

2599521-1

Sample Description

Emission from Stationary Source

Location

ปล่อง HRSG 12

Sampled Date

Dec 03, 2025

Stack Description

Ambient Temperature

30.3 °C

Diameter

3.35 m

Oxygen

14.30 %

Ambient Pressure

757.3 mmHg

Shape

Circle

Carbon dioxide

3.55 %

Type of Process

Combustion

Stack Temperature

112 °C

Gas Velocity

16.18 m/s

Type of Fuel

Natural Gas

Moisture

9.60 %

Flow Rate

358144 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	11:00 AM - 11:20 AM	14.31	3.55	18.86	39.79	0.22	0.46
2	11:21 AM - 11:41 AM	14.30	3.55	19.66	41.42	0.24	0.50
3	11:42 AM - 12:02 PM	14.29	3.55	19.37	40.75	0.26	0.54
Average (ppm)		14.30	3.55	19.30	40.65	0.24	0.50
Guideline ¹ (ppm)				-	60	-	6
Guideline ² (ppm)				-	120	-	20
Result (mg/Nm ³)				36.30	76.49	0.62	1.31
Emission Rate at Actual O ₂ (g/s)				3.6117		0.0619	
Guideline ¹ (g/s)				7.40		1.00	
Method				US EPA Method 7E		US EPA Method 6C	

Sampled By : Saksit Phaisanphisit


Guideline : ¹Environmental Impact Assessment Report of Gulf NC Co., Ltd.

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

Technical Management


Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-0006

Approved by


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 : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599521
Date Received :Dec 03, 2025
Date Reported :Dec 16, 2025
Report Number :3436666-1

Page 1 of 1

Sample Number	2599521-1						
Sample Description	Emission from Stationary Source						
Location	ปล่อง HRSG 12						
Sampled Date	Dec 03, 2025						
Stack Description							
Ambient Temperature	30.3 °C	Diameter	3.35 m	Oxygen	14.30 %		
Ambient Pressure	757.3 mmHg	Shape	Circle	Carbon dioxide	3.55 %		
Type of Process	Combustion	Stack Temperature	112 °C	Gas Velocity	16.18 m/s		
Type of Fuel	Natural Gas	Moisture	9.60 %	Flow Rate	358144 Nm3/hr		
	Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Carbon Monoxide (ppm)		
					at Actual O ₂	At 7% O ₂	
	1	11:00 AM - 11:20 AM	14.31	3.55	1.33	2.81	
	2	11:21 AM - 11:41 AM	14.30	3.55	1.17	2.46	
	3	11:42 AM - 12:02 PM	14.29	3.55	1.12	2.36	
	Average (ppm)		14.30	3.55	1.21	2.54	
	Guideline (ppm)				-	690	
	Result (mg/Nm ³)				1.38	2.91	
	Emission Rate at Actual O ₂ (g/s)				0.1373		
	Method				US EPA Method 10		

Sampled By : Saksit Phaisanphisit

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

Technical Management


Wichan Choonharat
Manager
ทะเบียนเลขที่ ว-204-ค-0006

Approved by


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 : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599518
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report Number: 3473469-1

Page 1 of 1

Sample Number	2599518-1		
Parameter	Noise (Leq 24 hrs.)		
Location	พื้นที่โครงการ (บริเวณชั้นรั้วโครงการ ด้านทิศตะวันตก) (GPS 47P 0792778, 1552935)		
Measurement Date	Dec 02 - Dec 03, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 233183		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	54.2	70.0	53.3
11:00 AM - 12:00 PM	57.7	67.6	53.6
12:00 PM - 01:00 PM	56.7	60.7	55.8
01:00 PM - 02:00 PM	56.4	61.2	55.3
02:00 PM - 03:00 PM	56.3	59.5	55.6
03:00 PM - 04:00 PM	56.4	60.2	55.8
04:00 PM - 05:00 PM	59.8	72.9	56.7
05:00 PM - 06:00 PM	59.7	69.2	57.8
06:00 PM - 07:00 PM	58.3	66.5	57.5
07:00 PM - 08:00 PM	58.4	60.4	57.9
08:00 PM - 09:00 PM	58.5	63.1	57.9
09:00 PM - 10:00 PM	58.2	74.6	57.7
10:00 PM - 11:00 PM	58.2	67.0	55.4
11:00 PM - 12:00 AM	56.3	79.6	54.8
12:00 AM - 01:00 AM	55.6	69.1	54.9
01:00 AM - 02:00 AM	55.3	59.5	54.6
02:00 AM - 03:00 AM	55.6	60.4	54.9
03:00 AM - 04:00 AM	56.4	64.2	55.7
04:00 AM - 05:00 AM	57.1	65.2	56.4
05:00 AM - 06:00 AM	56.5	64.4	55.5
06:00 AM - 07:00 AM	55.2	61.8	54.2
07:00 AM - 08:00 AM	54.3	60.6	53.7
08:00 AM - 09:00 AM	54.6	62.1	53.8
09:00 AM - 10:00 AM	54.7	63.7	53.9
Leq Average 24 hrs. (dB(A))	57.0		
Lmax (dB(A))		79.6	
L90 (dB(A))			55.4
Ldn (dB(A))	62.9		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป			
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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 Salamteeh
Section Head

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14494-21/ EMAIL

S:\Reports_Air Noise rpt (3:10PM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599518
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report Number: 3473470-1

Page 1 of 1

Sample Number	2599518-2		
Parameter	Noise (Leq 24 hrs.)		
Location	พื้นที่โครงการ (บริเวณชั้นรั้วโครงการ ด้านทิศตะวันตก) (GPS 47P 0792778, 1552935)		
Measurement Date	Dec 03 - Dec 04, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 233183		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	54.6	59.8	53.8
11:00 AM - 12:00 PM	57.6	67.6	54.0
12:00 PM - 01:00 PM	57.4	62.1	56.4
01:00 PM - 02:00 PM	57.3	61.2	56.3
02:00 PM - 03:00 PM	57.2	62.3	56.3
03:00 PM - 04:00 PM	57.2	62.1	56.4
04:00 PM - 05:00 PM	60.7	75.2	57.3
05:00 PM - 06:00 PM	59.6	84.2	58.5
06:00 PM - 07:00 PM	59.2	77.3	58.5
07:00 PM - 08:00 PM	58.8	64.8	58.2
08:00 PM - 09:00 PM	58.2	62.0	57.6
09:00 PM - 10:00 PM	58.6	76.9	57.8
10:00 PM - 11:00 PM	58.4	68.5	55.4
11:00 PM - 12:00 AM	55.8	67.8	54.9
12:00 AM - 01:00 AM	55.5	61.9	54.7
01:00 AM - 02:00 AM	56.1	72.3	54.9
02:00 AM - 03:00 AM	56.3	66.8	55.1
03:00 AM - 04:00 AM	56.6	67.2	55.4
04:00 AM - 05:00 AM	58.4	70.2	57.1
05:00 AM - 06:00 AM	56.8	70.4	55.0
06:00 AM - 07:00 AM	56.2	73.3	54.9
07:00 AM - 08:00 AM	56.8	71.1	55.0
08:00 AM - 09:00 AM	57.2	77.1	54.8
09:00 AM - 10:00 AM	56.6	76.8	54.6
Leq Average 24 hrs. (dB(A))	57.6		
Lmax (dB(A))		84.2	
L90 (dB(A))			55.4
Ldn (dB(A))	63.4		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป			
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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 Salamteeh
Section Head

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S:\Reports_Air Noise rpt (3:10PM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599518
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report Number: 3473471-1

Page 1 of 1

Sample Number	2599518-3		
Parameter	Noise (Leq 24 hrs.)		
Location	พื้นที่โครงการ (บริเวณชั้นรั้วโครงการ ด้านทิศตะวันตก) (GPS 47P 0792778, 1552935)		
Measurement Date	Dec 04 - Dec 05, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 233183		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.3	72.4	54.4
11:00 AM - 12:00 PM	58.2	66.1	54.6
12:00 PM - 01:00 PM	57.7	64.4	56.8
01:00 PM - 02:00 PM	57.4	62.0	56.6
02:00 PM - 03:00 PM	57.4	64.1	56.6
03:00 PM - 04:00 PM	57.5	61.6	56.7
04:00 PM - 05:00 PM	59.6	72.2	57.6
05:00 PM - 06:00 PM	58.8	70.4	57.9
06:00 PM - 07:00 PM	58.0	66.8	57.4
07:00 PM - 08:00 PM	57.8	64.9	57.1
08:00 PM - 09:00 PM	57.9	62.7	57.1
09:00 PM - 10:00 PM	58.2	71.3	57.2
10:00 PM - 11:00 PM	57.5	76.6	54.7
11:00 PM - 12:00 AM	55.3	61.9	54.5
12:00 AM - 01:00 AM	55.1	66.2	54.4
01:00 AM - 02:00 AM	55.0	61.9	54.3
02:00 AM - 03:00 AM	55.9	75.5	55.0
03:00 AM - 04:00 AM	56.9	70.3	55.4
04:00 AM - 05:00 AM	57.2	63.1	56.2
05:00 AM - 06:00 AM	56.5	71.6	55.4
06:00 AM - 07:00 AM	56.0	61.1	55.3
07:00 AM - 08:00 AM	55.4	60.5	54.7
08:00 AM - 09:00 AM	55.3	70.4	54.2
09:00 AM - 10:00 AM	55.2	69.4	54.4
Leq Average 24 hrs. (dB(A))	57.1		
Lmax (dB(A))		80.3	
L90 (dB(A))			55.4
Ldn (dB(A))	62.9		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป			
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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 Salamteeh
Section Head

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S:\Reports_Air Noise rpt (3:10PM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599518
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report Number: 3473472-1

Page 1 of 1

Sample Number	2599518-4		
Parameter	Noise (Leq 24 hrs.)		
Location	พื้นที่โครงการ (บริเวณชั้นรั้วโครงการ ด้านทิศตะวันตก) (GPS 47P 0792778, 1552935)		
Measurement Date	Dec 05 - Dec 06, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 233183		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	55.0	60.9	54.3
11:00 AM - 12:00 PM	55.3	81.8	54.5
12:00 PM - 01:00 PM	55.7	69.7	54.2
01:00 PM - 02:00 PM	55.1	63.6	54.4
02:00 PM - 03:00 PM	55.1	65.5	54.4
03:00 PM - 04:00 PM	55.3	60.6	54.4
04:00 PM - 05:00 PM	60.7	72.5	59.0
05:00 PM - 06:00 PM	60.7	68.1	59.8
06:00 PM - 07:00 PM	59.8	64.0	59.2
07:00 PM - 08:00 PM	59.0	63.6	58.5
08:00 PM - 09:00 PM	60.3	71.0	59.5
09:00 PM - 10:00 PM	58.1	75.4	56.2
10:00 PM - 11:00 PM	56.3	62.6	55.6
11:00 PM - 12:00 AM	54.5	73.8	55.7
12:00 AM - 01:00 AM	56.5	67.6	55.8
01:00 AM - 02:00 AM	56.3	66.4	55.5
02:00 AM - 03:00 AM	56.1	65.3	55.2
03:00 AM - 04:00 AM	56.3	63.4	55.3
04:00 AM - 05:00 AM	56.9	69.9	55.9
05:00 AM - 06:00 AM	56.4	63.0	55.2
06:00 AM - 07:00 AM	55.5	68.1	54.7
07:00 AM - 08:00 AM	55.2	64.7	54.4
08:00 AM - 09:00 AM	55.0	60.9	54.2
09:00 AM - 10:00 AM	54.9	72.9	54.1
Leq Average 24 hrs. (dB(A))	57.2		
Lmax (dB(A))		81.8	
L90 (dB(A))			55.2
Ldn (dB(A))	62.9		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป			
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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 Salamteeh
Section Head

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S:\Reports_Air Noise rpt (3:10PM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599518
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report Number: 3473473-1

Page 1 of 1

Sample Number	2599518-5		
Parameter	Noise (Leq 24 hrs.)		
Location	พื้นที่โครงการ (บริเวณชั้นรั้วโครงการ ด้านทิศตะวันตก) (GPS 47P 0792778, 1552935)		
Measurement Date	Dec 06 - Dec 07, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 233183		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	54.9	58.8	54.1
11:00 AM - 12:00 PM	57.7	65.1	54.3
12:00 PM - 01:00 PM	58.5	63.5	57.1
01:00 PM - 02:00 PM	57.6	62.4	56.8
02:00 PM - 03:00 PM	57.7	63.1	56.9
03:00 PM - 04:00 PM	57.6	62.2	56.8
04:00 PM - 05:00 PM	58.7	71.1	57.4
05:00 PM - 06:00 PM	61.0	64.2	59.5
06:00 PM - 07:00 PM	59.3	63.7	58.8
07:00 PM - 08:00 PM	58.9	60.8	58.8
08:00 PM - 09:00 PM	58.8	74.1	58.4
09:00 PM - 10:00 PM	58.9	64.8	58.3
10:00 PM - 11:00 PM	58.6	66.0	56.4
11:00 PM - 12:00 AM	56.5	69.7	55.8
12:00 AM - 01:00 AM	56.3	68.4	55.6
01:00 AM - 02:00 AM	56.5	60.5	55.8
02:00 AM - 03:00 AM	56.5	64.5	55.9
03:00 AM - 04:00 AM	57.2	62.9	56.1
04:00 AM - 05:00 AM	58.5	64.0	57.5
05:00 AM - 06:00 AM	57.1	62.7	55.8
06:00 AM - 07:00 AM	55.9	68.3	54.8
07:00 AM - 08:00 AM	60.1	93.7	54.2
08:00 AM - 09:00 AM	55.2	61.8	54.4
09:00 AM - 10:00 AM	65.8	82.7	54.7
Leq Average 24 hrs. (dB(A))	58.8		
Lmax (dB(A))		93.7	
L90 (dB(A))			56.1
Ldn (dB(A))	64.0		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป			
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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

Supt S
Supt Salameh
Section Head

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S:\Reports_Air Noise rpt (3:13PM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599518
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report Number: 3473474-1

Page 1 of 1

Sample Number	2599518-6		
Parameter	Noise (Leq 24 hrs.)		
Location	พื้นที่โครงการ (บริเวณชั้นรั้วโครงการ ด้านทิศตะวันตก) (GPS 47P 0792778, 1552935)		
Measurement Date	Dec 07 - Dec 08, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 233183		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	57.1	71.2	54.2
11:00 AM - 12:00 PM	54.8	66.0	53.8
12:00 PM - 01:00 PM	54.5	65.2	53.7
01:00 PM - 02:00 PM	54.6	63.4	53.7
02:00 PM - 03:00 PM	54.6	64.3	53.8
03:00 PM - 04:00 PM	54.7	71.8	53.8
04:00 PM - 05:00 PM	61.5	77.3	57.0
05:00 PM - 06:00 PM	61.4	79.5	59.9
06:00 PM - 07:00 PM	59.4	67.0	58.8
07:00 PM - 08:00 PM	59.4	62.3	58.8
08:00 PM - 09:00 PM	59.7	63.3	59.0
09:00 PM - 10:00 PM	56.9	73.8	55.2
10:00 PM - 11:00 PM	55.8	67.4	55.1
11:00 PM - 12:00 AM	58.4	67.1	55.3
12:00 AM - 01:00 AM	56.1	64.3	55.4
01:00 AM - 02:00 AM	55.8	60.7	55.2
02:00 AM - 03:00 AM	55.7	59.5	55.0
03:00 AM - 04:00 AM	56.2	63.7	55.4
04:00 AM - 05:00 AM	57.2	71.2	56.3
05:00 AM - 06:00 AM	56.6	66.9	55.1
06:00 AM - 07:00 AM	56.1	69.0	54.9
07:00 AM - 08:00 AM	56.5	70.7	54.6
08:00 AM - 09:00 AM	56.9	73.7	54.7
09:00 AM - 10:00 AM	56.5	73.8	54.6
Leq Average 24 hrs. (dB(A))	57.5		
Lmax (dB(A))		79.5	
L90 (dB(A))			55.1
Ldn (dB(A))	63.2		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป			
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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

Supt S
Supt Salameh
Section Head

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S:\Reports_Air Noise rpt (3:14PM)



Analysis / Test Report



TESTING
No.0042

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599518
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report Number: 3473475-1

Page 1 of 1

Sample Number	2599518-7		
Parameter	Noise (Leq 24 hrs.)		
Location	พื้นที่โครงการ (บริเวณชั้นรั้วโครงการ ด้านทิศตะวันตก) (GPS 47P 0792778, 1552935)		
Measurement Date	Dec 08 - Dec 09, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 233183		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.1	71.1	54.4
11:00 AM - 12:00 PM	57.8	73.2	54.3
12:00 PM - 01:00 PM	58.2	70.2	56.8
01:00 PM - 02:00 PM	57.5	68.6	56.5
02:00 PM - 03:00 PM	57.4	70.9	56.5
03:00 PM - 04:00 PM	57.4	67.7	56.5
04:00 PM - 05:00 PM	58.6	69.6	57.0
05:00 PM - 06:00 PM	59.3	66.6	58.0
06:00 PM - 07:00 PM	58.5	66.8	57.9
07:00 PM - 08:00 PM	58.2	80.1	57.4
08:00 PM - 09:00 PM	58.3	81.2	57.3
09:00 PM - 10:00 PM	58.0	61.6	57.0
10:00 PM - 11:00 PM	57.3	66.2	54.5
11:00 PM - 12:00 AM	54.7	60.4	54.0
12:00 AM - 01:00 AM	55.0	67.3	54.1
01:00 AM - 02:00 AM	55.1	71.4	54.1
02:00 AM - 03:00 AM	55.4	64.6	54.4
03:00 AM - 04:00 AM	55.8	71.6	54.8
04:00 AM - 05:00 AM	57.2	69.7	56.0
05:00 AM - 06:00 AM	56.6	66.2	54.9
06:00 AM - 07:00 AM	55.3	64.7	54.3
07:00 AM - 08:00 AM	55.8	72.7	54.4
08:00 AM - 09:00 AM	56.7	71.5	54.6
09:00 AM - 10:00 AM	55.9	70.7	53.8
Leq Average 24 hrs. (dB(A))	57.1		
Lmax (dB(A))		81.2	
L90 (dB(A))			54.8
Ldn (dB(A))	62.6		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป			
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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

Supt S
Supt Salameh
Section Head

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S:\Reports_Air Noise rpt (3:14PM)



Analysis / Test Report



TESTING
No.0042

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: 2599519
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report Number: 3473496-1

Page 1 of 1

Sample Number	2599519-1		
Parameter	Noise (Leq 24 hrs.)		
Location	โรงสีบ้านหนองนาถ (GPS 47P 0791572, 1552710)		
Measurement Date	Dec 02 - Dec 03, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 1222716		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	56.7	76.7	37.7
02:00 PM - 03:00 PM	56.4	84.8	39.7
03:00 PM - 04:00 PM	55.4	76.5	44.0
04:00 PM - 05:00 PM	50.3	72.5	42.5
05:00 PM - 06:00 PM	48.6	71.2	43.6
06:00 PM - 07:00 PM	50.5	70.8	47.5
07:00 PM - 08:00 PM	50.7	70.1	47.6
08:00 PM - 09:00 PM	48.5	64.1	46.6
09:00 PM - 10:00 PM	47.5	62.2	45.8
10:00 PM - 11:00 PM	48.3	69.4	45.7
11:00 PM - 12:00 AM	47.4	77.1	44.0
12:00 AM - 01:00 AM	46.8	71.6	44.0
01:00 AM - 02:00 AM	50.3	76.9	43.9
02:00 AM - 03:00 AM	44.5	60.0	43.3
03:00 AM - 04:00 AM	45.0	66.3	43.4
04:00 AM - 05:00 AM	45.5	67.8	43.9
05:00 AM - 06:00 AM	50.5	79.1	43.1
06:00 AM - 07:00 AM	48.4	66.7	43.5
07:00 AM - 08:00 AM	51.3	74.7	43.0
08:00 AM - 09:00 AM	46.7	72.1	39.8
09:00 AM - 10:00 AM	47.1	66.5	39.1
10:00 AM - 11:00 AM	46.5	68.4	37.8
11:00 AM - 12:00 PM	45.1	63.1	38.3
12:00 PM - 01:00 PM	46.6	72.1	37.1
Leq Average 24 hrs. (dB(A))	50.5		
Lmax (dB(A))		84.8	
L90 (dB(A))			43.4
Ldn (dB(A))	55.1		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป			
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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

Supt S
Supt Salameh
Section Head

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S:\Reports_Air Noise rpt (3:42PM)



Analysis / Test Report



TESTING
No.0042

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: 2599519
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report Number: 3473497-1

Page 1 of 1

Sample Number	2599519-2		
Parameter	Noise (Leq 24 hrs.)		
Location	โรงเรียนบ้านหนองขาม (GPS 47P 0791572, 1552710)		
Measurement Date	Dec 03 - Dec 04, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 1222716		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	51.2	86.8	39.9
02:00 PM - 03:00 PM	55.3	77.2	40.5
03:00 PM - 04:00 PM	55.5	71.7	45.5
04:00 PM - 05:00 PM	51.3	75.1	41.0
05:00 PM - 06:00 PM	53.5	84.8	39.2
06:00 PM - 07:00 PM	48.1	69.6	42.5
07:00 PM - 08:00 PM	49.4	68.4	47.4
08:00 PM - 09:00 PM	47.6	60.7	46.0
09:00 PM - 10:00 PM	46.1	65.0	44.7
10:00 PM - 11:00 PM	46.7	66.2	44.6
11:00 PM - 12:00 AM	46.2	62.6	44.8
12:00 AM - 01:00 AM	47.9	68.4	44.0
01:00 AM - 02:00 AM	44.9	55.0	43.0
02:00 AM - 03:00 AM	47.4	75.9	43.3
03:00 AM - 04:00 AM	45.5	66.5	43.0
04:00 AM - 05:00 AM	46.8	61.4	43.3
05:00 AM - 06:00 AM	49.3	70.7	43.2
06:00 AM - 07:00 AM	51.5	73.6	43.5
07:00 AM - 08:00 AM	54.7	81.6	45.0
08:00 AM - 09:00 AM	50.0	68.3	43.9
09:00 AM - 10:00 AM	48.3	64.8	43.5
10:00 AM - 11:00 AM	46.8	62.8	41.8
11:00 AM - 12:00 PM	46.7	69.6	41.2
12:00 PM - 01:00 PM	51.3	85.6	39.8
Leq Average 24 hrs. (dB(A))	50.5		
Lmax (dB(A))		86.8	
L90 (dB(A))			43.3
Ldn (dB(A))	55.0		
Standard (dB(A))	70	115	
Reference Method	: ISO 1996-1 : 2016		
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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

Supt S
Supt Salameh
Section Head

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S:\Reports_Air Noise rpt (6:25PM)



Analysis / Test Report



TESTING
No.0042

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: 2599519
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report Number: 3473498-1

Page 1 of 1

Sample Number	2599519-3		
Parameter	Noise (Leq 24 hrs.)		
Location	โรงเรียนบ้านหนองขาม (GPS 47P 0791572, 1552710)		
Measurement Date	Dec 04 - Dec 05, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 1222716		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	49.6	71.7	42.4
02:00 PM - 03:00 PM	51.7	72.2	43.8
03:00 PM - 04:00 PM	53.5	75.9	43.5
04:00 PM - 05:00 PM	51.0	82.7	40.9
05:00 PM - 06:00 PM	52.7	86.6	41.6
06:00 PM - 07:00 PM	49.8	65.9	46.8
07:00 PM - 08:00 PM	49.8	62.4	46.9
08:00 PM - 09:00 PM	50.9	71.2	49.2
09:00 PM - 10:00 PM	48.6	61.7	44.5
10:00 PM - 11:00 PM	45.2	64.1	43.2
11:00 PM - 12:00 AM	45.3	65.9	43.0
12:00 AM - 01:00 AM	46.5	69.6	44.2
01:00 AM - 02:00 AM	46.8	74.7	44.3
02:00 AM - 03:00 AM	44.9	52.8	43.7
03:00 AM - 04:00 AM	53.3	76.5	41.3
04:00 AM - 05:00 AM	57.1	81.8	46.8
05:00 AM - 06:00 AM	48.0	80.1	44.1
06:00 AM - 07:00 AM	49.2	79.7	45.4
07:00 AM - 08:00 AM	48.7	71.9	44.3
08:00 AM - 09:00 AM	45.9	68.1	41.5
09:00 AM - 10:00 AM	44.7	69.9	39.5
10:00 AM - 11:00 AM	44.4	65.4	39.0
11:00 AM - 12:00 PM	46.6	70.4	38.0
12:00 PM - 01:00 PM	43.2	66.1	37.5
Leq Average 24 hrs. (dB(A))	50.1		
Lmax (dB(A))		86.6	
L90 (dB(A))			43.5
Ldn (dB(A))	57.0		
Standard (dB(A))	70	115	
Reference Method	: ISO 1996-1 : 2016		
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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

Supt S
Supt Salameh
Section Head

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S:\Reports_Air Noise rpt (3:46PM)



Analysis / Test Report



TESTING
No.0042

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: 2599519
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report Number: 3473499-1

Page 1 of 1

Sample Number	2599519-4		
Parameter	Noise (Leq 24 hrs.)		
Location	โรงเรียนบ้านหนองขามชัย (GPS 47P 0791572, 1552710)		
Measurement Date	Dec 05 - Dec 06, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 1222716		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	43.1	68.3	36.7
02:00 PM - 03:00 PM	47.0	71.0	37.3
03:00 PM - 04:00 PM	45.6	74.0	37.5
04:00 PM - 05:00 PM	46.3	69.6	41.3
05:00 PM - 06:00 PM	44.9	64.0	41.2
06:00 PM - 07:00 PM	49.5	68.8	44.5
07:00 PM - 08:00 PM	51.6	77.8	48.5
08:00 PM - 09:00 PM	52.3	70.5	48.7
09:00 PM - 10:00 PM	52.3	76.3	47.2
10:00 PM - 11:00 PM	47.8	58.7	44.7
11:00 PM - 12:00 AM	47.0	59.4	44.6
12:00 AM - 01:00 AM	49.1	65.6	45.7
01:00 AM - 02:00 AM	46.0	56.8	43.3
02:00 AM - 03:00 AM	44.5	60.9	42.6
03:00 AM - 04:00 AM	44.7	62.4	43.2
04:00 AM - 05:00 AM	44.0	53.8	42.5
05:00 AM - 06:00 AM	51.7	69.6	43.9
06:00 AM - 07:00 AM	50.3	70.0	44.4
07:00 AM - 08:00 AM	51.6	73.8	44.1
08:00 AM - 09:00 AM	46.7	77.1	39.4
09:00 AM - 10:00 AM	46.6	77.9	38.5
10:00 AM - 11:00 AM	42.5	61.7	37.3
11:00 AM - 12:00 PM	48.7	70.0	37.7
12:00 PM - 01:00 PM	44.8	65.8	38.8
Leq Average 24 hrs. (dB(A))	48.5		
Lmax (dB(A))		77.9	
L90 (dB(A))			42.6
Ldn (dB(A))	54.5		
Standard (dB(A))	70	115	
Reference Method	: ISO 1996-1 : 2016		
Standard	: 1. ประกาศคณะกรรมการกาสีสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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

Supt S
Supt Salameh
Section Head

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S:\Reports_Air Noise rpt (3:46PM)



Analysis / Test Report



TESTING
No.0042

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: 2599519
Date Received : Dec 12, 2025
Date Reported : Dec 18, 2025
Report Number: 3473500-1

Page 1 of 1

Sample Number	2599519-5		
Parameter	Noise (Leq 24 hrs.)		
Location	โรงเรียนบ้านหนองขาม (GPS 47P 0791572, 1552710)		
Measurement Date	Dec 06 - Dec 07, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 1222716		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	47.2	75.4	37.6
02:00 PM - 03:00 PM	48.0	74.6	37.4
03:00 PM - 04:00 PM	45.1	73.2	37.4
04:00 PM - 05:00 PM	46.0	67.7	37.8
05:00 PM - 06:00 PM	51.3	77.3	41.2
06:00 PM - 07:00 PM	50.1	71.2	47.1
07:00 PM - 08:00 PM	50.2	68.5	49.0
08:00 PM - 09:00 PM	49.3	60.2	48.5
09:00 PM - 10:00 PM	49.1	71.7	47.5
10:00 PM - 11:00 PM	47.9	64.1	46.8
11:00 PM - 12:00 AM	47.6	62.6	46.1
12:00 AM - 01:00 AM	48.2	67.1	45.1
01:00 AM - 02:00 AM	47.8	63.1	45.2
02:00 AM - 03:00 AM	51.4	69.6	46.9
03:00 AM - 04:00 AM	49.3	70.1	45.7
04:00 AM - 05:00 AM	54.2	71.7	47.6
05:00 AM - 06:00 AM	53.7	72.7	47.9
06:00 AM - 07:00 AM	50.5	74.1	45.7
07:00 AM - 08:00 AM	48.4	66.4	41.9
08:00 AM - 09:00 AM	51.9	83.7	39.6
09:00 AM - 10:00 AM	48.1	70.8	39.0
10:00 AM - 11:00 AM	49.1	69.3	41.1
11:00 AM - 12:00 PM	47.5	69.4	38.9
12:00 PM - 01:00 PM	48.4	77.2	37.9
Leq Average 24 hrs. (dB(A))	49.8		
Lmax (dB(A))		83.7	
L90 (dB(A))			45.1
Ldn (dB(A))	57.0		
Standard (dB(A))	70	115	
Reference Method	: ISO 1996-1 : 2016		
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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

Supt S
Supt Salameh
Section Head

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S:\Reports_Air Noise rpt (3:26PM)



Analysis / Test Report



TESTING
No.0042

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: 2599519
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report Number: 3473501-1

Page 1 of 1

Sample Number	2599519-6		
Parameter	Noise (Leq 24 hrs.)		
Location	โรงโม่หินบ้านหนองขาม (GPS 47P 0791572, 1552710)		
Measurement Date	Dec 07 - Dec 08, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 1222716		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	44.5	68.3	37.2
02:00 PM - 03:00 PM	47.7	72.5	39.4
03:00 PM - 04:00 PM	50.8	72.6	37.8
04:00 PM - 05:00 PM	48.3	71.4	39.7
05:00 PM - 06:00 PM	47.6	70.8	40.5
06:00 PM - 07:00 PM	50.7	70.2	47.0
07:00 PM - 08:00 PM	49.8	69.0	48.4
08:00 PM - 09:00 PM	48.4	60.4	47.3
09:00 PM - 10:00 PM	47.3	65.6	45.2
10:00 PM - 11:00 PM	44.7	62.2	42.9
11:00 PM - 12:00 AM	46.3	72.9	42.6
12:00 AM - 01:00 AM	44.3	63.0	42.0
01:00 AM - 02:00 AM	43.0	59.9	41.2
02:00 AM - 03:00 AM	42.2	54.7	40.9
03:00 AM - 04:00 AM	42.3	66.1	40.0
04:00 AM - 05:00 AM	42.1	65.3	40.3
05:00 AM - 06:00 AM	50.2	71.8	41.4
06:00 AM - 07:00 AM	48.4	67.5	42.8
07:00 AM - 08:00 AM	54.4	79.2	45.6
08:00 AM - 09:00 AM	52.8	73.3	43.6
09:00 AM - 10:00 AM	61.6	93.0	43.6
10:00 AM - 11:00 AM	49.2	69.4	43.5
11:00 AM - 12:00 PM	49.9	70.9	42.0
12:00 PM - 01:00 PM	49.1	67.0	42.3
Leq Average 24 hrs. (dB(A))	51.2		
Lmax (dB(A))		93.0	
L90 (dB(A))			42.0
Ldn (dB(A))	54.2		
Standard (dB(A))	70	115	
Reference Method	: ISO 1996-1 : 2016		
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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)

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Supt Salameh
Section Head

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S:\Reports\Air Noise rpt (4.29PM)



Analysis / Test Report



TESTING
No.0042

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: 2599519
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report Number: 3473501-1

Page 1 of 1

Sample Number	2599519-7		
Parameter	Noise (Leq 24 hrs.)		
Location	โรงหินบ้านหนองขาม (GPS 47P 0791572, 1552710)		
Measurement Date	Dec 08 - Dec 09, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 1222716		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	48.8	70.9	42.0
02:00 PM - 03:00 PM	54.8	73.1	45.9
03:00 PM - 04:00 PM	54.1	74.6	44.9
04:00 PM - 05:00 PM	53.4	74.3	45.5
05:00 PM - 06:00 PM	55.9	83.8	41.0
06:00 PM - 07:00 PM	52.9	74.7	39.9
07:00 PM - 08:00 PM	52.4	78.4	42.3
08:00 PM - 09:00 PM	46.7	57.2	45.4
09:00 PM - 10:00 PM	47.5	69.7	44.6
10:00 PM - 11:00 PM	44.6	64.6	42.7
11:00 PM - 12:00 AM	43.4	56.2	42.2
12:00 AM - 01:00 AM	43.7	65.0	41.9
01:00 AM - 02:00 AM	43.3	58.4	41.4
02:00 AM - 03:00 AM	42.6	60.4	40.9
03:00 AM - 04:00 AM	42.3	62.8	40.3
04:00 AM - 05:00 AM	43.4	59.8	40.8
05:00 AM - 06:00 AM	51.3	72.2	43.4
06:00 AM - 07:00 AM	48.8	71.1	43.6
07:00 AM - 08:00 AM	51.8	78.0	43.9
08:00 AM - 09:00 AM	48.8	72.0	42.5
09:00 AM - 10:00 AM	52.9	78.5	43.3
10:00 AM - 11:00 AM	54.1	84.5	45.2
11:00 AM - 12:00 PM	55.5	81.1	45.9
12:00 PM - 01:00 PM	54.1	75.0	46.2
Leq Average 24 hrs. (dB(A))	51.5		
Lmax (dB(A))		84.5	
L90 (dB(A))			42.7
Ldn (dB(A))	54.4		
Standard (dB(A))	70	115	
Reference Method	: ISO 1996-1 : 2016		
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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

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Supt Salameh
Section Head

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S:\Reports\Air Noise rpt (4.29PM)



Analysis / Test Report



TESTING
No.0042

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: 2599519
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report Number: 3473503-1

Page 1 of 1

Sample Number	2599519-8		
Parameter	Noise (Leq 24 hrs.)		
Location	โรงโม่หิน (GPS 47P 0792400, 1554211)		
Measurement Date	Dec 02 - Dec 03, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 1222723		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	39.5	62.0	34.0
01:00 PM - 02:00 PM	39.8	64.8	33.9
02:00 PM - 03:00 PM	40.7	71.4	33.7
03:00 PM - 04:00 PM	38.9	57.5	34.3
04:00 PM - 05:00 PM	53.0	79.4	37.0
05:00 PM - 06:00 PM	59.6	86.6	45.0
06:00 PM - 07:00 PM	48.4	72.4	45.1
07:00 PM - 08:00 PM	48.2	78.2	42.2
08:00 PM - 09:00 PM	44.0	71.1	41.3
09:00 PM - 10:00 PM	44.5	71.0	40.9
10:00 PM - 11:00 PM	42.7	61.9	40.2
11:00 PM - 12:00 AM	39.9	65.2	37.4
12:00 AM - 01:00 AM	42.8	71.7	37.3
01:00 AM - 02:00 AM	40.3	54.0	36.8
02:00 AM - 03:00 AM	39.7	71.1	35.9
03:00 AM - 04:00 AM	42.4	62.8	37.0
04:00 AM - 05:00 AM	46.0	69.8	37.6
05:00 AM - 06:00 AM	45.7	66.3	39.4
06:00 AM - 07:00 AM	50.4	74.3	39.9
07:00 AM - 08:00 AM	46.0	68.3	37.4
08:00 AM - 09:00 AM	46.1	69.2	37.9
09:00 AM - 10:00 AM	50.6	69.1	39.8
10:00 AM - 11:00 AM	46.4	73.9	36.7
11:00 AM - 12:00 PM	48.2	70.6	37.1
Leq Average 24 hrs. (dB(A))	49.0		
Lmax (dB(A))		86.6	
L90 (dB(A))			37.4
Ldn (dB(A))	52.6		
Standard (dB(A))	70	115	
Reference Method	: ISO 1996-1 : 2016		
Standard	: 1. ประกาศคณะกรรมการกาสีสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise rpt (4.29PM)



Analysis / Test Report



TESTING
No.0042

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: 2599519
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report Number: 3473504-1

Page 1 of 1

Sample Number	2599519-9		
Parameter	Noise (Leq 24 hrs.)		
Location	โรงโม่หิน (GPS 47P 0792400, 1554211)		
Measurement Date	Dec 03 - Dec 04, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 1222723		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	45.5	69.3	36.6
01:00 PM - 02:00 PM	47.6	73.2	36.8
02:00 PM - 03:00 PM	47.8	69.1	36.9
03:00 PM - 04:00 PM	45.1	71.1	37.3
04:00 PM - 05:00 PM	44.9	68.5	35.6
05:00 PM - 06:00 PM	45.0	64.5	37.2
06:00 PM - 07:00 PM	44.7	62.4	39.8
07:00 PM - 08:00 PM	45.8	66.7	39.2
08:00 PM - 09:00 PM	41.4	64.0	37.9
09:00 PM - 10:00 PM	39.9	65.7	37.3
10:00 PM - 11:00 PM	40.0	62.8	37.3
11:00 PM - 12:00 AM	41.3	64.2	37.7
12:00 AM - 01:00 AM	46.2	71.8	40.1
01:00 AM - 02:00 AM	46.7	61.0	41.9
02:00 AM - 03:00 AM	50.0	76.2	43.9
03:00 AM - 04:00 AM	49.3	70.3	43.2
04:00 AM - 05:00 AM	48.2	62.2	43.1
05:00 AM - 06:00 AM	51.3	73.2	43.2
06:00 AM - 07:00 AM	54.6	85.2	47.0
07:00 AM - 08:00 AM	54.5	80.3	47.6
08:00 AM - 09:00 AM	55.4	78.4	48.2
09:00 AM - 10:00 AM	52.9	71.2	47.1
10:00 AM - 11:00 AM	49.3	67.7	43.6
11:00 AM - 12:00 PM	45.9	71.9	39.9
Leq Average 24 hrs. (dB(A))	49.4		
Lmax (dB(A))		85.2	
L90 (dB(A))			39.8
Ldn (dB(A))	55.8		
Standard (dB(A))	70	115	
Reference Method	: ISO 1996-1 : 2016		
Standard	: 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป 2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise rpt (4.29PM)



Analysis / Test Report



TESTING
No.0042

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: 2599519
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report Number: 3473505-1

Page 1 of 1

Sample Number	2599519-10		
Parameter	Noise (Leq 24 hrs.)		
Location	วัดช้างค้ำ (GPS 47P 0792400, 1554211)		
Measurement Date	Dec 04 - Dec 05, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 1222723		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	47.3	70.5	36.9
01:00 PM - 02:00 PM	50.9	77.3	36.9
02:00 PM - 03:00 PM	46.5	74.1	35.8
03:00 PM - 04:00 PM	46.8	64.8	37.7
04:00 PM - 05:00 PM	52.1	75.9	36.2
05:00 PM - 06:00 PM	44.0	65.0	37.8
06:00 PM - 07:00 PM	45.7	66.5	39.3
07:00 PM - 08:00 PM	39.5	62.7	37.7
08:00 PM - 09:00 PM	43.2	69.0	37.4
09:00 PM - 10:00 PM	45.9	68.6	38.8
10:00 PM - 11:00 PM	46.3	83.2	38.3
11:00 PM - 12:00 AM	40.2	62.5	36.6
12:00 AM - 01:00 AM	45.0	74.0	36.2
01:00 AM - 02:00 AM	38.8	62.7	35.6
02:00 AM - 03:00 AM	47.6	73.5	35.4
03:00 AM - 04:00 AM	60.3	86.6	49.1
04:00 AM - 05:00 AM	46.7	77.5	39.4
05:00 AM - 06:00 AM	52.0	80.2	39.2
06:00 AM - 07:00 AM	50.3	79.4	40.4
07:00 AM - 08:00 AM	48.8	75.7	40.1
08:00 AM - 09:00 AM	53.4	76.9	41.6
09:00 AM - 10:00 AM	50.0	71.3	40.4
10:00 AM - 11:00 AM	49.8	71.1	40.2
11:00 AM - 12:00 PM	48.1	73.3	37.8
Leq Average 24 hrs. (dB(A))	50.4		
Lmax (dB(A))		86.6	
L90 (dB(A))			37.8
Ldn (dB(A))	58.4		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป			
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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

Supt S
Supt Salameh
Section Head

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S:\Reports\Air Noise rpt (4:35PM)



Analysis / Test Report



TESTING
No.0042

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: 2599519
Date Received : Dec 12, 2025
Date Reported : Dec 17, 2025
Report Number: 3473505-1

Page 1 of 1

Sample Number	2599519-11		
Parameter	Noise (Leq 24 hrs.)		
Location	วัดช้างค้ำ (GPS 47P 0792400, 1554211)		
Measurement Date	Dec 05 - Dec 06, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 1222723		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	47.3	75.3	36.5
01:00 PM - 02:00 PM	46.9	76.0	36.6
02:00 PM - 03:00 PM	55.6	82.0	37.5
03:00 PM - 04:00 PM	42.8	67.0	36.7
04:00 PM - 05:00 PM	43.5	60.9	37.3
05:00 PM - 06:00 PM	48.8	83.3	36.6
06:00 PM - 07:00 PM	46.2	70.6	41.1
07:00 PM - 08:00 PM	46.1	67.3	40.5
08:00 PM - 09:00 PM	47.7	70.6	38.2
09:00 PM - 10:00 PM	44.3	61.8	37.4
10:00 PM - 11:00 PM	42.8	66.0	36.8
11:00 PM - 12:00 AM	44.8	75.5	36.4
12:00 AM - 01:00 AM	39.9	64.3	35.9
01:00 AM - 02:00 AM	41.9	64.6	36.0
02:00 AM - 03:00 AM	44.0	66.8	37.0
03:00 AM - 04:00 AM	46.3	71.2	42.1
04:00 AM - 05:00 AM	46.2	63.1	41.4
05:00 AM - 06:00 AM	49.4	70.7	41.8
06:00 AM - 07:00 AM	49.3	74.9	42.4
07:00 AM - 08:00 AM	47.1	67.4	39.7
08:00 AM - 09:00 AM	44.5	66.7	37.3
09:00 AM - 10:00 AM	42.1	65.9	37.2
10:00 AM - 11:00 AM	44.7	70.4	36.9
11:00 AM - 12:00 PM	46.6	65.1	39.8
Leq Average 24 hrs. (dB(A))	47.3		
Lmax (dB(A))		83.3	
L90 (dB(A))			37.3
Ldn (dB(A))	52.7		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป			
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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

Supt S
Supt Salameh
Section 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 : GNC-4210602403
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599519
Date Received : Dec 12, 2025
Date Reported : Dec 18, 2025
Report Number: 3473507-1

Page 1 of 1

Sample Number	2599519-12		
Parameter	Noise (Leq 24 hrs.)		
Location	วัดช้างค้ำ (GPS 47P 0792400, 1554211)		
Measurement Date	Dec 06 - Dec 07, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 1222723		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	47.7	71.8	39.9
01:00 PM - 02:00 PM	50.3	75.5	38.8
02:00 PM - 03:00 PM	45.2	62.7	38.6
03:00 PM - 04:00 PM	56.1	79.0	37.1
04:00 PM - 05:00 PM	59.6	83.0	37.2
05:00 PM - 06:00 PM	59.4	75.5	43.0
06:00 PM - 07:00 PM	54.6	80.7	44.7
07:00 PM - 08:00 PM	62.5	79.2	44.4
08:00 PM - 09:00 PM	54.7	83.1	40.2
09:00 PM - 10:00 PM	51.2	79.9	38.6
10:00 PM - 11:00 PM	46.4	69.8	37.8
11:00 PM - 12:00 AM	41.8	69.1	37.3
12:00 AM - 01:00 AM	40.8	77.3	36.7
01:00 AM - 02:00 AM	41.9	66.8	37.5
02:00 AM - 03:00 AM	47.1	70.1	35.6
03:00 AM - 04:00 AM	49.3	73.4	35.9
04:00 AM - 05:00 AM	41.6	67.1	35.3
05:00 AM - 06:00 AM	65.2	79.8	44.8
06:00 AM - 07:00 AM	68.1	87.7	38.1
07:00 AM - 08:00 AM	47.6	68.8	37.4
08:00 AM - 09:00 AM	66.6	84.1	38.4
09:00 AM - 10:00 AM	52.5	73.4	44.2
10:00 AM - 11:00 AM	51.5	80.5	40.5
11:00 AM - 12:00 PM	54.6	68.8	40.1
Leq Average 24 hrs. (dB(A))	59.2		
Lmax (dB(A))		87.7	
L90 (dB(A))			38.4
Ldn (dB(A))	66.6		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป			
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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

Supt S
Supt Salameh
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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 : GNC-4210602403
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599519
Date Received : Dec 12, 2025
Date Reported : Dec 18, 2025
Report Number: 3473508-1

Page 1 of 1

Sample Number	2599519-13		
Parameter	Noise (Leq 24 hrs.)		
Location	วัดช้างค้ำ (GPS 47P 0792400, 1554211)		
Measurement Date	Dec 07 - Dec 08, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 1222723		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	44.1	69.3	37.4
01:00 PM - 02:00 PM	55.3	72.6	39.2
02:00 PM - 03:00 PM	59.9	81.0	49.1
03:00 PM - 04:00 PM	63.2	77.2	52.3
04:00 PM - 05:00 PM	66.3	78.4	58.6
05:00 PM - 06:00 PM	64.4	80.5	49.4
06:00 PM - 07:00 PM	61.5	72.9	55.8
07:00 PM - 08:00 PM	64.4	75.4	42.3
08:00 PM - 09:00 PM	45.2	63.7	38.6
09:00 PM - 10:00 PM	49.8	73.7	39.8
10:00 PM - 11:00 PM	46.5	70.6	36.5
11:00 PM - 12:00 AM	43.7	66.9	38.9
12:00 AM - 01:00 AM	42.5	61.8	37.0
01:00 AM - 02:00 AM	39.6	68.9	37.4
02:00 AM - 03:00 AM	38.7	54.8	36.4
03:00 AM - 04:00 AM	39.4	59.4	37.6
04:00 AM - 05:00 AM	42.1	68.9	38.2
05:00 AM - 06:00 AM	49.2	74.0	40.3
06:00 AM - 07:00 AM	64.6	79.6	57.5
07:00 AM - 08:00 AM	66.2	81.2	59.1
08:00 AM - 09:00 AM	68.0	81.8	50.2
09:00 AM - 10:00 AM	65.6	79.4	47.8
10:00 AM - 11:00 AM	62.9	79.0	50.9
11:00 AM - 12:00 PM	55.7	74.8	47.5
Leq Average 24 hrs. (dB(A))	61.5		
Lmax (dB(A))		81.8	
L90 (dB(A))			40.3
Ldn (dB(A))	64.1		
Standard (dB(A))	70	115	
Reference Method : ISO 1996-1 : 2016			
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป			
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการขนาน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน 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

Supt S
Supt Salameh
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S:\Reports\Air Noise rpt (9:10AM)



Analysis / Test Report



TESTING
No. 0042

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: 2599519
Date Received : Dec 12, 2025
Date Reported : Dec 18, 2025
Report Number: 3473509-1

Page 1 of 1

Sample Number	2599519-14		
Parameter	Noise (Leq 24 hrs.)		
Location	วัดช้างศึกฯ (GPS 47P 0792400, 1554211)		
Measurement Date	Dec 08 - Dec 09, 2025		
Measurement by	Anuwet Tema		
Sound Level meter	Serial No. 1222723		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	67.9	79.1	55.3
01:00 PM - 02:00 PM	66.9	79.3	47.4
02:00 PM - 03:00 PM	64.1	78.7	43.7
03:00 PM - 04:00 PM	64.6	79.1	42.9
04:00 PM - 05:00 PM	60.5	95.4	40.3
05:00 PM - 06:00 PM	65.7	87.9	40.7
06:00 PM - 07:00 PM	57.6	82.5	39.2
07:00 PM - 08:00 PM	42.7	58.9	37.8
08:00 PM - 09:00 PM	39.2	50.2	37.5
09:00 PM - 10:00 PM	51.5	78.9	35.8
10:00 PM - 11:00 PM	38.9	60.2	36.6
11:00 PM - 12:00 AM	40.2	60.4	37.3
12:00 AM - 01:00 AM	47.4	75.0	37.9
01:00 AM - 02:00 AM	48.8	75.0	39.9
02:00 AM - 03:00 AM	43.4	64.6	38.8
03:00 AM - 04:00 AM	44.3	58.4	39.3
04:00 AM - 05:00 AM	44.3	61.5	38.9
05:00 AM - 06:00 AM	45.6	65.2	39.2
06:00 AM - 07:00 AM	46.6	72.6	41.1
07:00 AM - 08:00 AM	49.2	78.8	41.2
08:00 AM - 09:00 AM	50.4	72.2	44.8
09:00 AM - 10:00 AM	51.1	70.2	44.1
10:00 AM - 11:00 AM	51.7	73.5	46.1
11:00 AM - 12:00 PM	52.6	80.0	36.9
Leq Average 24 hrs. (dB(A))	59.8		
Lmax (dB(A))		95.4	
L90 (dB(A))			39.3
Ldn (dB(A))	60.3		
Standard (dB(A))	70	115	
Reference Method	: ISO 1996-1 : 2016		
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 17025.		

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamtch
Section 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: 2562052
Date Received : Jul 22, 2025
Date Reported : Jul 31, 2025
Report Number : 3346422-1

Page 1 of 1

Sample Number	2562052-1							
Sampled Date	Jul 22, 2025 10:55 AM							
Sample Description	Wastewater							
Location	จุดระบายน้ำทิ้งของโรงงาน							
Date Analysis Commenced	Jul 22, 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
Water Testing								
Color (at Original pH)	ADMI	-	5	36	≤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	37	≤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	-	-	-	7.2	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	-	-	31.1	≤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	414	≤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	27	≤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 รับผิดชอบที่ ร-323-ร-0005 , Pattarapol Sawangjaitam รับผิดชอบที่ ร-204-ร-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)
รับผิดชอบที่ ร-323-ร-0028

Approved by

Dej Changchon

Senior Manager
รับผิดชอบที่ ร-323-ร-0001

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14694-21/ EMAIL

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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.0009
Lot ID: 2562052
Date Received : Jul 22, 2025
Date Reported : Jul 31, 2025
Report Number : 3346422-2

Page 1 of 1

Sample Number	2562052-1							
Sampled Date	Jul 22, 2025 10:55 AM							
Sample Description	Wastewater							
Location	จุดระบายน้ำทิ้งของโครงการ							
Date Analysis Commenced	Jul 22, 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	2.92	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	0.89	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *	-	-	-	1.18	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	1.63	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	0.83	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-D (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 : Sansoen Khuiyoksui , Pattarapol Sawangjaitam

Remark :
- LOD : Limit of Detection
- "<" : 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

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

Approved by

Sawitree N

Sawitree Nolsangiam
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



TESTING
No.0042
Lot ID: 2562055
Date Received : Jul 22, 2025
Date Reported : Jul 29, 2025
Report Number : 3346430-1

Page 1 of 1

Sample Number	2562055-1							
Sampled Date	Jul 22, 2025 10:55 AM							
Sample Description	Wastewater							
Location	จุดระบายน้ำทิ้งของโรงงานโครงการ							
Date Analysis Commenced	Jul 23, 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	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	2.5	≤35	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part N63 (H)	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 รับผิดชอบที่ ร-323-ร-0005 , Pattarapol Sawangjaitam รับผิดชอบที่ ร-204-ร-0002

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

Technical Management

Photchana S

Photchana Seeda
Scientist (4)
รับผิดชอบที่ ร-323-ร-0028

Approved by

Dej Changchon

Senior Manager
รับผิดชอบที่ ร-323-ร-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: 2562055
Date Received : Jul 22, 2025
Date Reported : Jul 30, 2025
Report Number : 3346430-2

Page 1 of 1

Page 3 of 3

Sample Number	2562055-1							
Sampled Date	Jul 22, 2025 10:55 AM							
Sample Description	Wastewater							
Location	จุดระบายน้ำทิ้งของระบบบำบัดของเสียโครงการ							
Date Analysis Commenced	Jul 23, 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	0.007	≤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	0.010	≤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	<0.0005	≤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 รับผิดชอบที่ ร-323-ร-0005 , Pattarapol Sawangjaitam รับผิดชอบที่ ร-204-ร-0002

Remark :
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Technical Management

Sawitree N

Sawitree Nolsangiam
Manager
รับผิดชอบที่ ร-204-ร-0007

Approved by

Kanokorn Anek

Assistant General Manager
รับผิดชอบที่ ร-204-ร-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: 2562055
Date Received : Jul 22, 2025
Date Reported : Jul 30, 2025
Report Number : 3346430-3

Page 1 of 1

Sample Number	2562055-1
Sampled Date	Jul 22, 2025 10:55 AM
Sample Description	Wastewater
Location	จุดระบายน้ำทิ้งของโรงงาน
Date Analysis Commenced	Jul 22, 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	0.84	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	1.85	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 Khuyuksai , Pattarapol Sawangjaitam

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

Approved by

Savitree N.
Savitree Naisangiam
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: 2564341
Date Received : Aug 15, 2025
Date Reported : Aug 22, 2025
Report Number : 3352151-1

Page 1 of 1

Sample Number	2564341-1
Sampled Date	Aug 15, 2025 10:33 AM
Sample Description	Wastewater
Location	จุดระบายน้ำทิ้งของโรงงาน
Date Analysis Commenced	Aug 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
Water Testing								
Color (at Original pH)	ADMI	-	5	17	≤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	14	≤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	-	-	-	7.4	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 (8)	Rayong
Temperature *	Degree C	-	-	31.1	≤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	244	≤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	15	≤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 : Nattawut Athomprommarat หนองนอแซฟ ร-323-ร-0006 , Pattarapol Sawangjaitam หนองนอแซฟ ร-204-ร-0002

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

Technical Management

Photchanas
Photchanas Seeda
Scientist (4)
หนองนอแซฟ ร-323-ร-0028

Approved by

Dej Changchon
Senior Manager
หนองนอแซฟ ร-323-ร-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: 2564341
Date Received : Aug 15, 2025
Date Reported : Aug 23, 2025
Report Number : 3352151-2

Page 1 of 1

Sample Number	2564341-1
Sampled Date	Aug 15, 2025 10:33 AM
Sample Description	Wastewater
Location	จุดระบายน้ำทิ้งของโรงงาน
Date Analysis Commenced	Aug 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	2.06	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	0.47	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR	-	-	-	0.73	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	0.82	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	0.61	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	6.4	≥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 , Pattarapol Sawangjaitam

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

Approved by

Savitree N.
Savitree Naisangiam
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

TESTING
No.0042
Lot ID: 2564344
Date Received : Aug 15, 2025
Date Reported : Aug 22, 2025
Report Number : 3352165-1

Page 1 of 1

Sample Number	2564344-1
Sampled Date	Aug 15, 2025 10:33 AM
Sample Description	Wastewater
Location	จุดระบายน้ำทิ้งของโรงงาน
Date Analysis Commenced	Aug 16, 2025
Condition of Sample	Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (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	1.4	≤35	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-norg (C), part NH3 (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 หนองนอแซฟ ร-323-ร-0006 , Pattarapol Sawangjaitam หนองนอแซฟ ร-204-ร-0002

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

Photchanas
Photchanas Seeda
Scientist (4)
หนองนอแซฟ ร-323-ร-0028

Approved by

Dej Changchon
Senior Manager
หนองนอแซฟ ร-323-ร-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: 2564344
Date Received : Aug 15, 2025
Date Reported : Aug 22, 2025
Report Number : 3352165-2

Page 1 of 1

Sample Number	2564344-1							
Sampled Date	Aug 15, 2025 10:33 AM							
Sample Description	Wastewater							
Location	จุดระบายน้ำที่คลองพระยาตากของโครงการ							
Date Analysis Commenced	Aug 18, 2025							
Condition of Sample	Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (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	0.004	≤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 รหัสประจำตัว 3-323-4-0006 , Pattarapol Sawangjaitam รหัสประจำตัว 3-204-4-0002

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

Chamatt L.

Chanattagam Inchom
Section Head
รหัสประจำตัว 3-204-4-0008

Approved by

Kanokkom Anek

Kanokkom Anek
Assistant General Manager
รหัสประจำตัว 3-204-4-0004

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



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: 2584355
Date Received : Sep 08, 2025
Date Reported : Sep 09, 2025
Report Number : 3400075-1

Page 1 of 1

Sample Number	2584355-1							
Sampled Date	Sep 08, 2025 2:10 PM							
Sample Description	Wastewater							
Location	จุดระบายน้ำที่คลองพระยาตากของโครงการ							
Date Analysis Commenced	Sep 09, 2025							
Condition of Sample	Contained in 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								
Iron	mg/L	0.003	0.005	0.38	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

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 : Akkarin Budsaktee

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

Approved by

Sawitree N.

Sawitree Nolsangjam
Manager

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 : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0042
Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Oct 03, 2025
Report Number : 3395338-1

Page 1 of 2

Sample Number	2582434-1							
Sampled Date	Sep 16, 2025 1:45 PM							
Sample Description	Wastewater							
Location	จุดระบายน้ำที่คลองโครงการ							
Date Analysis Commenced	Sep 16, 2025							
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven 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
Color (at Original pH)	ADMI	-	5	17	≤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	16	≤300	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	Not Detected	≤1	No Standard	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	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	-	-	-	7.7	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
Residual Free Chlorine *	mg/L	-	0.1	0.2	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Technical Management

Photchanas

Photchanas Seeda
Scientist (4)
รหัสประจำตัว 3-323-4-0028

Approved by

Dej Changchon

Dej Changchon
Senior Manager
รหัสประจำตัว 3-323-4-0001

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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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report



Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0042
Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Sep 03, 2025
Report Number : 3395338-1

Page 2 of 2

Sample Number	2582434-1							
Sampled Date	Sep 16, 2025 1:45 PM							
Sample Description	Wastewater							
Location	จุดระบายน้ำที่คลองโครงการ							
Date Analysis Commenced	Sep 16, 2025							
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven 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								
Sulfide *	mg/L	-	0.5	<0.5	≤1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	31.5	≤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	218	≤1300	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	<1.0	≤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
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.

Note : Gross alpha activity and Gross beta activity analysis has been subcontracted to outsource lab.

Sampling By : Sansoen Khuiyokul รหัสประจำตัว 3-323-4-0005 , Pattarapol Sawangjaitam รหัสประจำตัว 3-204-4-0002

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

Approved by

Photchanas

Photchanas Seeda
Scientist (4)
รหัสประจำตัว 3-323-4-0028

Dej Changchon
Senior Manager
รหัสประจำตัว 3-323-4-0001

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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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0009
Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Oct 03, 2025
Report Number : 3395338-2

Page 1 of 5

Sample Number	2582434-1						
Sampled Date	Sep 16, 2025 1:45 PM						
Sample Description	Wastewater						
Location	จุดตรวจน้ำทิ้งของโครงการ						
Date Analysis Commenced	Sep 17, 2025						
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven 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	0.002	≤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
Barium	mg/L	0.0003	0.0005	0.11	≤1.0	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.01	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Chromium	mg/L	0.0003	0.0005	0.0008	No Standard	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
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.0006	≤0.1	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.86	≤5	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Technical Management

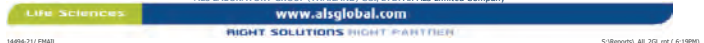
Savitree N.
Savitree Naisianglam
Manager
โทรเลขเบอร์ 7-204-0-0007

Approved by

Kanokorn Anek
Kanokorn Anek
Assistant General Manager
โทรเลขเบอร์ 7-204-0-0004

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0009
Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Oct 03, 2025
Report Number : 3395338-2

Page 2 of 5

Sample Number	2582434-1						
Sampled Date	Sep 16, 2025 1:45 PM						
Sample Description	Wastewater						
Location	จุดตรวจน้ำทิ้งของโครงการ						
Date Analysis Commenced	Sep 17, 2025						
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven 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								
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
Nickel	mg/L	0.0003	0.0005	0.0006	≤0.2	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.02	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Pesticides - Organochlorine Group								
2,4-DDD *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
2,4-DDE *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

Technical Management

Savitree N.
Savitree Naisianglam
Manager
โทรเลขเบอร์ 7-204-0-0007

Approved by

Kanokorn Anek
Kanokorn Anek
Assistant General Manager
โทรเลขเบอร์ 7-204-0-0004

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0009
Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Oct 03, 2025
Report Number : 3395338-2

Page 3 of 5

Sample Number	2582434-1						
Sampled Date	Sep 16, 2025 1:45 PM						
Sample Description	Wastewater						
Location	จุดตรวจน้ำทิ้งของโครงการ						
Date Analysis Commenced	Sep 17, 2025						
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
2,4-DDT *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
4,4-DDD *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
4,4-DDE *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
4,4-DDT *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Aldrin *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
alpha-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
beta-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

Technical Management

Savitree N.
Savitree Naisianglam
Manager
โทรเลขเบอร์ 7-204-0-0007

Approved by

Kanokorn Anek
Kanokorn Anek
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 : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0009
Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Oct 03, 2025
Report Number : 3395338-2

Page 4 of 5

Sample Number	2582434-1						
Sampled Date	Sep 16, 2025 1:45 PM						
Sample Description	Wastewater						
Location	จุดตรวจน้ำทิ้งของโครงการ						
Date Analysis Commenced	Sep 17, 2025						
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
Chlordane *	ug/L	0.02	0.04	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
delta-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Dieldrin *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Endosulfan I *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Endosulfan II *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Endrin *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Heptachlor *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

Technical Management

Savitree N.
Savitree Naisianglam
Manager
โทรเลขเบอร์ 7-204-0-0007

Approved by

Kanokorn Anek
Kanokorn Anek
Assistant General Manager
โทรเลขเบอร์ 7-204-0-0004

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0009
Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Oct 03, 2025
Report Number : 3395338-2

Page 5 of 5

Sample Number	2582434-1
Sampled Date	Sep 16, 2025 1:45 PM
Sample Description	Wastewater
Location	จุดระบายน้ำทิ้งของโครงการ
Date Analysis Commenced	Sep 17, 2025
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
Heptachlor-Epoide *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Lindane (gamma-BHC) *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Methoxychlor *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	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.

Note : Gross alpha activity and Gross beta activity analysis has been subcontracted to outsource lab.

Sampling By : Sansoen Khuyuksai , Pattarapol Sawangjitam , Pattarapol Sawangjitam 204-2-0005, Pattarapol Sawangjitam 204-2-0002

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

Sawitree N.

Sawitree Noisangiam
Manager
โทรศัพท์ 204-2-0007

Approved by

Kanokkom Anek

Kanokkom Anek
Assistant General Manager
โทรศัพท์ 204-2-0004

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14494-21/ EMAIL

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Oct 03, 2025
Report Number : 3395338-3

Page 1 of 3

Sample Number	2582434-1
Sampled Date	Sep 16, 2025 1:45 PM
Sample Description	Wastewater
Location	จุดระบายน้ำทิ้งของโครงการ
Date Analysis Commenced	Sep 16, 2025
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven 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	1.87	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	0.40	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	0.37	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR	-	-	-	0.64	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	0.68	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok

Pesticides - Organochlorine Group								
alpha-Chlordane	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
gamma-Chlordane	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Hexachlorobenzene	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

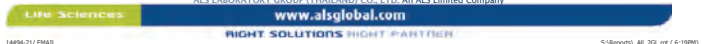
Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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14494-21/ EMAIL

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Oct 03, 2025
Report Number : 3395338-3

Page 2 of 3

Sample Number	2582434-1
Sampled Date	Sep 16, 2025 1:45 PM
Sample Description	Wastewater
Location	จุดระบายน้ำทิ้งของโครงการ
Date Analysis Commenced	Sep 16, 2025
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
Mirex	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Semi-Volatile Organics Compounds								
Cresol	mg/L	0.0005	0.002	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6410 B	Bangkok
Phenol & Cresol	mg/L	-	0.002	<0.002	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6410 B	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
Conductivity at 25 Degree C	micromhos/cm	-	0.5	324	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	4.1	≥2	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Gross alpha activity	Bq/L	0.018	0.063	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 900.0 Section 1 and EPA-600/4/80-032 (1980)	Bangkok
Gross beta activity	Bq/L	0.012	0.063	0.217 ± 0.024	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 900.0 Section 1 and EPA-600/4/80-032 (1980)	Bangkok

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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 : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Oct 03, 2025
Report Number : 3395338-3

Page 3 of 3

Sample Number	2582434-1
Sampled Date	Sep 16, 2025 1:45 PM
Sample Description	Wastewater
Location	จุดระบายน้ำทิ้งของโครงการ
Date Analysis Commenced	Sep 16, 2025
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven 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	0.89	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	0.031	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO2 (B)	Rayong
Odour	-	-	-	Odourless	No Standard	No Standard	TIS, 257-2549	Rayong
Tar	mg/L	0.5	1.0	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 8015 D	Bangkok
Total Nitrogen as N	mg/L	-	1.0	1.5	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.

Note : Gross alpha activity and Gross beta activity analysis has been subcontracted to outsource lab.

Sampling By : Sansoen Khuyuksai , Pattarapol Sawangjitam

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

Approved by

Sawitree N.

Sawitree Noisangiam
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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: 2582436
Date Received : Sep 16, 2025
Date Reported : Sep 23, 2025
Report Number : 3395340-1

Page 1 of 1

Sample Number	2582436-1							
Sampled Date	Sep 16, 2025 1:45 PM							
Sample Description	Wastewater							
Location	จุดระบายน้ำทิ้งของระบบบำบัดของเสีย							
Date Analysis Commenced	Sep 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	<1.0	≤35	≤100	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NHR (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 Khuiyoksul รับผิดชอบพื้นที่ 323-4-0005 , Pattarapol Sawangjaitam รับผิดชอบพื้นที่ 204-4-0002

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

Photchanas

Photchana Seeda
Scientist (4)
รับผิดชอบพื้นที่ 323-4-0028

Approved by

Dej Changchon

Senior Manager
รับผิดชอบพื้นที่ 323-4-0001

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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: 2582436
Date Received : Sep 16, 2025
Date Reported : Sep 23, 2025
Report Number : 3395340-2

Page 1 of 1

Sample Number	2582436-1							
Sampled Date	Sep 16, 2025 1:45 PM							
Sample Description	Wastewater							
Location	จุดระบายน้ำทิ้งก่อนระบบบำบัดของเสีย							
Date Analysis Commenced	Sep 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	0.002	≤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
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 Khuiyoksul รับผิดชอบพื้นที่ 323-4-0005 , Pattarapol Sawangjaitam รับผิดชอบพื้นที่ 204-4-0002

Remark :
- LOD : Limit of Detection
- "<" : 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

Sawatree N.

Sawatree Naisangam
Manager
รับผิดชอบพื้นที่ 204-4-0007

Approved by

Kanokorn Anek

Assistant General Manager
รับผิดชอบพื้นที่ 204-4-0004

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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.0042
Lot ID: 2582436
Date Received : Sep 16, 2025
Date Reported : Sep 23, 2025
Report Number : 3395340-3

Page 1 of 1

Sample Number	2582436-1							
Sampled Date	Sep 16, 2025 1:45 PM							
Sample Description	Wastewater							
Location	จุดระบายน้ำทิ้งของระบบบำบัดของเสีย							
Date Analysis Commenced	Sep 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	0.81	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	0.88	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 , Pattarapol Sawangjaitam

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

Approved by

Sawatree N.

Sawatree Naisangam
Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0042
Lot ID: 2588993
Date Received : Oct 20, 2025
Date Reported : Oct 29, 2025
Report Number : 3411786-1

Page 1 of 1

Sample Number	2588993-1							
Sampled Date	Oct 20, 2025 11:00 AM							
Sample Description	Wastewater							
Location	จุดระบายน้ำทิ้งของโครงการ							
Date Analysis Commenced	Oct 20, 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
Water Testing								
Color (at Original pH)	ADMI	-	5	22	≤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	19	≤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	-	-	-	7.8	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	-	-	32.6	≤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	432	≤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	12	≤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 : Narunat thammassaro รับผิดชอบพื้นที่ 323-4-0052 , Thanasoun Namakunna รับผิดชอบพื้นที่ 204-4-0101

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

Technical Management

Photchanas

Photchana Seeda
Scientist (4)
รับผิดชอบพื้นที่ 323-4-0028

Approved by

Dej Changchon

Senior Manager
รับผิดชอบพื้นที่ 323-4-0001

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2588993
Date Received : Oct 20, 2025
Date Reported : Oct 29, 2025
Report Number : 3411786-2

Page 1 of 1

Sample Number	2588993-1							
Sampled Date	Oct 20, 2025 11:00 AM							
Sample Description	Wastewater							
Location	จุดระบายน้ำที่ถ่านหินโรงไฟฟ้า							
Date Analysis Commenced	Oct 20, 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	3.72	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	0.77	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR	-	0.10	0.78		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	1.16	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	7.0	≥2	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-G (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 : Narunat thammassaro , Thanasoun Namakunna

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

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 : GNC-4210602403
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No. 0042
Lot ID: 2589001
Date Received : Oct 20, 2025
Date Reported : Oct 28, 2025
Report Number : 3411795-1

Page 1 of 1

Sample Number	2589001-1							
Sampled Date	Oct 20, 2025 11:00 AM							
Sample Description	Wastewater							
Location	จุดระบายน้ำที่ถ่านหินของโรงไฟฟ้า							
Date Analysis Commenced	Oct 21, 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 - 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	<1.0	≤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 : Narunat thammassaro เลขประจำตัว 3-323-0-0052 , Thanasoun Namakunna เลขประจำตัว 3-204-0-0101								
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								

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 : Narunat thammassaro , Thanasoun Namakunna

Remark :
- LOD : Limit of Detection
- "<" : 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)
หมายเลขโทรศัพท์ 3-323-0-0028

Approved by

Dej Changchon
Senior Manager
หมายเลขโทรศัพท์ 3-323-0-0001

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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: 2589001
Date Received : Oct 20, 2025
Date Reported : Oct 28, 2025
Report Number : 3411795-2

Page 1 of 1

Sample Number	2589001-1							
Sampled Date	Oct 20, 2025 11:00 AM							
Sample Description	Wastewater							
Location	จุดระบายน้ำที่ถ่านหินของโรงไฟฟ้า							
Date Analysis Commenced	Oct 21, 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)	Results	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 : Narunat thammassaro , Thanasoun Namakunna

Remark :
- LOD : Limit of Detection
- "<" : 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

Chanattagorn Imchom
Section Head
หมายเลขโทรศัพท์ 3-204-0-0008

Approved by

Kanokkorn Anek
Assistant General Manager
หมายเลขโทรศัพท์ 3-204-0-0004

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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: 2599533
Date Received : Nov 14, 2025
Date Reported : Nov 21, 2025
Report Number : 3436682-3

Page 1 of 1

Sample Number	2599533-1							
Sampled Date	Nov 14, 2025 11:22 AM							
Sample Description	Wastewater							
Location	จุดระบายน้ำที่ถ่านหินของโรงไฟฟ้า							
Date Analysis Commenced	Nov 15, 2025							
Condition of Sample	Contained in two glass vials and six 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	0.50	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

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 : Pitthaya Thongtaeng , Kardsundit Kitisupavanit

Remark :
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Approved by

Chanattagorn Imchom
Section Head

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TESTING

No.0042
Lot ID: 2599530
 Date Received : Nov 14, 2025
 Date Reported : Nov 22, 2025
 Report Number : 3436679-1

Page 1 of 1



Lot ID: 2599530

Date Received : Nov 14, 2025
Date Reported : Nov 22, 2025
Report Number : 3436679-2

Page 1 of 1

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 : Pitthaya Thongtaeng , Kardbundit Kitisupavanit

Remark :

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

Approved by _____

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

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ๖-323-ค-0001

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TESTING

Lot ID: 2599533
Date Received : Nov 14, 2025
Date Reported : Nov 21, 2025
Report Number : 3436682-1

Page 1 of 1



TESTING

Date Received : Nov 14, 2025
Date Reported : Nov 21, 2025
Report Number : 3436682-2

Page 1 of 1

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: Pittthaya Thongtaeng โทรศัพท์ ๐-๒๒๓-๘-๐๐๓๐ Kirdbundi Kitisunavanit โทรศัพท์ ๐-๒๐๔-๘-๐๐๐

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

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 : GNC-4210602403
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0009
Lot ID: 2599533
Date Received : Nov 14, 2025
Date Reported : Nov 21, 2025
Report Number : 3436682-3

Page 1 of 1

Sample Number 2599533-1
Sampled Date Nov 14, 2025 11:22 AM
Sample Description Wastewater
Location จตุรนาถน้ำทิ้งก่อนระบายลงคลองโรงการ
Date Analysis Commenced Nov 15, 2025
Condition of Sample Contained in two glass vials and six 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	0.50	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	1.09	No Standard	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-ND3 (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 : Pithaya Thongtaeng , Kardbunkit Kitisupavanit

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

Approved by

Chanatt Jmchom
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 : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0042
Lot ID: 25105700
Date Received : Dec 16, 2025
Date Reported : Dec 25, 2025
Report Number : 3452690-1

Page 1 of 2

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
Color (at Original pH)	ADMI	-	5	9	≤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	8	≤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	-	-	28.7	≤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	188	≤1300	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	<1.0	≤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
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	12	≤30	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management

Photchana S
Photchana Seeda
Scientist (4)
หมายเลขโทรศัพท์ 3-323-0-0028

Approved by

Dej Changchon
Senior Manager
หมายเลขโทรศัพท์ 3-323-0-0001

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Analysis / Test Report



Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0042
Lot ID: 25105700
Date Received : Dec 16, 2025
Date Reported : Dec 25, 2025
Report Number : 3452690-1

Page 2 of 2

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 Khuiyokul หมายเลขโทรศัพท์ 3-323-0-0005 , Akkarin Budsaktee หมายเลขโทรศัพท์ 3-204-0-0196

Remark :
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Approved by

Dej Changchon
Senior Manager
หมายเลขโทรศัพท์ 3-323-0-0001

Technical Management

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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 : GNC-4210602403
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0042
Lot ID: 25105704
Date Received : Dec 16, 2025
Date Reported : Dec 24, 2025
Report Number : 3452697-1

Page 1 of 1

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	<1.0	≤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 Khuiyokul หมายเลขโทรศัพท์ 3-323-0-0005 , Akkarin Budsaktee หมายเลขโทรศัพท์ 3-204-0-0196

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

Technical Management

Jitsupa P
Jitsupa Prahuangsk
Scientist (2)
หมายเลขโทรศัพท์ 3-323-0-0004

Approved by

Dej Changchon
Senior Manager
หมายเลขโทรศัพท์ 3-323-0-0001

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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: 25105704
Date Received : Dec 16, 2025
Date Reported : Dec 24, 2025
Report Number : 3452697-2

Page 1 of 1

Sample Number	25105704-1							
Sampled Date	Dec 16, 2025 11:05 AM							
Sample Description	Wastewater							
Location	จุดตรวจน้ำทิ้งก่อนระบบบำบัดของโรงงาน							
Date Analysis Commenced	Dec 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	0.002	≤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	0.004	≤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 ทรัพย์สินสุทธิ 323-4-0005 , Akkarin Budsaktee ทรัพย์สินสุทธิ 204-4-0196

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

Savitree N.
Savitree Noisanglam
Manager
ทรัพย์สินสุทธิ 204-4-0007

Approved by

Kanokkom Anek
Kanokkom Anek
Assistant General Manager
ทรัพย์สินสุทธิ 204-4-0004

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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: 25105704
Date Received : Dec 16, 2025
Date Reported : Dec 24, 2025
Report Number : 3452697-3

Page 1 of 1

Sample Number	25105704-1							
Sampled Date	Dec 16, 2025 11:05 AM							
Sample Description	Wastewater							
Location	จุดตรวจน้ำทิ้งก่อนระบบบำบัดของโรงงาน							
Date Analysis Commenced	Dec 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	0.96	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	0.64	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 , Akkarin Budsaktee

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

Savitree N.
Savitree Noisanglam
Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0042
Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Oct 03, 2025
Report Number : 3395338-1

Page 1 of 2

Sample Number	2582434-1						
Sampled Date	Sep 16, 2025 1:45 PM						
Sample Description	Wastewater						
Location	จุดตรวจน้ำทิ้งของโครงการ						
Date Analysis Commenced	Sep 16, 2025						
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method
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
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 B
Color (at Original pH)	ADMI	-	5	17	≤300	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2120 F
Color (at pH 7.0)	ADMI	-	5	16	≤300	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2120 F
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.2	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-CN (C, E)
Formaldehyde	mg/L	0.03	0.1	Not Detected	≤1	No Standard	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004
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
pH at 25 degree C	-	-	-	7.7	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)
Residual Free Chlorine *	mg/L	-	0.1	0.2	≤1	≤1	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)

Technical Management

Photchanas

Photchana Seeda
Scientist (4)
โทรเลขเลขที่ 7-323-0-0028

Approved by

Dej Changchon

Dej Changchon
Senior Manager
โทรเลขเลขที่ 7-323-0-0001

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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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0042
Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Oct 03, 2025
Report Number : 3395338-1

Page 2 of 2

Sample Number	2582434-1						
Sampled Date	Sep 16, 2025 1:45 PM						
Sample Description	Wastewater						
Location	จุดตรวจน้ำทิ้งของโครงการ						
Date Analysis Commenced	Sep 16, 2025						
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method
Water Testing							
Sulfide *	mg/L	-	0.5	<0.5	≤1	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)
Temperature *	Degree C	-	-	31.5	≤40	≤40	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2550 B
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	218	≤1300	≤3000	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	<1.0	≤35	≤100	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)
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

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.

Note : Gross alpha activity and Gross beta activity analysis has been subcontracted to outsource lab.

Sampling By : Sansoen Khuyiksoi โทรเลขเลขที่ 7-323-0-0005, Pattarapol Sawangjam โทรเลขเลขที่ 7-204-0-0002

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

Photchanas

Photchana Seeda
Scientist (4)
โทรเลขเลขที่ 7-323-0-0028

Approved by

Dej Changchon

Dej Changchon
Senior Manager
โทรเลขเลขที่ 7-323-0-0001

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0009
Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Oct 03, 2025
Report Number : 3395338-2

Page 1 of 5

Sample Number	2582434-1						
Sampled Date	Sep 16, 2025 1:45 PM						
Sample Description	Wastewater						
Location	จุดตรวจน้ำทิ้งของโครงการ						
Date Analysis Commenced	Sep 17, 2025						
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.002	≤0.25	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F
Barium	mg/L	0.0003	0.0005	0.11	≤1.0	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.01	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F
Chromium	mg/L	0.0003	0.0005	0.0008	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F
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
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B
Lead	mg/L	0.0003	0.0005	0.0006	≤0.1	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F
Manganese	mg/L	0.0003	0.0005	0.86	≤5	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F

Technical Management

Sawitree N.

Sawitree Nolsanglam
Manager
โทรเลขเลขที่ 7-204-0-0007

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager
โทรเลขเลขที่ 7-204-0-0004

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0009
Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Oct 03, 2025
Report Number : 3395338-2

Page 2 of 5

Sample Number	2582434-1						
Sampled Date	Sep 16, 2025 1:45 PM						
Sample Description	Wastewater						
Location	จุดตรวจน้ำทิ้งของโครงการ						
Date Analysis Commenced	Sep 17, 2025						
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method
Metals Testing							
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
Nickel	mg/L	0.0003	0.0005	0.0006	≤0.2	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F
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
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F
Zinc	mg/L	0.003	0.005	0.02	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F
Pesticides - Organochlorine Group							
2,4-DDD *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B
2,4-DDE *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B

Technical Management

Sawitree N.

Sawitree Nolsanglam
Manager
โทรเลขเลขที่ 7-204-0-0007

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager
โทรเลขเลขที่ 7-204-0-0004

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0009
Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Oct 03, 2025
Report Number : 3395338-2

Page 3 of 5

Sample Number	2582434-1
Sampled Date	Sep 16, 2025 1:45 PM
Sample Description	Wastewater
Location	จุดระบายน้ำทิ้งของโครงการ
Date Analysis Commenced	Sep 17, 2025
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
2,4-DDT *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
4,4-DDD *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
4,4-DDE *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
4,4-DDT *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Aldrin *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
alpha-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
beta-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

Technical Management

Savitree N.
Savitree Naisiangiam
Manager
โทรเลขเบอร์ 2-204-0-0007

Approved by

Kanokorn Anek
Kanokorn Anek
Assistant General Manager
โทรเลขเบอร์ 2-204-0-0004

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0009
Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Oct 03, 2025
Report Number : 3395338-2

Page 4 of 5

Sample Number	2582434-1
Sampled Date	Sep 16, 2025 1:45 PM
Sample Description	Wastewater
Location	จุดระบายน้ำทิ้งของโครงการ
Date Analysis Commenced	Sep 17, 2025
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
Chlordane *	ug/L	0.02	0.04	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
delta-BHC *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Dieldrin *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Endosulfan I *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Endosulfan II *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Endrin *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Heptachlor *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

Technical Management

Savitree N.
Savitree Naisiangiam
Manager
โทรเลขเบอร์ 2-204-0-0007

Approved by

Kanokorn Anek
Kanokorn Anek
Assistant General Manager
โทรเลขเบอร์ 2-204-0-0004

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0009
Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Oct 03, 2025
Report Number : 3395338-2

Page 5 of 5

Sample Number	2582434-1
Sampled Date	Sep 16, 2025 1:45 PM
Sample Description	Wastewater
Location	จุดระบายน้ำทิ้งของโครงการ
Date Analysis Commenced	Sep 17, 2025
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
Heptachlor-Epoxide *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Lindane (gamma-BHC) *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Methoxychlor *	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	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.

Note : Gross alpha activity and Gross beta activity analysis has been subcontracted to outsource lab.

Sampling By : Samsen Khuiyokul โทรเลขเบอร์ 2-323-0-0005, Pattarapol Sawangjaitam โทรเลขเบอร์ 2-204-0-0002

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

Savitree N.
Savitree Naisiangiam
Manager
โทรเลขเบอร์ 2-204-0-0007

Approved by

Kanokorn Anek
Kanokorn Anek
Assistant General Manager
โทรเลขเบอร์ 2-204-0-0004

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No.0009
Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Oct 03, 2025
Report Number : 3395338-3

Page 1 of 3

Sample Number	2582434-1
Sampled Date	Sep 16, 2025 1:45 PM
Sample Description	Wastewater
Location	จุดระบายน้ำทิ้งของโครงการ
Date Analysis Commenced	Sep 16, 2025
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven 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	1.87	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	0.40	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	0.37	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR	-	-	-	0.64	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	0.68	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Pesticides - Organochlorine Group								
alpha-Chlordane	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
gamma-Chlordane	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Hexachlorobenzene	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Oct 03, 2025
Report Number : 3395338-3

Page 2 of 3

Sample Number	2582434-1							
Sampled Date	Sep 16, 2025 1:45 PM							
Sample Description	Wastewater							
Location	จุดตรวจน้ำทิ้งของโครงการ							
Date Analysis Commenced	Sep 16, 2025							
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Pesticides - Organochlorine Group								
Mirex	ug/L	0.01	0.02	Not Detected	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6630 D, part 6410 B	Bangkok
Semi-Volatile Organics Compounds								
Cresol	mg/L	0.0005	0.002	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6410 B	Bangkok
Phenol & Cresol	mg/L	-	0.002	<0.002	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 6410 B	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
Conductivity at 25 Degree C	micromhos/cm	-	0.5	324	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	4.1	≥2	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Gross alpha activity	Bq/L	0.018	0.063	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 900.0 Section I and EPA-600/4/80-032 (1980)	Rayong
Gross beta activity	Bq/L	0.012	0.063	0.217 ± 0.024	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 900.0 Section I and EPA-600/4/80-032 (1980)	Rayong

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Approved by

Sawitree N.
Sawitree Nolsangjam
Manager

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2582434
Date Received : Sep 16, 2025
Date Reported : Oct 03, 2025
Report Number : 3395338-3

Page 3 of 3

Sample Number	2582434-1							
Sampled Date	Sep 16, 2025 1:45 PM							
Sample Description	Wastewater							
Location	จุดตรวจน้ำทิ้งของโครงการ							
Date Analysis Commenced	Sep 16, 2025							
Condition of Sample	Contained in two glass vials, four amber glass bottles and eleven 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	0.89	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	0.031	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO2 (B)	Rayong
Odour	-	-	-	Odourless	No Standard	No Standard	TIS, 257-2549	Rayong
Tar	mg/L	0.5	1.0	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 8015 D	Bangkok
Total Nitrogen as N	mg/L	-	1.0	1.5	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.								
Note : Gross alpha activity and Gross beta activity analysis has been subcontracted to outsource lab.								
Sampling By : Sansoen Khuiyoksui , Pattarapol Sawangjiam								
Remark : - LOD : Limit of Detection - "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)								

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Approved by

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Sawitree Nolsangjam
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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: 2562053
Date Received : Jul 22, 2025
Date Reported : Jul 31, 2025
Report Number : 3364626-1

Page 1 of 10

Sample Number	2562053-1
Sampled Date	Jul 22, 2025 12:08 PM
Sample Description	Surface water
Location	จุดที่ 1 : บริเวณคลองขุดหน้าเหมืองขุดทรายหน้าพื้นที่ 500 เมตร
Date Analysis Commenced	Jul 22, 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	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	4.4	≥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	-	-	-	6.8	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	-	-	28.9	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	73	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	8	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 Khuyoksuai , Pattarapol Sawangjalatam

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Approved by

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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: 2562053
Date Received : Jul 22, 2025
Date Reported : Jul 31, 2025
Report Number : 3364626-1

Page 3 of 10

Sample Number	2562053-2
Sampled Date	Jul 22, 2025 12:18 PM
Sample Description	Surface water
Location	จุดที่ 2 : บริเวณคลองขุดหน้าเหมืองขุดทรายหน้าพื้นที่ 500 เมตร
Date Analysis Commenced	Jul 22, 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	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	4.9	≥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	-	-	-	6.5	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	-	-	28.8	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	70	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	10	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 Khuyoksuai , Pattarapol Sawangjalatam

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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: 2562053
Date Received : Jul 22, 2025
Date Reported : Jul 31, 2025
Report Number : 3346426-1

Page 9 of 10

Sample Number 2562053-5
Sampled Date Jul 22, 2025 11:45 AM
Sample Description Surface water
Location จุดที่ 5 : บริเวณคลองขุมพลาฟัดจตุรบรรจงทางคลองขุมพลาฟัดจตุรบรรจง 500 เมตร
Date Analysis Commenced Jul 22, 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	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	7.1	≥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	-	-	27.8	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	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 : Sarsoen Khuyoksuai , Pattarapol Sawangjalatam

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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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: 2564343
Date Received : Aug 15, 2025
Date Reported : Aug 22, 2025
Report Number : 3352159-1

Page 1 of 10

Sample Number 2564343-1
Sampled Date Aug 15, 2025 10:59 AM
Sample Description Surface water
Location จุดที่ 1 : บริเวณคลองขุมพลาฟัดจตุรบรรจงทางคลองขุมพลาฟัดจตุรบรรจง 500 เมตร
Date Analysis Commenced Aug 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, 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	4.2	≥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	-	-	30.2	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	91	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 Sawangjalatam

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Approved by

Dei Chanchong

Senior Manager

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Analysis / Test Report



Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location: GNC

TESTING
No.0042
Lot ID: 2582435
Date Received : Sep 25, 2025
Date Reported : Oct 03, 2025
Report Number : 3420740-1

Page 5 of 8

Sample Number 2582435-4
Sampled Date Sep 25, 2025 10:51 AM
Sample Description Surface water
Location จุดที่ 4 : บริเวณคลองขุดหน้าเทศบาลนครหาดฉะเชิงเทราฝั่งซ้าย 500 เมตร
Date Analysis Commenced Sep 25, 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	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	-	-	-	7.1	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	-	-	30.6	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	64	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	36	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 : Surawit Narapong , Thanasoun Namakunna

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

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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 : 4210602461
Project Name : Monitoring EIA
Project Location: GNC

TESTING
No.0042
Lot ID: 2582435
Date Received : Sep 25, 2025
Date Reported : Oct 03, 2025
Report Number : 3420740-1

Page 7 of 8

Sample Number 2582435-5
Sampled Date Sep 25, 2025 11:08 AM
Sample Description Surface water
Location จุดที่ 5 : บริเวณคลองขุดหน้าเทศบาลนครหาดฉะเชิงเทราฝั่งขวา 500 เมตร
Date Analysis Commenced Sep 25, 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	5.4	≥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	-	-	28.8	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	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	28	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 : Surawit Narapong , Thanasoun Namakunna

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 : 4210602461
Project Name : Monitoring EIA
Project Location: GNC

TESTING
No.0042
Lot ID: 2589995
Date Received : Oct 21, 2025
Date Reported : Oct 30, 2025
Report Number : 3411790-1

Page 5 of 10

Sample Number 2588995-3
Sampled Date Oct 21, 2025 11:40 AM
Sample Description Surface water
Location จุดที่ 3 : บริเวณจุดบรรจบระหว่างคลองขุมพลกับแนวถนน
Date Analysis Commenced Oct 21, 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	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	4.0	≥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	-	-	-	6.7	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	-	-	32.0	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	64	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	10	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 , Samart Khumpluee

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 : 4210602461
Project Name : Monitoring EIA
Project Location: GNC

TESTING
No.0042
Lot ID: 2589995
Date Received : Oct 21, 2025
Date Reported : Oct 30, 2025
Report Number : 3411790-1

Page 7 of 10

Sample Number 2588995-4
Sampled Date Oct 21, 2025 11:20 AM
Sample Description Surface water
Location จุดที่ 4 : บริเวณแนวถนนเพื่อจุดบรรจบระหว่างคลองขุมพลกับแนวถนนชั้นที่ 500 เมตร
Date Analysis Commenced Oct 21, 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	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	6.1	≥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	-	-	-	6.7	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	-	-	31.6	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	56	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	30	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 , Samart Khumpluee

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 : 4210602461
Project Name : Monitoring EIA
Project Location: GNC

TESTING
No.0042
Lot ID: 2599531
Date Received : Nov 4, 2025
Date Reported : Nov 22, 2025
Report Number : 3436680-1

Page 3 of 10

Sample Number	2599531-2						
Sampled Date	Nov 14, 2025 12:49 PM						
Sample Description	Surface water						
Location	จุดที่ 2 : บริเวณคลองขุดทางใต้ จุดตรวจน้ำดิบ (บริเวณท่าเรือตลาด)						
Date Analysis Commenced	Nov 14, 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	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 (C)	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	6.3	≥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	-	-	-	7.6	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	-	-	30.3	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	58	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	29	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 : Pittahaya Thongtaeng

Remark :
- LOD : Limit of Detection
- "<" : 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 : 4210602461
Project Name : Monitoring EIA
Project Location: GNC

TESTING
No.0042
Lot ID: 2599531
Date Received : Nov 14, 2025
Date Reported : Nov 22, 2025
Report Number : 3436680-1

Page 5 of 10

Sample Number	2599531-3						
Sampled Date	Nov 14, 2025 1:00 PM						
Sample Description	Surface water						
Location	จุดที่ 3 : บริเวณจุดตรวจระหว่างคลองขุดกับแนวถนน						
Date Analysis Commenced	Nov 14, 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	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	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	-	-	-	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	-	-	28.4	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	52	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	32	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 : Pittahaya Thongtaeng

Remark :
- LOD : Limit of Detection
- "<" : 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 : 4210602461
Project Name : Monitoring EIA
Project Location: GNC

TESTING
No.0042
Lot ID: 2599531
Date Received : Nov 14, 2025
Date Reported : Nov 22, 2025
Report Number : 3436680-1

Page 7 of 10

Page 7 of 10

Sample Number	2599531-4						
Sampled Date	Nov 14, 2025 1:20 PM						
Sample Description	Surface water						
Location	จุดที่ 4 : บริเวณแนวถนนเพื่อจุดตรวจระหว่างคลองขุดกับแนวถนนชั้นใต้ 500 เมตร						
Date Analysis Commenced	Nov 14, 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	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	7.4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	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	-	-	28.1	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	45	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	37	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 : Pittahaya Thongtaeng

Remark :
- LOD : Limit of Detection
- "<" : 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 : 4210602461
Project Name : Monitoring EIA
Project Location: GNC

TESTING
No.0042
Lot ID: 2599531
Date Received : Nov 14, 2025
Date Reported : Nov 22, 2025
Report Number : 3436680-1

Page 9 of 10

Sample Number	2599531-5						
Sampled Date	Nov 14, 2025 1:23 PM						
Sample Description	Surface water						
Location	จุดที่ 5 : บริเวณแนวถนนหน้าจุดตรวจระหว่างคลองขุดกับแนวถนนเลี้ยว 500 เมตร						
Date Analysis Commenced	Nov 14, 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	In-house method : STM 04-061 based on United States Environmental Protection Agency, 1999, EPA Method 300.1	Rayong
Chlorite *	mg/L	0.05	0.1	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	7.4	≥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	-	-	-	7.4	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	-	-	28.1	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	42	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	34	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 : Pittahaya Thongtaeng

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

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 : 4210602461
Project Name : Monitoring EIA
Project Location: GNC

TESTING
No.0042
Lot ID: 25105703
Date Received : Dec 16, 2025
Date Reported : Dec 25, 2025
Report Number : 3452692-1

Page 1 of 10

Sample Number 25105703-1
Sampled Date Dec 16, 2025 11:45 AM
Sample Description Surface water
Location จุดที่ 1 : บริเวณคลองขุมพลเหนือจุดตรวจน้ำทิ้งชั้นไม่ 500 เมตร
Date Analysis Commenced Dec 16, 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	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	6.4	≥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	-	-	27.5	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	144	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	85	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 Khuiyoksai , Akkarin Budsaktee

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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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location: GNC

TESTING
No.0042
Lot ID: 25105703
Date Received : Dec 16, 2025
Date Reported : Dec 25, 2025
Report Number : 3452692-1

Page 3 of 10

Sample Number 25105703-2
Sampled Date Dec 16, 2025 11:59 AM
Sample Description Surface water
Location จุดที่ 2 : บริเวณคลองขุมพล ณ จุดตรวจน้ำทิ้ง (บริเวณท่ารถตลาด) (บริเวณท่ารถตลาด)
Date Analysis Commenced Dec 16, 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	2.5	≤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	4.6	≥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	-	-	-	7.4	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	-	-	27.5	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	270	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	81	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 Khuiyoksai , Akkarin Budsaktee

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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

TESTING
No. 0042
Lot ID: 25105703
Date Received : Dec 16, 2025
Date Reported : Dec 25, 2025
Report Number : 3452692-1

Page 9 of 10

Sample Number	25105703-5						
Sampled Date	Dec 16, 2025 12:25 PM						
Sample Description	Surface water						
Location	จุดที่ 5 : บริเวณแนวพิกัดทางทิศตะวันตกของพื้นที่แนวพิกัด 500 เมตร						
Date Analysis Commenced	Dec 16, 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	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	7.8	≥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		-	-	7.1	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	-	-	27.9	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	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	24	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 , Akkarin Budsaktee

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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 : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2588997
Date Received : Oct 20, 2025
Date Reported : Oct 29, 2025
Report Number : 3437502-1

Page 1 of 1

Sample Number	2588997-1						
Sampled Date	Oct 20, 2025 11:30 AM						
Sample Description	Ground water						
Location	Down gradient well no.1						
Date Analysis Commenced	Oct 20, 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		-	-	7.7	6.5-9.2 (I)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	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): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อหรือน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อหรือน้ำที่ใช้เป็นบ่ออ้างอิงบนทิศทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่ใช้บริโภคคือ 6.5-9.2

Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-0052 , Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

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

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 : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2588997
Date Received : Oct 20, 2025
Date Reported : Oct 29, 2025
Report Number : 3437502-2

Page 1 of 1

Sample Number	2588997-1						
Sampled Date	Oct 20, 2025 11:30 AM						
Sample Description	Ground water						
Location	Down gradient well no.1						
Date Analysis Commenced	Oct 20, 2025						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O 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, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen	mg/L	-	0.1	3.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	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
Temperature	Degree C	-	-	32.7	No Standard	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	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	7	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 Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampling By : Narunat thammasaro , Thanasoun Namakunna

Remark :
- LOD : Limit of Detection
- "<" : 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 : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2588997
Date Received : Oct 20, 2025
Date Reported : Oct 29, 2025
Report Number : 3437503-1

Page 1 of 1

Sample Number	2588997-2						
Sampled Date	Oct 20, 2025 11:50 AM						
Sample Description	Ground water						
Location	Down gradient well no.2						
Date Analysis Commenced	Oct 20, 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

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Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-0052 , Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

Remark :
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- "<" : 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

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 : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2588997
Date Received : Oct 20, 2025
Date Reported : Oct 29, 2025
Report Number : 3437503-2

Page 1 of 1

Sample Number	2588997-2						
Sampled Date	Oct 20, 2025 11:50 AM						
Sample Description	Ground water						
Location	Down gradient well no.2						
Date Analysis Commenced	Oct 20, 2025						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O 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, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen	mg/L	-	0.1	3.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	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
Temperature	Degree C	-	-	32.3	No Standard	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	452	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	12	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 Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampling By : Narunat thammasaro , Thanasoun Namakunna

Remark :
- LOD : Limit of Detection
- "<" : 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 : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2588997
Date Received : Oct 20, 2025
Date Reported : Oct 29, 2025
Report Number : 3437504-1

Page 1 of 1

Sample Number	2588997-3						
Sampled Date	Oct 20, 2025 12:20 PM						
Sample Description	Ground water						
Location	Up gradient well						
Date Analysis Commenced	Oct 20, 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): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อหรือน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อหรือน้ำที่ใช้เป็นบ่ออ้างอิงบนทิศทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่ใช้บริโภคคือ 6.5-9.2

Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-0052 , Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-0101

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

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-จ-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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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2588997
Date Received : Oct 20, 2025
Date Reported : Oct 29, 2025
Report Number : 3437504-2

Page 1 of 1

Sample Number	2588997-3						
Sampled Date	Oct 20, 2025 12:20 PM						
Sample Description	Ground water						
Location	Up gradient well						
Date Analysis Commenced	Oct 20, 2025						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O 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, 1999, EPA Method 300.1	Bangkok
Dissolved Oxygen	mg/L	-	0.1	1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	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
Temperature	Degree C	-	-	29.2	No Standard	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	1250	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 Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampling By : Narunat thammasaro , Thanasoun Namakunna

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

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

Approved by

Photchana S

Photchana Seeda
Scientist (4)

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ภาคผนวก ค-7

คุณภาพน้ำใต้ดิน



สถานีวิทยุประสมศรีราชา
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

รายงานผลการวิเคราะห์แหล่งท้องถิ่น
ตาราง ผลการวิเคราะห์แหล่งท้องถิ่น (เก็บตัวอย่างวันที่ 21 ตุลาคม 2568)

ชนิดแหล่งท้องถิ่น	ปริมาณแหล่งท้องถิ่น (หน่วยต่อลิตร)			
	2588999-1	2588999-2	2588999-3	2588999-4
Division Cyanophyta				
Class Cyanophyceae				
Order Nostocales				
Family Oscillatoriaceae				
1. <i>Oscillatoria</i> sp.	-	9	23	12
Family Nostocaceae				
2. <i>Anabaena</i> sp.	-	-	-	-
Division Chlorophyta				
Class Chlorophyceae				
Order Volvocales				
Family Volvocaceae				
3. <i>Eudorina elegans</i>	-	-	12	-
4. <i>Pandorina morum</i>	-	-	12	-

ตาราง ผลการวิเคราะห์แหล่งท้องถิ่น (เก็บตัวอย่างวันที่ 21 ตุลาคม 2568)
(ต่อ)

ชนิดแหล่งท้องถิ่น	ปริมาณแหล่งท้องถิ่น (หน่วยต่อลิตร)			
	2588999-1	2588999-2	2588999-3	2588999-4
Order Chlorococcales				
Family Coelastraceae				
5. <i>Coelastrum microporum</i>	23	-	23	-
Family Oocystaceae				
6. <i>Ankistrodesmus spiralis</i>	-	-	23	-
7. <i>Arthrodesmus convergens</i>	-	26	-	-
8. <i>Dictyosphaerium pulchellum</i>	23	9	-	-
9. <i>Tetraedron trigonum</i>	45	17	-	-
Family Scenedesmacaceae				
10. <i>Scenedesmus serratus</i>	-	-	23	-
Order Zyematales				
Family Mesotaeniaceae				
11. <i>Gonatozygon aculeatum</i>	-	9	-	-
Family Desmidiaceae				
12. <i>Closterium acerosum</i>	-	17	-	-
13. <i>Closterium ehrenbergii</i>	-	-	12	-
14. <i>Closterium gracile</i>	11	-	-	-
15. <i>Closterium lineatum</i>	45	9	46	10
16. <i>Euastrum denticulatum</i>	11	-	-	-
17. <i>Euastrum spinulosum</i>	-	-	-	12
18. <i>Microsterias pinnatifida</i>	-	9	-	-
19. <i>Staurastrum gracile</i>	11	-	12	-
20. <i>Staurastrum manfeldtii</i>	-	-	12	-
21. <i>Staurastrum pinnatum</i>	11	-	-	-
22. <i>Staurastrum punctulatum</i>	11	-	-	-

ตาราง ผลการวิเคราะห์แหล่งก่อเนพืช (เก็บตัวอย่างวันที่ 21 ตุลาคม 2568)
(ต่อ)

ชนิดแหล่งก่อเนพืช	ปริมาณแหล่งก่อเนพืช (หน่วยต่อลิตร)			
	2588999-1	2588999-2	2588999-3	2588999-4
Class Euglenophyceae				
Order Euglenales				
Family Euglenaceae				
23. <i>Euglena acus</i>	45	26	230	-
24. <i>Euglena fusca</i>	34	35	104	-
25. <i>Euglena oxyuris</i>	-	-	23	12
26. <i>Euglena</i> sp.	57	70	104	23
27. <i>Lepocinclis ovum</i>	79	35	81	23
28. <i>Phacus angulatus</i>	11	-	12	-
29. <i>Phacus hamatus</i>	11	-	-	-
30. <i>Phacus horridus</i>	34	-	-	-
31. <i>Phacus longicauda</i>	34	-	12	-
32. <i>Phacus pleuronectes</i>	-	-	-	12
33. <i>Phacus ramila</i>	-	-	12	-
34. <i>Strombomonas acuminata</i>	11	-	-	12
35. <i>Strombomonas australica</i>	-	-	-	12
36. <i>Strombomonas gibberosa</i>	11	-	23	-
37. <i>Strombomonas girardiana</i>	45	17	92	-
38. <i>Strombomonas</i> sp.	-	-	23	-
39. <i>Trachelomonas crebea</i>	57	17	58	-
40. <i>Trachelomonas daugerdiana</i>	-	17	23	-
41. <i>Trachelomonas hispida</i>	316	104	345	35
42. <i>Trachelomonas mirabilis</i>	-	-	-	-
43. <i>Trachelomonas similis</i>	-	-	35	-
44. <i>Trachelomonas superba</i>	-	-	12	-
45. <i>Trachelomonas volzii</i>	-	-	12	-

ตาราง ผลการวิเคราะห์แหล่งก่อเนพืช (เก็บตัวอย่างวันที่ 21 ตุลาคม 2568)
(ต่อ)

ชนิดแหล่งก่อเนพืช	ปริมาณแหล่งก่อเนพืช (หน่วยต่อลิตร)			
	2588999-1	2588999-2	2588999-3	2588999-4
Division Chromophyta				
Class Bacillariophyceae				
Order Bacillariales				
Suborder Fragilariineae				
Family Fragilariaceae				
46. <i>Synedra acus</i>	-	-	12	-
47. <i>Synedra ulna</i>	-	9	-	-
Suborder Bacillariineae				
Family Eunotiaceae				
48. <i>Eunotia lineolata</i>	23	-	-	-
49. <i>Eunotia pectinalis</i>	11	-	-	-
Family Cymbellaceae				
50. <i>Gomphonema parvulum</i>	-	-	-	12
Family Naviculaceae				
51. <i>Amphora</i> sp.	-	-	12	-
52. <i>Navicula lanceolata</i>	-	9	-	-
53. <i>Pinnularia gibba</i>	23	9	12	-
Class Cryosophyceae				
Order Synurales				
Family Mallomonadaceae				
54. <i>Mallomonas litomesa</i>	9	9	-	-
Class Dinophyceae				
Order Peridinales				
Family Peridiniaceae				
55. <i>Peridinium gatunense</i>	-	9	12	-
56. <i>Peridinium</i> sp.	-	-	-	12

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 21 ตุลาคม 2568)
(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลิตร)			
	2588999-1	2588999-2	2588999-3	2588999-5
Order Phytodiniales				
Family Phytodiniaceae				
57. <i>Cystodinium</i> sp.	-	-	12	-
ชนิดแพลงก์ตอนพืช	26	21	32	11
ปริมาณแพลงก์ตอนพืช	1,002	471	1,459	177
ดัชนีความหลากหลายแพลงก์ตอนพืช	2.6764	2.6787	2.7858	2.3105
ดัชนีความสม่ำเสมอแพลงก์ตอนพืช	0.8215	0.8798	0.8038	0.9636
				0.9438


Sample Location : 1. สถานี 2588999-1 : จุดที่ 1 : บริเวณคลองขุมพลเหนือจุดระยะขนานขึ้นน้ำทั้งขึ้น ไป 500 เมตร
2. สถานี 2588999-2 : จุดที่ 2 : บริเวณคลองขุมพล ณ จุดระยะขนานขึ้นน้ำทั้ง (บริเวณผ่านทอดบยศร)
3. สถานี 2588999-3 : จุดที่ 3 : บริเวณจุดบรรจบระหว่างคลองขุมพลกับแควหนุมาน
4. สถานี 2588999-4 : จุดที่ 4 : บริเวณแควหนุมานเหนือจุดบรรจบระหว่างคลองขุมพลกับแควหนุมานขึ้นน้ำไป 500 เมตร
5. สถานี 2588999-5 : จุดที่ 5 : บริเวณแควหนุมานท้ายจุดบรรจบระหว่างคลองขุมพลกับแควหนุมานลงน้ำไป 500 เมตร

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



(นางสาวกวนวรม ขาวดอน)

ผู้วิเคราะห์



(นางอลงกต 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 : CNC

รายงานผลการวิเคราะห์แพลงก์ตอนสัตว์
ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 21 ตุลาคม 2568)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลิตร)			
	2588999-1	2588999-2	2588999-3	2588999-5
Phylum Protozoa				
Subphylum Plasmiodroma				
Class Sarcodina				
Subclass Rhizopoda				
Order Testacida				
Family Arcellidae				
1. <i>Arcella</i> sp.	11	-	12	-
Subphylum Ciliophora				
Class Ciliata				
Subclass Spiotricha				
Order Tintinnida				
Family Codonellidae				
2. <i>Tintinnopsis</i> sp.	-	29	12	23
				20


ตาราง ผลการวิเคราะห์แหล่งก่อมลพิษ (เก็บตัวอย่างวันที่ 21 ตุลาคม 2568)
(ต่อ)

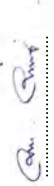
ชนิดแหล่งก่อมลพิษ	ปริมาณแหล่งก่อมลพิษ (หน่วยลิตร)			
	2588999-1	2588999-2	2588999-3	2588999-4
Phylum Rotifera				
Class Monogononta				
Order Plolima				
Family Brachionidae				
3. <i>Keratella cochlearis</i>	-	-	23	-
4. <i>Lepadella acuminata</i>	11	-	-	-
Family Notommatidae				
5. <i>Cephalodella gibba</i>	11	-	-	12
Family Tricocercidae				
6. <i>Trichocerca pusilla</i>	34	-	-	-
Family Gastropodidae				
7. <i>Ascomorpha</i> sp.	11	-	-	-
Family Synchaetidae				
8. <i>Polyarthra vulgaris</i>	-	26	-	12
Phylum Arthropoda				
Class Crustacea				
Subelass Copepoda				
9. Copepod nauplius	-	9	-	-
ชนิดแหล่งก่อมลพิษ	5	3	3	3
ปริมาณแหล่งก่อมลพิษ	78	64	47	47
ดัชนีความหลากหลายแหล่งก่อมลพิษ	1.4669	1.0005	1.0469	1.0469
ดัชนีความสม่ำเสมอแหล่งก่อมลพิษ	0.9114	0.9107	0.9529	0.9529
				0.9431

Sample Location : 1. สถานี 25888999-1 : จุดที่ 1 : บริเวณคลองชุมชนพลเหนือจุดระบายน้ำทิ้งขึ้น ไป 500 เมตร
2. สถานี 25888999-2 : จุดที่ 2 : บริเวณคลองชุมชน จุดระบายน้ำทิ้ง (บริเวณฝ่ายทยบยศร)
3. สถานี 25888999-3 : จุดที่ 3 : บริเวณจุดระบายระหว่างคลองชุมชนพลกับแควพูนาม

4. สถานี 25888999-4 : จุดที่ 4 : บริเวณแควพูนามเหนือจุดระบายระหว่างคลองชุมชนพลกับ
แควพูนามขึ้น ไป 500 เมตร
5. สถานี 25888999-5 : จุดที่ 5 : บริเวณแควพูนามเหนือจุดระบายระหว่างคลองชุมชนพลกับ
แควพูนามลง ไป 500 เมตร

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


.....
(นางสาวกนกวรรณ ขาวดอน)
ผู้วิเคราะห์


.....
(นายอลงกต อิมพรชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา
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อ. ศรีราชา จ. ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : GulfNC Co., Ltd.
Address : 418 Moo 1, Nontree, Kabin Buri, Prachinburi, Thailand, 25110
Project Name : Monitoring EIA
Project Location : GNC

รายงานผลการวิเคราะห์สัตว์น้ำดิน

ตาราง ผลการวิเคราะห์สัตว์น้ำดิน (เก็บตัวอย่างวันที่ 21 ตุลาคม 2568)

สกุลสัตว์น้ำดิน	ปริมาณสัตว์น้ำดิน (ตัวต่อตารางเมตร)			
	2588998-1	2588998-2	2588998-3	2588998-4
Phylum Annelida				2588998-5
Class Clitellata				
Order Lumbriculida				
Family Lumbriculidae				
Lumbriculus sp. (ไส้เดือนน้ำ)				
Order Tubificida				
Family Naididae				
Branchiura sp. (ไส้เดือนน้ำ)		134	-	-
Phylum Arthropoda				
Class Insecta				
Order Diptera				
Family Chironomidae				
Chironomus sp. (หนอนแดง)	252	-	60	163
				30

ตาราง ผลการวิเคราะห์สัตว์น้ำดิน (เก็บตัวอย่างวันที่ 21 ตุลาคม 2568)

(ต่อ)

สกุลสัตว์น้ำดิน	ปริมาณสัตว์น้ำดิน (ตัวต่อตารางเมตร)			
	2588998-1	2588998-2	2588998-3	2588998-4
Order Hemiptera				2588998-5
Family Notonectidae				
Anisops sp. (นูนกรรเชียง)	-	-	-	60
Order Trichoptera				
Family Hydropsychidae				
Hydropsyche sp. (ตัวอ่อนแมลงหนอนดุน้ำ)	-	-	60	-
Phylum Mollusca				
Class Gastropoda				
Order Architaenioglossa				
Family Ampullariidae				
Pomacea sp. (หอยขม)	15	-	-	-
Family Thiaridae				
Tarebia sp. (หอยเจดีย์)	60	-	-	-
Family Viviparidae				
Filopaludina sp. (หอยขม)	15	-	-	-
สกุลสัตว์น้ำดิน	4	1	3	3
ปริมาณสัตว์น้ำดิน	342	134	135	253
ค่าดัชนีความหลากหลายสัตว์น้ำดิน	0.8046	0.0000	0.9650	0.8774
				0.0000

Sample Location : 1. สถานี 2588998-1 : จุดที่ 1 : บริเวณคลองชุมพลเหนือจุดระยะบานนี้ตั้งขึ้นไป 500 เมตร
2. สถานี 2588998-2 : จุดที่ 2 : บริเวณคลองชุมพล ณ จุดระยะบานนี้ถึง (บริเวณฝายทดน้ำชลประทาน)

3. สถานี 2588998-3 : จุดที่ 3 : บริเวณจุดบรรจบระหว่างคลองชุมพลกับแควหนาม

4. สถานี 2588998-4 : จุดที่ 4 : บริเวณแควหนามเหนือจุดบรรจบระหว่างคลองชุมพลกับ แควหนามขึ้นไปถึง 500 เมตร

5. สถานี 2588998-5 : จุดที่ 5 : บริเวณเขื่อนกั้นจุดบรรจบระหว่างคลองชุมพลกับ
เขื่อนขุนนางลง ไป 500 เมตร

Condition of Sample : contained in one plastic zip bag

ดร.อรรถวิทย์ กัทธวงค์

(นายอรรถวิทย์ กัทธวงค์)

ผู้วิเคราะห์

ดร.อรรถวิทย์ กัทธวงค์

(นายอรรถวิทย์ กัทธวงค์)

หัวหน้าสถานีวิจัยประมงสัตว์น้ำ

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: 2564333

Date Received : Aug 08, 2025

Date Reported : Aug 15, 2025

Report Number: 3383414-1

Page 1 of 1

Sample Number	2564333-1		
Parameter	Noise (Leq 8 hrs.)		
Location	บริเวณ Cooling Tower		
Measurement Date	Aug 07, 2025		
Measurement by	Chanon Booncheun		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:48 AM - 12:48 PM	82.3	83.9	82.2
12:48 PM - 01:48 PM	82.2	83.8	82.1
01:48 PM - 02:48 PM	82.2	83.6	82.1
02:48 PM - 03:48 PM	82.3	83.7	82.2
03:48 PM - 04:48 PM	82.5	84.0	82.4
04:48 PM - 05:48 PM	82.7	84.1	82.6
05:48 PM - 06:48 PM	82.7	93.9	82.5
06:48 PM - 07:48 PM	82.7	84.1	82.6
Leq Average 8 hrs. (dB(A))	82.5		
Lmax (dB(A))		93.9	
Standard (dB(A))	90	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

Technical Management

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Scientist (3)

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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 : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2564333

Date Received : Aug 08, 2025

Date Reported : Aug 15, 2025

Report Number: 3383415-1

Page 1 of 1

Sample Number	2564333-2		
Parameter	Noise (Leq 8 hrs.)		
Location	บริเวณ Gas Compressor		
Measurement Date	Aug 07, 2025		
Measurement by	Chanon Booncheun		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:54 AM - 11:54 AM	59.6	68.7	58.8
11:54 AM - 12:54 PM	61.4	63.7	60.6
12:54 PM - 01:54 PM	59.6	62.4	58.6
01:54 PM - 02:54 PM	59.4	64.0	58.8
02:54 PM - 03:54 PM	60.5	79.7	59.5
03:54 PM - 04:54 PM	61.2	79.4	59.6
04:54 PM - 05:54 PM	65.7	96.6	60.0
05:54 PM - 06:54 PM	61.3	66.7	60.5
Leq Average 8 hrs. (dB(A))	61.6		
Lmax (dB(A))		96.6	
Standard (dB(A))	90	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

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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: 2564333

Date Received : Aug 08, 2025

Date Reported : Aug 15, 2025

Report Number: 3383416-1

Page 1 of 1

Sample Number	2564333-3
Parameter	Noise (Leq 8 hrs.)
Location	บริเวณ Boiler Feed Pump
Measurement Date	Aug 07, 2025
Measurement by	Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	81.5	82.9	81.3
12:00 PM - 01:00 PM	81.8	82.7	81.5
01:00 PM - 02:00 PM	81.3	81.9	81.1
02:00 PM - 03:00 PM	81.2	81.8	81.1
03:00 PM - 04:00 PM	81.6	82.5	81.3
04:00 PM - 05:00 PM	81.2	82.1	80.9
05:00 PM - 06:00 PM	81.5	82.9	81.3
06:00 PM - 07:00 PM	81.3	81.9	81.1
Leq Average 8 hrs. (dB(A))	81.4		
Lmax (dB(A))		82.9	
Standard (dB(A))	90	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

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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: 2564333

Date Received : Aug 08, 2025

Date Reported : Aug 15, 2025

Report Number: 3383417-1

Page 1 of 1

Sample Number	2564333-4
Parameter	Noise (Leq 8 hrs.)
Location	บริเวณ Gas Turbine Accessories System GT1
Measurement Date	Aug 07, 2025
Measurement by	Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:07 AM - 12:07 PM	81.6	84.6	80.6
12:07 PM - 01:07 PM	82.5	83.7	80.6
01:07 PM - 02:07 PM	80.8	81.4	80.6
02:07 PM - 03:07 PM	80.9	81.6	80.6
03:07 PM - 04:07 PM	81.1	82.0	80.9
04:07 PM - 05:07 PM	81.7	89.5	81.3
05:07 PM - 06:07 PM	81.8	92.6	81.5
06:07 PM - 07:07 PM	81.9	82.6	81.7
Leq Average 8 hrs. (dB(A))	81.6		
Lmax (dB(A))		92.6	
Standard (dB(A))	90	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

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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: 2564333

Date Received : Aug 08, 2025

Date Reported : Aug 15, 2025

Report Number: 3383418-1

Page 1 of 1

Sample Number	2564333-5		
Parameter	Noise (Leq 8 hrs.)		
Location	บริเวณ Gas Turbine Accessories System GT2		
Measurement Date	Aug 07, 2025		
Measurement by	Chanon Booncheun		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:44 AM - 11:44 AM	78.3	96.6	77.8
11:44 AM - 12:44 PM	80.7	83.7	78.7
12:44 PM - 01:44 PM	78.4	81.4	77.5
01:44 PM - 02:44 PM	78.0	79.4	77.8
02:44 PM - 03:44 PM	78.8	81.8	77.9
03:44 PM - 04:44 PM	79.6	82.6	77.6
04:44 PM - 05:44 PM	80.7	83.7	78.7
05:44 PM - 06:44 PM	78.7	81.7	77.8
Leq Average 8 hrs. (dB(A))	79.3		
Lmax (dB(A))		96.6	
Standard (dB(A))	90	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

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P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2564333

Date Received : Aug 08, 2025

Date Reported : Aug 15, 2025

Report Number: 3383419-1

Page 1 of 1

Sample Number	2564333-6		
Parameter	Noise (Leq 8 hrs.)		
Location	บริเวณ Steam Turbine Generator		
Measurement Date	Aug 07, 2025		
Measurement by	Chanon Booncheun		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:26 AM - 11:26 AM	75.0	76.6	74.5
11:26 AM - 12:26 PM	74.7	77.7	74.3
12:26 PM - 01:26 PM	74.7	76.1	74.4
01:26 PM - 02:26 PM	74.7	76.2	74.4
02:26 PM - 03:26 PM	75.3	78.6	74.7
03:26 PM - 04:26 PM	76.4	87.8	75.3
04:26 PM - 05:26 PM	77.1	99.3	75.4
05:26 PM - 06:26 PM	76.1	83.5	75.6
Leq Average 8 hrs. (dB(A))	75.6		
Lmax (dB(A))		99.3	
Standard (dB(A))	90	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

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P/O : 4210602061

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2564333

Date Received : Aug 08, 2025

Date Reported : Aug 15, 2025

Report Number: 3383420-1

Page 1 of 1

Sample Number	2564333-7		
Parameter	Noise (Leq 8 hrs.)		
Location	บริเวณ Steam Turbine Lube Oil Skid		
Measurement Date	Aug 07, 2025		
Measurement by	Chanon Booncheun		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:24 AM - 11:24 AM	75.8	98.5	73.7
11:24 AM - 12:24 PM	73.3	77.7	73.1
12:24 PM - 01:24 PM	74.1	77.4	73.6
01:24 PM - 02:24 PM	74.1	76.6	73.6
02:24 PM - 03:24 PM	74.3	78.9	73.7
03:24 PM - 04:24 PM	74.9	84.0	74.1
04:24 PM - 05:24 PM	76.0	101.3	74.6
05:24 PM - 06:24 PM	75.0	83.0	74.7
Leq Average 8 hrs. (dB(A))	74.8		
Lmax (dB(A))		101.3	
Standard (dB(A))	90	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

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Analysis / Test Report

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

P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2599524

Date Received : Nov 07, 2025

Date Reported : Nov 13, 2025

Report Number: 3449595-1

Page 1 of 1

Sample Number	2599524-1		
Parameter	Noise (Leq 8 hrs.)		
Location	บริเวณ Cooling Tower		
Measurement Date	Nov 06, 2025		
Measurement by	Chanon Booncheun		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:57 AM - 10:57 AM	80.0	102.0	79.7
10:57 AM - 11:57 AM	79.9	83.6	79.7
11:57 AM - 12:57 PM	79.9	83.8	79.7
12:57 PM - 01:57 PM	79.8	83.5	79.7
01:57 PM - 02:57 PM	79.8	83.4	79.7
02:57 PM - 03:57 PM	79.9	83.5	79.7
03:57 PM - 04:57 PM	80.0	83.2	79.9
04:57 PM - 05:57 PM	80.2	88.4	80.0
Leq Average 8 hrs. (dB(A))	79.9		
Lmax (dB(A))		102.0	
Standard (dB(A))	90	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

Technical Management

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Thanita Kulsuriwong
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Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2599524

Date Received : Nov 07, 2025

Date Reported : Nov 13, 2025

Report Number: 3449596-1

Page 1 of 1

Sample Number	2599524-2		
Parameter	Noise (Leq 8 hrs.)		
Location	บริเวณ Gas Compressor		
Measurement Date	Nov 06, 2025		
Measurement by	Chanon Booncheun		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:35 AM - 10:35 AM	59.4	86.8	58.3
10:35 AM - 11:35 AM	59.1	66.4	58.3
11:35 AM - 12:35 PM	59.8	67.6	58.5
12:35 PM - 01:35 PM	61.0	64.5	59.8
01:35 PM - 02:35 PM	60.1	62.9	59.5
02:35 PM - 03:35 PM	60.2	63.5	59.6
03:35 PM - 04:35 PM	60.0	65.2	59.4
04:35 PM - 05:35 PM	60.4	86.8	59.5
Leq Average 8 hrs. (dB(A))	60.0		
Lmax (dB(A))		86.8	
Standard (dB(A))	90	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

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Thanita Kulsuriwong
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Client : Gulf NC Co., Ltd.

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

P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2599524

Date Received : Nov 07, 2025

Date Reported : Nov 13, 2025

Report Number: 3449597-1

Page 1 of 1

Sample Number	2599524-3		
Parameter	Noise (Leq 8 hrs.)		
Location	บริเวณ Boiler Feed Pump		
Measurement Date	Nov 06, 2025		
Measurement by	Chanon Booncheun		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:46 AM - 10:46 AM	74.4	77.8	74.1
10:46 AM - 11:46 AM	73.8	79.2	73.3
11:46 AM - 12:46 PM	73.9	75.8	73.4
12:46 PM - 01:46 PM	73.9	76.0	73.1
01:46 PM - 02:46 PM	73.2	76.3	73.0
02:46 PM - 03:46 PM	73.2	80.2	73.0
03:46 PM - 04:46 PM	73.3	74.6	73.0
04:46 PM - 05:46 PM	73.4	76.3	73.1
Leq Average 8 hrs. (dB(A))	73.7		
Lmax (dB(A))		80.2	
Standard (dB(A))	90	140	
Reference Method : ISO 1996-1 : 2016			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

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S:\Reports\Air Noise.rpt (12:49PM)



Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2599524

Date Received : Nov 07, 2025

Date Reported : Nov 13, 2025

Report Number: 3449598-1

Page 1 of 1

Sample Number	2599524-4
Parameter	Noise (Leq 8 hrs.)
Location	บริเวณ Gas Turbine Accessories System GT1
Measurement Date	Nov 06, 2025
Measurement by	Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:01 AM - 10:01 AM	75.5	78.3	75.3
10:01 AM - 11:01 AM	75.7	79.2	75.5
11:01 AM - 12:01 PM	81.7	91.6	75.5
12:01 PM - 01:01 PM	80.3	83.7	79.5
01:01 PM - 02:01 PM	79.5	80.7	79.3
02:01 PM - 03:01 PM	79.6	80.7	79.3
03:01 PM - 04:01 PM	79.6	80.7	79.3
04:01 PM - 05:01 PM	79.7	89.6	79.4
Leq Average 8 hrs. (dB(A))	79.4		
Lmax (dB(A))		91.6	
Standard (dB(A))	90	140	
Reference Method	: ISO 1996-1 : 2016		
Standard	: ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖		

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Analysis / Test Report

Client : Gulf NC Co., Ltd.

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

P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2599524

Date Received : Nov 07, 2025

Date Reported : Nov 13, 2025

Report Number: 3449599-1

Page 1 of 1

Sample Number	2599524-5
Parameter	Noise (Leq 8 hrs.)
Location	บริเวณ Gas Turbine Accessories System GT2
Measurement Date	Nov 06, 2025
Measurement by	Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:33 AM - 09:33 AM	79.6	81.9	79.2
09:33 AM - 10:33 AM	79.9	82.6	79.3
10:33 AM - 11:33 AM	80.2	82.7	79.5
11:33 AM - 12:33 PM	80.5	83.0	79.7
12:33 PM - 01:33 PM	80.4	83.2	79.6
01:33 PM - 02:33 PM	80.2	82.8	79.5
02:33 PM - 03:33 PM	80.4	83.1	79.7
03:33 PM - 04:33 PM	80.6	83.0	79.9
Leq Average 8 hrs. (dB(A))	80.2		
Lmax (dB(A))		83.2	
Standard (dB(A))	90	140	
Reference Method	: ISO 1996-1 : 2016		
Standard	: ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖		

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P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2599524

Date Received : Nov 07, 2025

Date Reported : Nov 13, 2025

Report Number: 3449600-1

Page 1 of 1

Sample Number 2599524-6
Parameter Noise (Leq 8 hrs.)
Location มริเวณ Steam Turbine Generator
Measurement Date Nov 06, 2025
Measurement by Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:01 AM - 10:01 AM	79.4	81.0	79.1
10:01 AM - 11:01 AM	79.2	80.1	78.9
11:01 AM - 12:01 PM	81.0	85.9	78.9
12:01 PM - 01:01 PM	83.2	87.4	81.8
01:01 PM - 02:01 PM	82.1	83.0	81.9
02:01 PM - 03:01 PM	82.0	84.2	81.8
03:01 PM - 04:01 PM	82.2	83.4	81.9
04:01 PM - 05:01 PM	82.2	95.0	82.0

Leq Average 8 hrs. (dB(A)) 81.6
Lmax (dB(A)) 95.0
Standard (dB(A)) 90
Reference Method : ISO 1996-1 : 2016
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Client : Gulf NC Co., Ltd.

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P/O : 4210602461

Project Name : Monitoring EIA

Project Location : GNC

Lot ID: 2599524

Date Received : Nov 07, 2025

Date Reported : Nov 13, 2025

Report Number: 3449601-1

Page 1 of 1

Sample Number 2599524-7
Parameter Noise (Leq 8 hrs.)
Location มริเวณ Steam Turbine Lube Oil Skid
Measurement Date Nov 06, 2025
Measurement by Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:44 AM - 10:44 AM	73.9	80.2	73.5
10:44 AM - 11:44 AM	73.8	76.6	73.5
11:44 AM - 12:44 PM	73.9	78.5	73.5
12:44 PM - 01:44 PM	75.1	79.2	74.3
01:44 PM - 02:44 PM	74.2	80.8	73.8
02:44 PM - 03:44 PM	74.4	83.9	73.9
03:44 PM - 04:44 PM	74.2	77.1	73.6
04:44 PM - 05:44 PM	74.4	81.3	74.0

Leq Average 8 hrs. (dB(A)) 74.3
Lmax (dB(A)) 83.9
Standard (dB(A)) 90
Reference Method : ISO 1996-1 : 2016
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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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: 2564334
Date Received : Aug 08, 2025
Date Reported : Aug 15, 2025
Report Number: 3352144-1

Page 1 of 6

Sample Number 2564334-1
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date Aug 07, 2025
Measurement by Chanon Booncheun
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Condenser Exhaust Unit	120	29.8	27.8	34.6	34.6
Average (WBGT)		29.8			
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)
- 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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418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2564334
Date Received : Aug 08, 2025
Date Reported : Aug 15, 2025
Report Number: 3352144-1

Page 2 of 6

Sample Number 2564334-2
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date Aug 07, 2025
Measurement by Chanon Booncheun
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณท่อปล่อยไอน้ำ	120	30.4	28.2	35.4	35.3
Average (WBGT)		30.4			
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)
- 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: 2564334
Date Received : Aug 08, 2025
Date Reported : Aug 15, 2025
Report Number: 3352144-1

Page 3 of 6

Sample Number 2564334-3
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date Aug 07, 2025
Measurement by Chanon Booncheun
Location ปฏินัดงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏินัดงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Generator Area 11	120	30.4	27.8	36.6	36.5
Average (WBGT)		30.4			
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: 2564334
Date Received : Aug 08, 2025
Date Reported : Aug 15, 2025
Report Number: 3352144-1

Page 4 of 6

Sample Number 2564334-4
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date Aug 07, 2025
Measurement by Chanon Booncheun
Location ปฏินัดงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏินัดงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Generator Area 12	120	30.2	27.6	36.4	36.4
Average (WBGT)		30.2			
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)
- 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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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: 2564334
Date Received : Aug 08, 2025
Date Reported : Aug 15, 2025
Report Number: 3352144-1

Page 5 of 6

Sample Number 2564334-5
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date Aug 07, 2025
Measurement by Chanon Booncheun
Location ปฏินัดงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏินัดงาน : - แผนก : -)


Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Gasturbine Area 11	120	31.2	28.7	37.0	36.9
Average (WBGT)		31.2			
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)
- 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: 2564334
Date Received : Aug 08, 2025
Date Reported : Aug 15, 2025
Report Number: 3352144-1

Page 6 of 6

Sample Number 2564334-6
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date Aug 07, 2025
Measurement by Chanon Booncheun
Location ปฏินัดงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏินัดงาน : - แผนก : -)


Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Gasturbine Area 12	120	30.3	27.6	36.5	36.5
Average (WBGT)		30.3			
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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418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599527
Date Received : Nov 07, 2025
Date Reported : Nov 13, 2025
Report Number: 3436676-1

Page 1 of 6

Sample Number 2599527-1
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date Nov 06, 2025
Measurement by Chanon Booncheun
Location ปฏินัดงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏินัดงาน : - แผนก : -)


Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณ Condenser Exhaust Unit	120	28.9	27.5	32.1	32.1
Average (WBGT)		28.9			
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 : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599527
Date Received : Nov 07, 2025
Date Reported : Nov 13, 2025
Report Number: 3436676-1

Page 2 of 6

Sample Number 2599527-2
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date Nov 06, 2025
Measurement by Chanon Booncheun
Location ปฏินัดงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏินัดงาน : - แผนก : -)


Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณท่อปล่อยไอน้ำ	120	28.9	27.4	32.5	32.4
Average (WBGT)		28.9			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

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418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599527
Date Received : Nov 07, 2025
Date Reported : Nov 13, 2025
Report Number: 3436676-1

Page 3 of 6

Sample Number 2599527-3
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date Nov 06, 2025
Measurement by Chanon Booncheun
Location ปฏบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)


Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
Generator Area11	120	27.3	26.0	30.5	30.1
Average (WBGT)		27.3			
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)
- Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environmentin relation to Heat,Light and Noise, B.E.2559

Technical Management


Supot Salamteh
Section Head

Approved by


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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 : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599527
Date Received : Nov 07, 2025
Date Reported : Nov 13, 2025
Report Number: 3436676-1

Page 4 of 6

Sample Number 2599527-4
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date Nov 06, 2025
Measurement by Chanon Booncheun
Location ปฏบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)


Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
Gas Turbine Area11	120	27.9	26.2	32.1	31.5
Average (WBGT)		27.9			
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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Analysis / Test Report

Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599527
Date Received : Nov 07, 2025
Date Reported : Nov 13, 2025
Report Number: 3436676-1

Page 5 of 6

Sample Number 2599527-5
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date Nov 06, 2025
Measurement by Chanon Booncheun
Location ปฏบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)


Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
Generator Area12	120	27.9	26.0	32.2	32.1
Average (WBGT)		27.9			
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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Client : Gulf NC Co., Ltd.
418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
P/O : 4210602461
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2599527
Date Received : Nov 07, 2025
Date Reported : Nov 13, 2025
Report Number: 3436676-1

Page 6 of 6

Sample Number 2599527-6
Parameter Heat Stress (Sampling Time : 12.00 PM - 02.00 PM)
Measurement Date Nov 06, 2025
Measurement by Chanon Booncheun
Location ปฏบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)


Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
Gas Turbine Area12	120	27.6	25.4	33.0	32.2
Average (WBGT)		27.6			
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)
- Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environmentin relation to Heat,Light and Noise, B.E.2559

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ภาคผนวก ค-10

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: 2564340 (1)
Date Received : Aug 09, 2025
Date Reported : Aug 13, 2025
Report Number: 2564340 (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	2564340 (1)-1	7-Aug-25	Day time	1	372	379	150	300	Pass	
		2564340 (1)-2	7-Aug-25	Day time	2	386					
2	Area : Administration Building : Women Toilets	2564340 (1)-3	7-Aug-25	Day time	1	288	288	50	100	Pass	
		2564340 (1)-4	7-Aug-25	Day time	2	332					
		2564340 (1)-5	7-Aug-25	Day time	3	347					
		2564340 (1)-6	7-Aug-25	Day time	4	226					
		2564340 (1)-7	7-Aug-25	Day time	5	273					
		2564340 (1)-8	7-Aug-25	Day time	6	264					
3	Area : Administration Building : Men Toilets	2564340 (1)-9	7-Aug-25	Day time	1	331	304	50	100	Pass	
		2564340 (1)-10	7-Aug-25	Day time	2	265					
		2564340 (1)-11	7-Aug-25	Day time	3	303					
		2564340 (1)-12	7-Aug-25	Day time	4	327					
		2564340 (1)-13	7-Aug-25	Day time	5	276					
		2564340 (1)-14	7-Aug-25	Day time	6	322					
4	Area : Administration Building : Walkway in Front of Reception	2564340 (1)-15	7-Aug-25	Day time	1	1,060	729	50	100	Pass	
		2564340 (1)-16	7-Aug-25	Day time	2	317					
		2564340 (1)-17	7-Aug-25	Day time	3	809					
5	Spot : Administration Building : Admin Office Table	2564340 (1)-18	7-Aug-25	Day time	1	412	-	400-500	-	Pass	
6	Spot : Administration Building : Purchasing Officer Table	2564340 (1)-19	7-Aug-25	Day time	1	400	-	400-500	-	Pass	
7	Spot : Administration Building : Admin Manager Table	2564340 (1)-20	7-Aug-25	Day time	1	410	-	400-500	-	Pass	
8	Spot : Administration Building : Photocopier	2564340 (1)-21	7-Aug-25	Day time	1	327	-	300-400	-	Pass	
9	Area : Administration Building : Master document Room	2564340 (1)-22	7-Aug-25	Day time	1	466	462	150	300	Pass	
		2564340 (1)-23	7-Aug-25	Day time	2	487					
		2564340 (1)-24	7-Aug-25	Day time	3	452					
		2564340 (1)-25	7-Aug-25	Day time	4	540					
		2564340 (1)-26	7-Aug-25	Day time	5	418					
		2564340 (1)-27	7-Aug-25	Day time	6	407					

Technical Management

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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: 2564340 (1)
Date Received : Aug 09, 2025
Date Reported : Aug 13, 2025
Report Number: 2564340 (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	2564340 (1)-28	7-Aug-25	Day time	1	2,120	666	50	100	Pass	
		2564340 (1)-29	7-Aug-25	Day time	2	371					
		2564340 (1)-30	7-Aug-25	Day time	3	326					
		2564340 (1)-31	7-Aug-25	Day time	4	372					
		2564340 (1)-32	7-Aug-25	Day time	5	466					
		2564340 (1)-33	7-Aug-25	Day time	6	822					
		2564340 (1)-34	7-Aug-25	Day time	7	216					
		2564340 (1)-35	7-Aug-25	Day time	8	378					
		2564340 (1)-36	7-Aug-25	Day time	9	922					
11	Area : Administration Building : Meeting Room 2	2564340 (1)-37	7-Aug-25	Day time	1	251	326	150	300	Pass	
		2564340 (1)-38	7-Aug-25	Day time	2	470					
		2564340 (1)-39	7-Aug-25	Day time	3	370					
		2564340 (1)-40	7-Aug-25	Day time	4	326					
		2564340 (1)-41	7-Aug-25	Day time	5	263					
		2564340 (1)-42	7-Aug-25	Day time	6	277					
12	Spot : Administration Building : Plant Manager Table	2564340 (1)-43	7-Aug-25	Day time	1	420	-	400-500	-	Pass	
13	Spot : Administration Building : BHS Room Tabel 1	2564340 (1)-44	7-Aug-25	Day time	1	412	-	400-500	-	Pass	
14	Area : Administration Building : Meeting Room 1	2564340 (1)-45	7-Aug-25	Day time	1	318	339	150	300	Pass	
		2564340 (1)-46	7-Aug-25	Day time	2	295					
		2564340 (1)-47	7-Aug-25	Day time	3	312					
		2564340 (1)-48	7-Aug-25	Day time	4	355					
		2564340 (1)-49	7-Aug-25	Day time	5	404					
		2564340 (1)-50	7-Aug-25	Day time	6	412					
		2564340 (1)-51	7-Aug-25	Day time	7	377					
		2564340 (1)-52	7-Aug-25	Day time	8	438					
		2564340 (1)-53	7-Aug-25	Day time	9	200					
		2564340 (1)-54	7-Aug-25	Day time	10	261					
		2564340 (1)-55	7-Aug-25	Day time	11	302					
		2564340 (1)-56	7-Aug-25	Day time	12	395					

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 390 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: 2564340 (2)
Date Received : Aug 09, 2025
Date Reported : Aug 13, 2025
Report Number: 2564340 (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 iring 1	2564340 (2)-1	7-Aug-25	Night time	1	202	-	200-300	-	Pass	
2	Spot : Control Building : 1st Floor : MCC Room iring 2	2564340 (2)-2	7-Aug-25	Night time	1	261	-	200-300	-	Pass	
3	Spot : Control Building : 1st Floor : MCC Room iring 3	2564340 (2)-3	7-Aug-25	Night time	1	277	-	200-300	-	Pass	
4	Spot : Control Building : 1st Floor : MCC Room iring 4	2564340 (2)-4	7-Aug-25	Night time	1	352	-	200-300	-	Pass	
5	Spot : Control Building : 1st Floor : MCC Room iring 5	2564340 (2)-5	7-Aug-25	Night time	1	361	-	200-300	-	Pass	
6	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.1	2564340 (2)-6	7-Aug-25	Day time	1	351	-	200-300	-	Pass	
7	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.2	2564340 (2)-7	7-Aug-25	Day time	1	471	-	200-300	-	Pass	
8	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.3	2564340 (2)-8	7-Aug-25	Day time	1	366	-	200-300	-	Pass	
9	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.4	2564340 (2)-9	7-Aug-25	Day time	1	404	-	200-300	-	Pass	
10	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.5	2564340 (2)-10	7-Aug-25	Day time	1	295	-	200-300	-	Pass	
11	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.6	2564340 (2)-11	7-Aug-25	Day time	1	305	-	200-300	-	Pass	
12	Area : Control Building : 1st Floor : Stairs	2564340 (2)-12	7-Aug-25	Night time	1	694	702	50	100	Pass	
		2564340 (2)-13	7-Aug-25	Night time	2	789					
		2564340 (2)-14	7-Aug-25	Night time	3	624					

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 390 dated February 21 B.E.2561 (2018)

Technical Management

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

Lot ID: 2564340 (3)
Date Received : Aug 09, 2025
Date Reported : Aug 13, 2025
Report Number: 2564340 (3)-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		
2	Area : Control Building : 1st Floor : Walkway	2564340 (3)-1	7-Aug-25	Night time	1	132	131	50	100	Pass	
		2564340 (3)-2	7-Aug-25	Night time	2	104					
		2564340 (3)-3	7-Aug-25	Night time	3	102					
		2564340 (3)-4	7-Aug-25	Night time	4	129					
		2564340 (3)-5	7-Aug-25	Night time	5	193					
		2564340 (3)-6	7-Aug-25	Night time	6	127					



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: 2564340 (4)
Date Received : Aug 09, 2025
Date Reported : Aug 13, 2025
Report Number: 2564340 (4)-1

Page 1 of 3

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	2564340 (4)-1	7-Aug-25	Night time	1	101	104	50	100	Pass
		2564340 (4)-2	7-Aug-25	Night time	2	102				
		2564340 (4)-3	7-Aug-25	Night time	3	110				
2	Area : Control Building : 2nd Floor : Walkway	2564340 (4)-4	7-Aug-25	Day time	1	796	692	50	100	Pass
		2564340 (4)-5	7-Aug-25	Day time	2	943				
		2564340 (4)-6	7-Aug-25	Day time	3	721				
		2564340 (4)-7	7-Aug-25	Day time	4	610				
		2564340 (4)-8	7-Aug-25	Day time	5	587				
		2564340 (4)-9	7-Aug-25	Day time	6	644				
		2564340 (4)-10	7-Aug-25	Day time	7	268				
		2564340 (4)-11	7-Aug-25	Day time	8	793				
		2564340 (4)-12	7-Aug-25	Day time	9	867				
		2564340 (4)-13	7-Aug-25	Night time	1	957		711	50	100
		2564340 (4)-14	7-Aug-25	Night time	2	995				
		2564340 (4)-15	7-Aug-25	Night time	3	546				
		2564340 (4)-16	7-Aug-25	Night time	4	632				
		2564340 (4)-17	7-Aug-25	Night time	5	648				
		2564340 (4)-18	7-Aug-25	Night time	6	579				
		2564340 (4)-19	7-Aug-25	Night time	7	302				
		2564340 (4)-20	7-Aug-25	Night time	8	882				
		2564340 (4)-21	7-Aug-25	Night time	9	861				
3	Area : Control Building : 2nd Floor : Men Toilets	2564340 (4)-22	7-Aug-25	Day time	1	276	271	50	100	Pass
		2564340 (4)-23	7-Aug-25	Day time	2	248				
		2564340 (4)-24	7-Aug-25	Day time	3	200				
		2564340 (4)-25	7-Aug-25	Day time	4	222				
		2564340 (4)-26	7-Aug-25	Day time	5	361				
		2564340 (4)-27	7-Aug-25	Day time	6	321				
4	Area : Control Building : 2nd Floor : Women Toilets	2564340 (4)-28	7-Aug-25	Day time	1	370	246	50	100	Pass
		2564340 (4)-29	7-Aug-25	Day time	2	207				
		2564340 (4)-30	7-Aug-25	Day time	3	160				
5	Area : Control Building : 2nd Floor : Canteen and Pantry Room	2564340 (4)-31	7-Aug-25	Day time	1	1,363	913	150	300	Pass
		2564340 (4)-32	7-Aug-25	Day time	2	832				
		2564340 (4)-33	7-Aug-25	Day time	3	544				

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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: 2564340 (4)
Date Received : Aug 09, 2025
Date Reported : Aug 13, 2025
Report Number: 2564340 (4)-1

Page 2 of 3

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
6	Spot : Control Building : 2nd Floor : Operation Manager Table	2564340 (4)-34	7-Aug-25	Day time	1	990	-	400-500	-	Pass
		2564340 (4)-35	7-Aug-25	Night time	1	465	-	400-500	-	Pass
7	Spot : Control Building : 2nd Floor : Control Room Desk 1	2564340 (4)-36	7-Aug-25	Night time	1	404	-	400-500	-	Pass
8	Spot : Control Building : 2nd Floor : Control Room Desk 2	2564340 (4)-37	7-Aug-25	Night time	1	407	-	400-500	-	Pass
9	Spot : Control Building : 2nd Floor : Control Room Desk 3	2564340 (4)-38	7-Aug-25	Night time	1	411	-	400-500	-	Pass
10	Spot : Control Building : 2nd Floor : Control Room Desk 4	2564340 (4)-39	7-Aug-25	Night time	1	403	-	400-500	-	Pass
11	Spot : Control Building : 2nd Floor : Control Room Desk 5	2564340 (4)-40	7-Aug-25	Night time	1	402	-	400-500	-	Pass
12	Spot : Control Building : 2nd Floor : DSC Room Desk 1	2564340 (4)-41	7-Aug-25	Day time	1	433	-	400-500	-	Pass
		2564340 (4)-42	7-Aug-25	Night time	1	404	-	400-500	-	Pass
13	Spot : Control Building : 2nd Floor : Photocopier	2564340 (4)-43	7-Aug-25	Day time	1	401	-	300-400	-	Pass
14	Spot : Control Building : 2nd Floor : Fax and Copy	2564340 (4)-44	7-Aug-25	Day time	1	310	-	300-400	-	Pass
15	Spot : Control Building : 2nd Floor : Computer No.1	2564340 (4)-45	7-Aug-25	Day time	1	405	-	400-500	-	Pass
16	Spot : Control Building : 2nd Floor : Computer No.2	2564340 (4)-46	7-Aug-25	Day time	1	414	-	400-500	-	Pass
17	Spot : Control Building : 2nd Floor : Telfax Operation Office 1	2564340 (4)-47	7-Aug-25	Night time	1	414	-	400-500	-	Pass
18	Spot : Control Building : 2nd Floor : Telfax Operation Office 2	2564340 (4)-48	7-Aug-25	Night time	1	433	-	400-500	-	Pass
19	Spot : Control Building : 2nd Floor : CCTV Room Table	2564340 (4)-49	7-Aug-25	Day time	1	429	-	400-500	-	Pass
20	Spot : Control Building : 2nd Floor : Control (Table No.1)	2564340 (4)-50	7-Aug-25	Day time	1	577	-	400-500	-	Pass
21	Spot : Control Building : 2nd Floor : Control (Table No.2)	2564340 (4)-51	7-Aug-25	Day time	1	648	-	400-500	-	Pass

Technical Management

Spt S
Supot Salamteh
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



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: 2564340 (4)
Date Received : Aug 09, 2025
Date Reported : Aug 13, 2025
Report Number: 2564340 (4)-1

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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	2564340 (4)-52	7-Aug-25	Day time	1	404	-	400-500	-	Pass
23	Spot : Control Building : 2nd Floor : Computer Control No.2	2564340 (4)-53	7-Aug-25	Day time	1	400	-	400-500	-	Pass
24	Spot : Control Building : 2nd Floor : Computer Control No.3	2564340 (4)-54	7-Aug-25	Day time	1	410	-	400-500	-	Pass
25	Spot : Control Building : 2nd Floor : Computer Control No.4	2564340 (4)-55	7-Aug-25	Day time	1	409	-	400-500	-	Pass
26	Spot : Control Building : 2nd Floor : Computer Control No.5	2564340 (4)-56	7-Aug-25	Day time	1	406	-	400-500	-	Pass
27	Spot : Control Building : 2nd Floor : Computer Control No.6	2564340 (4)-57	7-Aug-25	Day time	1	406	-	400-500	-	Pass
28	Spot : Control Building : 2nd Floor : Computer Control No.7	2564340 (4)-58	7-Aug-25	Day time	1	412	-	400-500	-	Pass
29	Spot : Control Building : 2nd Floor : แผงควบคุม 3 (10MKA10GH001 Generator Control Panel)	2564340 (4)-59	7-Aug-25	Night time	1	213	-	200-300	-	Pass
30	Area : Control Building : 2nd Floor : โรงบำบัดน้ำเสีย #1	2564340 (4)-60	7-Aug-25	Night time	1	101	104	50	100	Pass
		2564340 (4)-61	7-Aug-25	Night time	2	107				
31	Area : Control Building : 2nd Floor : โรงบำบัดน้ำเสีย #2	2564340 (4)-62	7-Aug-25	Night time	1	112	110	50	100	Pass
		2564340 (4)-63	7-Aug-25	Night time	2	109				

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 390 dated February 21 B.E.2561 (2018)

Technical Management

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Analysis / Test Report

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Project Name : Monitoring EIA
Project Location: GNC

Lot ID: 2564340 (5)
Date Received : Aug 09, 2025
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Page 1 of 1

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	2564340 (5)-1	7-Aug-25	Day time	1	377	-	200-300	-	Pass
2	Spot : Terminal & Switchyard Control Building : Terminal Control Room No.2	2564340 (5)-2	7-Aug-25	Day time	1	529	-	200-300	-	Pass
3	Spot : Terminal & Switchyard Control Building : Battery Room No.1	2564340 (5)-3	7-Aug-25	Day time	1	320	-	200-300	-	Pass
4	Spot : Terminal & Switchyard Control Building : Switchgear Room No.1	2564340 (5)-4	7-Aug-25	Day time	1	237	-	200-300	-	Pass
5	Spot : Terminal & Switchyard Control Building : Switchgear Room No.2	2564340 (5)-5	7-Aug-25	Day time	1	200	-	200-300	-	Pass
6	Spot : Terminal & Switchyard Control Building : Switchyard Control Room No.1	2564340 (5)-6	7-Aug-25	Day time	1	403	-	200-300	-	Pass
7	Spot : Terminal & Switchyard Control Building : Switchyard Control Room No.2	2564340 (5)-7	7-Aug-25	Day time	1	401	-	200-300	-	Pass
8	Spot : Terminal & Switchyard Control Building : Battery Room No.2	2564340 (5)-8	7-Aug-25	Day time	1	202	-	200-300	-	Pass

Measurement by : Chanon Booncheun

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Project Name : Monitoring EIA
Project Location: GNC

Lot ID: 2564340 (6)
Date Received : Aug 09, 2025
Date Reported : Aug 13, 2025
Report Number: 2564340 (6)-1

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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	2564340 (6)-1	7-Aug-25	Day time	1	1,171	345	50	100	Pass
		2564340 (6)-2	7-Aug-25	Day time	2	1,091				
		2564340 (6)-3	7-Aug-25	Day time	3	201				
		2564340 (6)-4	7-Aug-25	Day time	4	103				
		2564340 (6)-5	7-Aug-25	Day time	5	112				
		2564340 (6)-6	7-Aug-25	Day time	6	107				
		2564340 (6)-7	7-Aug-25	Day time	7	100				
		2564340 (6)-8	7-Aug-25	Day time	8	107				
		2564340 (6)-9	7-Aug-25	Day time	9	109				
2	Area : Warehouse and Workshop Building : 1st Floor : Warehouse Canteen and Pantry	2564340 (6)-10	7-Aug-25	Day time	1	454	505	150	300	Pass
		2564340 (6)-11	7-Aug-25	Day time	2	414				
		2564340 (6)-12	7-Aug-25	Day time	3	648				
3	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.1	2564340 (6)-13	7-Aug-25	Day time	1	462	-	400-500	-	Pass
4	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.2	2564340 (6)-14	7-Aug-25	Day time	1	472	-	400-500	-	Pass
5	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.3	2564340 (6)-15	7-Aug-25	Day time	1	404	-	400-500	-	Pass
6	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.4	2564340 (6)-16	7-Aug-25	Day time	1	409	-	400-500	-	Pass
7	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.5	2564340 (6)-17	7-Aug-25	Day time	1	475	-	400-500	-	Pass
8	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.6	2564340 (6)-18	7-Aug-25	Day time	1	519	-	400-500	-	Pass
9	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.7	2564340 (6)-19	7-Aug-25	Day time	1	462	-	400-500	-	Pass
10	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.8	2564340 (6)-20	7-Aug-25	Day time	1	400	-	400-500	-	Pass

Technical Management

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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	2564340 (6)-21	7-Aug-25	Day time	1	566	-	400-500	-	Pass
12	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.10	2564340 (6)-22	7-Aug-25	Day time	1	990	-	400-500	-	Pass
13	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.11	2564340 (6)-23	7-Aug-25	Day time	1	908	-	400-500	-	Pass
14	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.12	2564340 (6)-24	7-Aug-25	Day time	1	507	-	400-500	-	Pass
15	Spot : Warehouse and Workshop Building : 1st Floor : Photocopier	2564340 (6)-25	7-Aug-25	Day time	1	533	-	300-400	-	Pass
16	Spot : Warehouse and Workshop Building : 1st Floor : Key Room	2564340 (6)-26	7-Aug-25	Day time	1	405	-	400-500	-	Pass
17	Area : Warehouse and Workshop Building : 1st Floor : Meeting Room	2564340 (6)-27	7-Aug-25	Day time	1	1,507	1028	150	300	Pass
		2564340 (6)-28	7-Aug-25	Day time	2	1,288				
		2564340 (6)-29	7-Aug-25	Day time	3	1,211				
		2564340 (6)-30	7-Aug-25	Day time	4	1,258				
		2564340 (6)-31	7-Aug-25	Day time	5	200				
		2564340 (6)-32	7-Aug-25	Day time	6	521				
		2564340 (6)-33	7-Aug-25	Day time	7	640				
		2564340 (6)-34	7-Aug-25	Day time	8	1,600				

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 390 dated February 21 B.E.2561 (2018)

Technical Management

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418 Moo 1, Nontree, Kabin Buri, Prachinburi Thailand 25110
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Project Name : Monitoring EIA
Project Location: GNC

Lot ID: 2564340 (7)
Date Received : Aug 09, 2025
Date Reported : Aug 13, 2025
Report Number: 2564340 (7)-1

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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	2564340 (7)-1	7-Aug-25	Day time	1	612	698	100	200	Pass
		2564340 (7)-2	7-Aug-25	Day time	2	620				
		2564340 (7)-3	7-Aug-25	Day time	3	735				
		2564340 (7)-4	7-Aug-25	Day time	4	698				
		2564340 (7)-5	7-Aug-25	Day time	5	707				
		2564340 (7)-6	7-Aug-25	Day time	6	799				
		2564340 (7)-7	7-Aug-25	Day time	7	492				
		2564340 (7)-8	7-Aug-25	Day time	8	546				
		2564340 (7)-9	7-Aug-25	Day time	9	412				
		2564340 (7)-10	7-Aug-25	Day time	10	480				
		2564340 (7)-11	7-Aug-25	Day time	11	866				
		2564340 (7)-12	7-Aug-25	Day time	12	847				
		2564340 (7)-13	7-Aug-25	Day time	13	788				
		2564340 (7)-14	7-Aug-25	Day time	14	796				
		2564340 (7)-15	7-Aug-25	Day time	15	747				
		2564340 (7)-16	7-Aug-25	Day time	16	648				
		2564340 (7)-17	7-Aug-25	Day time	17	925				
		2564340 (7)-18	7-Aug-25	Day time	18	847				
2	Area : Warehouse and Workshop Building : Ground Floor : Walkway	2564340 (7)-19	7-Aug-25	Day time	1	877	208	50	100	Pass
		2564340 (7)-20	7-Aug-25	Day time	2	100				
		2564340 (7)-21	7-Aug-25	Day time	3	101				
		2564340 (7)-22	7-Aug-25	Day time	4	211				
		2564340 (7)-23	7-Aug-25	Day time	5	82				
		2564340 (7)-24	7-Aug-25	Day time	6	91				
		2564340 (7)-25	7-Aug-25	Day time	7	100				
		2564340 (7)-26	7-Aug-25	Day time	8	107				
		2564340 (7)-27	7-Aug-25	Day time	9	206				
3	Area : Warehouse and Workshop Building : Ground Floor : Electrical Room/Fitness Room	2564340 (7)-28	7-Aug-25	Day time	1	310	232	50	100	Pass
		2564340 (7)-29	7-Aug-25	Day time	2	208				
		2564340 (7)-30	7-Aug-25	Day time	3	200				
		2564340 (7)-31	7-Aug-25	Day time	4	240				
		2564340 (7)-32	7-Aug-25	Day time	5	211				
		2564340 (7)-33	7-Aug-25	Day time	6	220				
4	Spot : Warehouse and Workshop Building : Ground Floor : C&I Cabinet	2564340 (7)-34	7-Aug-25	Day time	1	412	-	400-500	-	Pass

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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	2564340 (7)-35	7-Aug-25	Day time	1	407	-	400-500	-	Pass
6	Spot : Warehouse and Workshop Building : Ground Floor : Instrument and Control	2564340 (7)-36	7-Aug-25	Day time	1	409	-	400-500	-	Pass
7	Spot : Warehouse and Workshop Building : Ground Floor : Mechanical and Electrical #1	2564340 (7)-37	7-Aug-25	Day time	1	503	-	400-500	-	Pass
8	Spot : Warehouse and Workshop Building : Ground Floor : Mechanical and Electrical #2	2564340 (7)-38	7-Aug-25	Day time	1	446	-	400-500	-	Pass
9	Spot : Warehouse and Workshop Building : Ground Floor : Mechanical and Electrical #3	2564340 (7)-39	7-Aug-25	Day time	1	710	-	400-500	-	Pass
10	Spot : Warehouse and Workshop Building : Ground Floor : Mechanical and Electrical Workshop Room (Table No.3)	2564340 (7)-40	7-Aug-25	Day time	1	783	-	400-500	-	Pass

Measurement by : Chanon Booncheun

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Date Received : Aug 09, 2025
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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 (with Hood)	2564340 (8)-1	7-Aug-25	Night time	1	803	-	300-400	-	Pass
2	Spot : Water Treatment Control Building : Laboratory (with Spectrophotometer)	2564340 (8)-2	7-Aug-25	Night time	1	603	-	400-500	-	Pass
3	Spot : Water Treatment Control Building : Laboratory (with pH)	2564340 (8)-3	7-Aug-25	Night time	1	439	-	400-500	-	Pass
4	Area : Water Treatment Control Building : ทางเข้าห้อง Laboratory	2564340 (8)-4	7-Aug-25	Night time	1	80	106	25	50	Pass
		2564340 (8)-5	7-Aug-25	Night time	2	103				
		2564340 (8)-6	7-Aug-25	Night time	3	104				
		2564340 (8)-7	7-Aug-25	Night time	4	110				
		2564340 (8)-8	7-Aug-25	Night time	5	97				
		2564340 (8)-9	7-Aug-25	Night time	6	96				
		2564340 (8)-10	7-Aug-25	Night time	7	124				
		2564340 (8)-11	7-Aug-25	Night time	8	126				
		2564340 (8)-12	7-Aug-25	Night time	9	116				

Measurement by : Chanon Booncheun

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Project Name : Monitoring EIA
Project Location: GNC

Lot ID: 2599528 (1)
Date Received : Nov 08, 2025
Date Reported : Nov 14, 2025
Report Number: 2599528 (1)-1

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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	2599528 (1)-1 2599528 (1)-2	6-Nov-25 6-Nov-25	Day time Day time	1 2	481 520	500	150	300	Pass
2	Area : Administration Building : Women Toilets	2599528 (1)-3 2599528 (1)-4 2599528 (1)-5 2599528 (1)-6 2599528 (1)-7 2599528 (1)-8	6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25	Day time Day time Day time Day time Day time Day time	1 2 3 4 5 6	262 368 899 330 346 409	436	50	100	Pass
3	Area : Administration Building : Men Toilets	2599528 (1)-9 2599528 (1)-10 2599528 (1)-11 2599528 (1)-12 2599528 (1)-13 2599528 (1)-14	6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25	Day time Day time Day time Day time Day time Day time	1 2 3 4 5 6	253 294 310 328 365 334	314	50	100	Pass
4	Area : Administration Building : Walkway in Front of Reception	2599528 (1)-15 2599528 (1)-16 2599528 (1)-17	6-Nov-25 6-Nov-25 6-Nov-25	Day time Day time Day time	1 2 3	224 730 1,169	708	50	100	Pass
5	Spot : Administration Building : Admin Office Table	2599528 (1)-18	6-Nov-25	Day time	1	404	-	400-500	-	Pass
6	Spot : Administration Building : Purchasing Officer Table	2599528 (1)-19	6-Nov-25	Day time	1	417	-	400-500	-	Pass
7	Spot : Administration Building : Admin Manager Table	2599528 (1)-20	6-Nov-25	Day time	1	409	-	400-500	-	Pass
8	Spot : Administration Building : Photocopier	2599528 (1)-21	6-Nov-25	Day time	1	304	-	300-400	-	Pass
9	Area : Administration Building : Master document Room	2599528 (1)-22 2599528 (1)-23 2599528 (1)-24 2599528 (1)-25 2599528 (1)-26 2599528 (1)-27	6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25	Day time Day time Day time Day time Day time Day time	1 2 3 4 5 6	455 414 478 366 433 429	429	150	300	Pass

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Date Received : Nov 08, 2025
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Report Number: 2599528 (1)-1

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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	2599528 (1)-28 2599528 (1)-29 2599528 (1)-30 2599528 (1)-31 2599528 (1)-32 2599528 (1)-33 2599528 (1)-34 2599528 (1)-35 2599528 (1)-36	6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25	Day time Day time Day time Day time Day time Day time Day time Day time Day time	1 2 3 4 5 6 7 8 9	101 102 119 122 259 256 122 104 1,311	277	50	100	Pass
11	Area : Administration Building : Meeting Room 2	2599528 (1)-37 2599528 (1)-38 2599528 (1)-39 2599528 (1)-40 2599528 (1)-41 2599528 (1)-42	6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25	Day time Day time Day time Day time Day time Day time	1 2 3 4 5 6	222 368 435 340 324 255	324	150	300	Pass
12	Spot : Administration Building : Plant Manager Table	2599528 (1)-43	6-Nov-25	Day time	1	436	-	400-500	-	Pass
13	Spot : Administration Building : EHS Room Tabel 1	2599528 (1)-44	6-Nov-25	Day time	1	428	-	400-500	-	Pass
14	Area : Administration Building : Meeting Room 1	2599528 (1)-45 2599528 (1)-46 2599528 (1)-47 2599528 (1)-48 2599528 (1)-49 2599528 (1)-50 2599528 (1)-51 2599528 (1)-52 2599528 (1)-53 2599528 (1)-54 2599528 (1)-55 2599528 (1)-56	6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25 6-Nov-25	Day time Day time Day time Day time Day time Day time Day time Day time Day time Day time Day time Day time Day time	1 2 3 4 5 6 7 8 9 10 11 12	970 829 711 788 311 384 600 215 267 500 284 159	502	150	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 390 dated February 21 B.E.2561 (2018)

Technical Management

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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: 2599528 (2)
Date Received : Nov 08, 2025
Date Reported : Nov 14, 2025
Report Number: 2599528 (2)-1

Page 1 of 1

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 wiring 1	2599528 (2)-1	6-Nov-25	Night time	1	300	-	200-300	-	Pass
2	Spot : Control Building : 1st Floor : MCC Room wiring 2	2599528 (2)-2	6-Nov-25	Night time	1	303	-	200-300	-	Pass
3	Spot : Control Building : 1st Floor : MCC Room wiring 3	2599528 (2)-3	6-Nov-25	Night time	1	314	-	200-300	-	Pass
4	Spot : Control Building : 1st Floor : MCC Room wiring 4	2599528 (2)-4	6-Nov-25	Night time	1	295	-	200-300	-	Pass
5	Spot : Control Building : 1st Floor : MCC Room wiring 5	2599528 (2)-5	6-Nov-25	Night time	1	297	-	200-300	-	Pass
6	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.1	2599528 (2)-6	6-Nov-25	Day time	1	367	-	200-300	-	Pass
7	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.2	2599528 (2)-7	6-Nov-25	Day time	1	355	-	200-300	-	Pass
8	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.3	2599528 (2)-8	6-Nov-25	Day time	1	327	-	200-300	-	Pass
9	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.4	2599528 (2)-9	6-Nov-25	Day time	1	217	-	200-300	-	Pass
10	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.5	2599528 (2)-10	6-Nov-25	Day time	1	312	-	200-300	-	Pass
11	Spot : Control Building : 1st Floor : Switchgear and Electrical : Room No.6	2599528 (2)-11	6-Nov-25	Day time	1	366	-	200-300	-	Pass
12	Area : Control Building : 1st Floor : Stairs	2599528 (2)-12 2599528 (2)-13 2599528 (2)-14	6-Nov-25 6-Nov-25 6-Nov-25	Night time Night time Night time	1 2 3	220 101 97	139	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 390 dated February 21 B.E.2561 (2018)

Technical Management

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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: 2599528 (3)
Date Received : Nov 08, 2025
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Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
2	Area : Control Building : 1st Floor : Walkway	2599528 (3)-1	6-Nov-25	Night time	1	230	177	50	100	Pass
		2599528 (3)-2	6-Nov-25	Night time	2	132				
		2599528 (3)-3	6-Nov-25	Night time	3	137				
		2599528 (3)-4	6-Nov-25	Night time	4	182				
		2599528 (3)-5	6-Nov-25	Night time	5	190				
		2599528 (3)-6	6-Nov-25	Night time	6	189				

Measurement by : Chanon Booncheun

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

Lot ID: 2599528 (4)
Date Received : Nov 08, 2025
Date Reported : Nov 14, 2025
Report Number: 2599528 (4)-1

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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	2599528 (4)-1	6-Nov-25	Night time	1	411	454	50	100	Pass
		2599528 (4)-2	6-Nov-25	Night time	2	455				
		2599528 (4)-3	6-Nov-25	Night time	3	495				
2	Area : Control Building : 2nd Floor : Walkway	2599528 (4)-4	6-Nov-25	Day time	1	840	690	50	100	Pass
		2599528 (4)-5	6-Nov-25	Day time	2	328				
		2599528 (4)-6	6-Nov-25	Day time	3	793				
		2599528 (4)-7	6-Nov-25	Day time	4	353				
		2599528 (4)-8	6-Nov-25	Day time	5	887				
		2599528 (4)-9	6-Nov-25	Day time	6	827				
		2599528 (4)-10	6-Nov-25	Day time	7	549				
		2599528 (4)-11	6-Nov-25	Day time	8	847				
		2599528 (4)-12	6-Nov-25	Day time	9	788				
		2599528 (4)-13	6-Nov-25	Night time	1	810	668	50	100	
		2599528 (4)-14	6-Nov-25	Night time	2	335				
		2599528 (4)-15	6-Nov-25	Night time	3	681				
		2599528 (4)-16	6-Nov-25	Night time	4	343				
		2599528 (4)-17	6-Nov-25	Night time	5	902				
		2599528 (4)-18	6-Nov-25	Night time	6	823				
3	Area : Control Building : 2nd Floor : Men Toilets	2599528 (4)-22	6-Nov-25	Day time	1	306	454	50	100	Pass
		2599528 (4)-23	6-Nov-25	Day time	2	342				
		2599528 (4)-24	6-Nov-25	Day time	3	244				
4	Area : Control Building : 2nd Floor : Women Toilets	2599528 (4)-25	6-Nov-25	Day time	4	765				Pass
		2599528 (4)-26	6-Nov-25	Day time	5	724				
		2599528 (4)-27	6-Nov-25	Day time	6	341				
		2599528 (4)-28	6-Nov-25	Day time	1	410	283	50	100	
5	Area : Control Building : 2nd Floor : Canteen and Pantry Room	2599528 (4)-30	6-Nov-25	Day time	2	238				Pass
		2599528 (4)-31	6-Nov-25	Day time	3	200				
		2599528 (4)-32	6-Nov-25	Day time	1	1,284	859	150	300	
		2599528 (4)-33	6-Nov-25	Day time	2	873				Pass
		2599528 (4)-33	6-Nov-25	Day time	3	421				

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Lot ID: 2599528 (4)
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Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
6	Spot : Control Building : 2nd Floor : Operation Manager Table	2599528 (4)-34	6-Nov-25	Day time	1	862	-	400-500	-	Pass
		2599528 (4)-35	6-Nov-25	Night time	1	411	-	400-500	-	Pass
7	Spot : Control Building : 2nd Floor : Control Room Desk 1	2599528 (4)-36	11-Nov-25	Night time	1	446	-	400-500	-	Pass
8	Spot : Control Building : 2nd Floor : Control Room Desk 2	2599528 (4)-37	11-Nov-25	Night time	1	507	-	400-500	-	Pass
9	Spot : Control Building : 2nd Floor : Control Room Desk 3	2599528 (4)-38	11-Nov-25	Night time	1	450	-	400-500	-	Pass
10	Spot : Control Building : 2nd Floor : Control Room Desk 4	2599528 (4)-39	11-Nov-25	Night time	1	489	-	400-500	-	Pass
11	Spot : Control Building : 2nd Floor : Control Room Desk 5	2599528 (4)-40	11-Nov-25	Night time	1	432	-	400-500	-	Pass
12	Spot : Control Building : 2nd Floor : DSC Room Desk 1	2599528 (4)-41	6-Nov-25	Day time	1	401	-	400-500	-	Pass
13	Spot : Control Building : 2nd Floor : Photocopier	2599528 (4)-43	6-Nov-25	Day time	1	413	-	300-400	-	Pass
14	Spot : Control Building : 2nd Floor : Fax and Copy	2599528 (4)-44	6-Nov-25	Day time	1	577	-	300-400	-	Pass
15	Spot : Control Building : 2nd Floor : Computer No.1	2599528 (4)-45	6-Nov-25	Day time	1	457	-	400-500	-	Pass
16	Spot : Control Building : 2nd Floor : Computer No.2	2599528 (4)-46	6-Nov-25	Day time	1	416	-	400-500	-	Pass
17	Spot : Control Building : 2nd Floor : T&E ช่างไฟฟ้า Operation Office 1	2599528 (4)-47	6-Nov-25	Night time	1	406	-	400-500	-	Pass
18	Spot : Control Building : 2nd Floor : T&E ช่างไฟฟ้า Operation Office 2	2599528 (4)-48	6-Nov-25	Night time	1	403	-	400-500	-	Pass
19	Spot : Control Building : 2nd Floor : CCTV Room Table	2599528 (4)-49	6-Nov-25	Day time	1	497	-	400-500	-	Pass
20	Spot : Control Building : 2nd Floor : Control (Table No.1)	2599528 (4)-50	6-Nov-25	Day time	1	597	-	400-500	-	Pass
21	Spot : Control Building : 2nd Floor : Control (Table No.2)	2599528 (4)-51	6-Nov-25	Day time	1	506	-	400-500	-	Pass

Technical Management

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Project Location: GNC

Lot ID: 2599528 (4)
Date Received : Nov 08, 2025
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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	2599528 (4)-52	6-Nov-25	Day time	1	404	-	400-500	-	Pass
23	Spot : Control Building : 2nd Floor : Computer Control No.2	2599528 (4)-53	6-Nov-25	Day time	1	418	-	400-500	-	Pass
24	Spot : Control Building : 2nd Floor : Computer Control No.3	2599528 (4)-54	6-Nov-25	Day time	1	505	-	400-500	-	Pass
25	Spot : Control Building : 2nd Floor : Computer Control No.4	2599528 (4)-55	6-Nov-25	Day time	1	472	-	400-500	-	Pass
26	Spot : Control Building : 2nd Floor : Computer Control No.5	2599528 (4)-56	6-Nov-25	Day time	1	467	-	400-500	-	Pass
27	Spot : Control Building : 2nd Floor : Computer Control No.6	2599528 (4)-57	6-Nov-25	Day time	1	482	-	400-500	-	Pass
28	Spot : Control Building : 2nd Floor : Computer Control No.7	2599528 (4)-58	6-Nov-25	Day time	1	411	-	400-500	-	Pass
29	Spot : Control Building : 2nd Floor : แผงควบคุม No.3 (10MKA10GH001 Generator Control Panel)	2599528 (4)-59	6-Nov-25	Night time	1	313	-	200-300	-	Pass
30	Area : Control Building : 2nd Floor : โรงเก็บขยะ #1	2599528 (4)-60	6-Nov-25	Night time	1	562	371	50	100	Pass
		2599528 (4)-61	6-Nov-25	Night time	2	180				
31	Area : Control Building : 2nd Floor : โรงเก็บขยะ #2	2599528 (4)-62	6-Nov-25	Night time	1	510	358	50	100	Pass
		2599528 (4)-63	6-Nov-25	Night time	2	205				

Measurement by : Chanon Booncheun

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Technical Management

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Project Location: GNC

Lot ID: 2599528 (5)
Date Received : Nov 08, 2025
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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	2599528 (5)-1	6-Nov-25	Day time	1	707	-	200-300	-	Pass
2	Spot : Terminal & Switchyard Control Building : Terminal Control Room No.2	2599528 (5)-2	6-Nov-25	Day time	1	671	-	200-300	-	Pass
3	Spot : Terminal & Switchyard Control Building : Battery Room No.1	2599528 (5)-3	6-Nov-25	Day time	1	233	-	200-300	-	Pass
4	Spot : Terminal & Switchyard Control Building : Switchgear Room No.1	2599528 (5)-4	6-Nov-25	Day time	1	312	-	200-300	-	Pass
5	Spot : Terminal & Switchyard Control Building : Switchgear Room No.2	2599528 (5)-5	6-Nov-25	Day time	1	306	-	200-300	-	Pass
6	Spot : Terminal & Switchyard Control Building : Switchgear Control Room No.1	2599528 (5)-6	6-Nov-25	Day time	1	722	-	200-300	-	Pass
7	Spot : Terminal & Switchyard Control Building : Switchgear Control Room No.2	2599528 (5)-7	6-Nov-25	Day time	1	825	-	200-300	-	Pass
8	Spot : Terminal & Switchyard Control Building : Battery Room No.2	2599528 (5)-8	6-Nov-25	Day time	1	229	-	200-300	-	Pass

Measurement by : Chanon Booncheun

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Project Name : Monitoring EIA
Project Location: GNC

Lot ID: 2599528 (6)
Date Received : Nov 08, 2025
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Report Number: 2599528 (6)-1

Page 1 of 2

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	2599528 (6)-1	6-Nov-25	Day time	1	272	279	50	100	Pass
		2599528 (6)-2	6-Nov-25	Day time	2	319				
		2599528 (6)-3	6-Nov-25	Day time	3	256				
		2599528 (6)-4	6-Nov-25	Day time	4	325				
		2599528 (6)-5	6-Nov-25	Day time	5	252				
		2599528 (6)-6	6-Nov-25	Day time	6	277				
		2599528 (6)-7	6-Nov-25	Day time	7	242				
		2599528 (6)-8	6-Nov-25	Day time	8	261				
		2599528 (6)-9	6-Nov-25	Day time	9	306				
2	Area : Warehouse and Workshop Building : 1st Floor : Warehouse Canteen and Pantry	2599528 (6)-10	6-Nov-25	Day time	1	404	404	150	300	Pass
		2599528 (6)-11	6-Nov-25	Day time	2	564				
		2599528 (6)-12	6-Nov-25	Day time	3	243				
3	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.1	2599528 (6)-13	6-Nov-25	Day time	1	403	-	400-500	-	Pass
4	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.2	2599528 (6)-14	6-Nov-25	Day time	1	443	-	400-500	-	Pass
5	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.3	2599528 (6)-15	6-Nov-25	Day time	1	400	-	400-500	-	Pass
6	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.4	2599528 (6)-16	6-Nov-25	Day time	1	400	-	400-500	-	Pass
7	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.5	2599528 (6)-17	6-Nov-25	Day time	1	404	-	400-500	-	Pass
8	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.6	2599528 (6)-18	6-Nov-25	Day time	1	412	-	400-500	-	Pass
9	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.7	2599528 (6)-19	6-Nov-25	Day time	1	418	-	400-500	-	Pass
10	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.8	2599528 (6)-20	6-Nov-25	Day time	1	407	-	400-500	-	Pass

Technical Management

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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	2599528 (6)-21	6-Nov-25	Day time	1	466	-	400-500	-	Pass
12	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.10	2599528 (6)-22	6-Nov-25	Day time	1	435	-	400-500	-	Pass
13	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.11	2599528 (6)-23	6-Nov-25	Day time	1	482	-	400-500	-	Pass
14	Spot : Warehouse and Workshop Building : 1st Floor : Warehouse Officer Table No.12	2599528 (6)-24	6-Nov-25	Day time	1	505	-	400-500	-	Pass
15	Spot : Warehouse and Workshop Building : 1st Floor : Photocopier	2599528 (6)-25	6-Nov-25	Day time	1	660	-	300-400	-	Pass
16	Spot : Warehouse and Workshop Building : 1st Floor : Key Room	2599528 (6)-26	6-Nov-25	Day time	1	600	-	400-500	-	Pass
17	Area : Warehouse and Workshop Building : 1st Floor : Meeting Room	2599528 (6)-27	6-Nov-25	Day time	1	464	516	150	300	Pass
		2599528 (6)-28	6-Nov-25	Day time	2	488				
		2599528 (6)-29	6-Nov-25	Day time	3	855				
		2599528 (6)-30	6-Nov-25	Day time	4	1,093				
		2599528 (6)-31	6-Nov-25	Day time	5	304				
		2599528 (6)-32	6-Nov-25	Day time	6	297				
		2599528 (6)-33	6-Nov-25	Day time	7	330				
		2599528 (6)-34	6-Nov-25	Day time	8	301				

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 390 dated February 21 B.E.2561 (2018)

Technical Management

Supt S
Supt. Salamteh
Section Head

Approved by

Nichan Chonharat
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: 2599528 (7)
Date Received : Nov 08, 2025
Date Reported : Nov 14, 2025
Report Number: 2599528 (7)-1

Page 1 of 2

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	2599528 (7)-1	6-Nov-25	Day time	1	1,381	554	100	200	Pass
		2599528 (7)-2	6-Nov-25	Day time	2	505				
		2599528 (7)-3	6-Nov-25	Day time	3	505				
		2599528 (7)-4	6-Nov-25	Day time	4	463				
		2599528 (7)-5	6-Nov-25	Day time	5	616				
		2599528 (7)-6	6-Nov-25	Day time	6	638				
		2599528 (7)-7	6-Nov-25	Day time	7	408				
		2599528 (7)-8	6-Nov-25	Day time	8	385				
		2599528 (7)-9	6-Nov-25	Day time	9	252				
		2599528 (7)-10	6-Nov-25	Day time	10	411				
		2599528 (7)-11	6-Nov-25	Day time	11	588				
		2599528 (7)-12	6-Nov-25	Day time	12	584				
		2599528 (7)-13	6-Nov-25	Day time	13	512				
		2599528 (7)-14	6-Nov-25	Day time	14	573				
		2599528 (7)-15	6-Nov-25	Day time	15	554				
		2599528 (7)-16	6-Nov-25	Day time	16	577				
		2599528 (7)-17	6-Nov-25	Day time	17	461				
		2599528 (7)-18	6-Nov-25	Day time	18	550				
2	Area : Warehouse and Workshop Building : Ground Floor : Walkway	2599528 (7)-19	6-Nov-25	Day time	1	111	103	50	100	Pass
		2599528 (7)-20	6-Nov-25	Day time	2	105				
		2599528 (7)-21	6-Nov-25	Day time	3	112				
		2599528 (7)-22	6-Nov-25	Day time	4	53				
		2599528 (7)-23	6-Nov-25	Day time	5	76				
		2599528 (7)-24	6-Nov-25	Day time	6	128				
		2599528 (7)-25	6-Nov-25	Day time	7	190				
		2599528 (7)-26	6-Nov-25	Day time	8	56				
		2599528 (7)-27	6-Nov-25	Day time	9	93				
3	Area : Warehouse and Workshop Building : Ground Floor : Electrical Room/Fitness Room	2599528 (7)-28	6-Nov-25	Day time	1	414	426	50	100	Pass
		2599528 (7)-29	6-Nov-25	Day time	2	319				
		2599528 (7)-30	6-Nov-25	Day time	3	300				
		2599528 (7)-31	6-Nov-25	Day time	4	552				
		2599528 (7)-32	6-Nov-25	Day time	5	510				
		2599528 (7)-33	6-Nov-25	Day time	6	460				
4	Spot : Warehouse and Workshop Building : Ground Floor : C&I Cabinet	2599528 (7)-34	6-Nov-25	Day time	1	404	-	400-500	-	Pass

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Supt S
Supt. 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: 2599528 (7)
Date Received : Nov 08, 2025
Date Reported : Nov 14, 2025
Report Number: 2599528 (7)-1

Page 2 of 2

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	2599528 (7)-35	6-Nov-25	Day time	1	407	-	400-500	-	Pass
6	Spot : Warehouse and Workshop Building : Ground Floor : Instrument and Control	2599528 (7)-36	6-Nov-25	Day time	1	410	-	400-500	-	Pass
7	Spot : Warehouse and Workshop Building : Ground Floor : Mechanical and Electrical #1	2599528 (7)-37	6-Nov-25	Day time	1	503	-	400-500	-	Pass
8	Spot : Warehouse and Workshop Building : Ground Floor : Mechanical and Electrical #2	2599528 (7)-38	6-Nov-25	Day time	1	720	-	400-500	-	Pass
9	Spot : Warehouse and Workshop Building : Ground Floor : Mechanical and Electrical #3	2599528 (7)-39	6-Nov-25	Day time	1	602	-	400-500	-	Pass
10	Spot : Warehouse and Workshop Building : Ground Floor : Mechanical and Electrical Workshop Room (Table No.3)	2599528 (7)-40	6-Nov-25	Day time	1	407	-	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 390 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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Client : Gulf NC Co., Ltd.
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P/O :
Project Name : Monitoring EIA
Project Location: GNC

Lot ID: 2599528 (8)
Date Received : Nov 08, 2025
Date Reported : Nov 14, 2025
Report Number: 2599528 (8)-1

Page 1 of 1

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 (ในห้อง)	2599528 (8)-1	6-Nov-25	Night time	1	756	-	300-400	-	Pass
2	Spot : Water Treatment Control Building : Laboratory (ในห้อง Spectrophotometer)	2599528 (8)-2	6-Nov-25	Night time	1	673	-	400-500	-	Pass
3	Spot : Water Treatment Control Building : Laboratory (ในห้อง pH)	2599528 (8)-3	6-Nov-25	Night time	1	414	-	400-500	-	Pass
4	Area : Water Treatment Control Building : ห้องปฏิบัติการ Laboratory	2599528 (8)-4	6-Nov-25	Night time	1	75	107	25	50	Pass
		2599528 (8)-5	6-Nov-25	Night time	2	101				
		2599528 (8)-6	6-Nov-25	Night time	3	97				
		2599528 (8)-7	6-Nov-25	Night time	4	100				
		2599528 (8)-8	6-Nov-25	Night time	5	93				
		2599528 (8)-9	6-Nov-25	Night time	6	82				
		2599528 (8)-10	6-Nov-25	Night time	7	115				
		2599528 (8)-11	6-Nov-25	Night time	8	156				
		2599528 (8)-12	6-Nov-25	Night time	9	142				

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 390 dated February 21 B.E.2561 (2018)

Technical Management

Supot S.
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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
Sample Date May 29, 2025
Sample Description Emission from Stationary Source
Location บ่อก๊าซ HRSG 11
Parameter Flowrate

Relative Accuracy Test Audit Report

Run No.	Date	Time		Flowrate Data		Difference
		Start	Stop	CEMs (Nm ³ /Hr)	RM (Nm ³ /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

Sampled By : Saksit Phaisanphisut

Technical Management

Wichan Choonharat
Manager

Approved by

Sarayuht Jittranont
Assistant General Manager

ระเบียบงานที่ 3-204-R-0006

ระเบียบงานที่ 3-204-R-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
Sample Date May 29, 2025
Sample Description Emission from Stationary Source
Location บ่อก๊าซ 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 Phaisanphisut

Technical Management

Wichan Choonharat
Manager

Approved by

Sarayuht Jittranont
Assistant General Manager

ระเบียบงานที่ 3-204-R-0006

ระเบียบงานที่ 3-204-R-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 2 of 12

Sample Number 2539822-3		Stack Description			
Sampled Date May 29, 2025					
Sample Description Emission from Stationary Source					
Location ตำบล HRSG 11					
Date Analysis Commenced Jun 04, 2025					
Ambient Pressure	755	mmHg	Diameter	3.35	m
Ambient Temperature	32.3	°C	Shape	Circle	
Type of Process	Combustion		Stack Temperature	102	°C
Type of Fuel	Natural Gas		Moisture	9.64	%
			Gas Velocity		m/s
			Flow Rate (Actual O2)		276865 Nm3/hr
Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7%O₂
Air Testing					Method
Flow rate	12:01 PM - 12:21 PM	Nm3/hr	-	-	117518
					U.S. Environmental Protection Agency, Method 2

Sampling By : Saksit Phaisanphisut

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

Orawan R.

Approved by

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 1 of 12

Sample Number 2539822-2		Stack Description			
Sampled Date May 29, 2025					
Sample Description Emission from Stationary Source					
Location ตำบล HRSG 11					
Date Analysis Commenced Jun 04, 2025					
Ambient Pressure	755	mmHg	Diameter	3.35	m
Ambient Temperature	32.3	°C	Shape	Circle	
Type of Process	Combustion		Stack Temperature	110	°C
Type of Fuel	Natural Gas		Moisture	9.64	%
			Gas Velocity		m/s
			Flow Rate (Actual O2)		337881 Nm3/hr
Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7%O₂
Air Testing					Method
Flow rate	11:40 AM - 12:00 PM	Nm3/hr	-	-	145848
					U.S. Environmental Protection Agency, Method 2

Sampling By : Saksit Phaisanphisut

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

Orawan R.

Approved by

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 4 of 12

Sample Number		2539822-5						
Sampled Date		May 29, 2025						
Sample Description		Emission from Stationary Source						
Location		ตำบล 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 %O₂	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 Phaisanphisit

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 3 of 12

Sample Number		2539822-4						
Sampled Date		May 29, 2025						
Sample Description		Emission from Stationary Source						
Location		ตำบล 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 %O₂	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 Phaisanphisit

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 5 of 12

Sample Number	2539822-6			
Sampled Date	May 29, 2025			
Sample Description	Emission from Stationary Source			
Location	ตำบล HRSG 11			
Date Analysis Commenced	Jun 04, 2025			

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
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

Air Testing							
Flow rate	01:04 PM - 01:24 PM	Nm ³ /hr	-	-	172523	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisit

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

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Orawan R.

Approved by

Orawan Rakpong
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 6 of 12

Sample Number	2539822-7			
Sampled Date	May 29, 2025			
Sample Description	Emission from Stationary Source			
Location	ตำบล HRSG 11			
Date Analysis Commenced	Jun 04, 2025			

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
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

Air Testing							
Flow rate	01:25 PM - 01:45 PM	Nm ³ /hr	-	-	174856	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisit

Remark :
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Orawan R.

Approved by

Orawan Rakpong
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 10 of 12

Sample Number		2539822-11						
Sampled Date		May 29, 2025						
Sample Description		Emission from Stationary Source						
Location		ตำบล 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
- "c" : 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 9 of 12

Sample Number		2539822-10						
Sampled Date		May 29, 2025						
Sample Description		Emission from Stationary Source						
Location		ตำบล 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 %O₂	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
- "c" : 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 12 of 12

Sample Number		2539822-13						
Sampled Date		May 29, 2025						
Sample Description		Emission from Stationary Source						
Location		ตำบล 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)

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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		ตำบล 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 %O₂	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

Client : Gulf NC Co., Ltd.
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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	สถานี 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		Minimum	Maximum	
1	29-May-25	12:10	12.46	12.47	5.64	-1.36	12.64	Pass
2	29-May-25	13:10	13.46	14.43	6.53	-0.47	13.53	Pass
3	29-May-25	13:50	14.26	14.81	6.70	-0.30	13.70	Pass
4	29-May-25	14:30	15:06	15.40	6.97	-0.03	13.97	Pass
5	29-May-25	15:15	15:51	16.75	7.59	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	Approved by
Wichan Choonharat Manager	Sarayuth Jitranont Assistant General Manager
วิชัน ช้อนหารัตน์ 0-204-0-0006	วิชัย จิตทรานนท์ 0-204-0-0003

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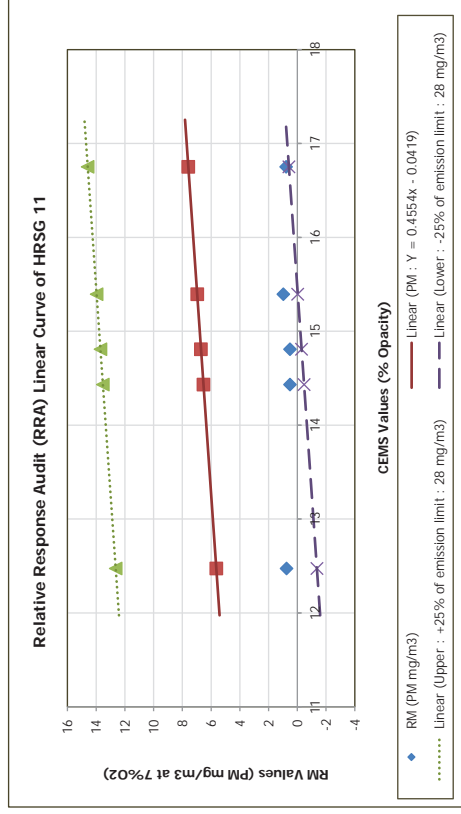
Analysis / Test Report

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	สถานี HRSG 11		
Parameter	Relative Response Audit		



Sampled By : Sittippan Sanachiw, Saksit Phaisanphisut

Technical Management	Approved by
Wichan Choonharat Manager	Sarayuth Jitranont Assistant General Manager
วิชัน ช้อนหารัตน์ 0-204-0-0006	วิชัย จิตทรานนท์ 0-204-0-0003

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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 1 of 4

Sample Number 2539560-1
Sample Date May 30, 2025
Sample Description Emission from Stationary Source
Location ตำบล 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 Choomharat
Manager

Approved by

Sarayuth Jitranont
Assistant General Manager

เบอร์โทร 2-204-4-0006

เบอร์โทร 2-204-4-0003

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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 2 of 4

Sample Number 2539560-1
Sample Date May 30, 2025
Sample Description Emission from Stationary Source
Location ตำบล 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 Choomharat
Manager

Approved by

Sarayuth Jitranont
Assistant General Manager

เบอร์โทร 2-204-4-0006

เบอร์โทร 2-204-4-0003

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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 3 of 4

Sample Number 2539560-1
Sample Date May 30, 2025
Sample Description Emission from Stationary Source
Location ตำบล 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)		
1*	30 May 25	10:20	10:40	34.29	36.26	73.63	82.83
2	30 May 25	10:41	11:01	35.24	35.70	82.70	81.91
3	30 May 25	11:02	11:22	35.24	35.36	82.29	80.52
4	30 May 25	11:23	11:43	35.37	35.24	82.26	79.93
5	30 May 25	11:44	12:04	35.60	35.42	82.53	79.52
6	30 May 25	12:05	12:25	34.40	34.24	85.47	82.45
7	30 May 25	12:26	12:46	34.42	34.11	85.97	82.50
8	30 May 25	12:47	13:07	35.51	34.71	85.68	82.10
9	30 May 25	13:08	13:28	35.61	34.99	81.24	77.43
10*	30 May 25	13:29	13:49	35.00	34.26	81.50	77.67
11	30 May 25	13:50	14:10	35.24	34.64	81.26	77.59
12*	30 May 25	14:11	14:31	35.73	34.90	81.42	77.58
Average						83.27	80.44
Confidence Coefficient (CC)							-2.83
Relative Accuracy (Compared with Emission Standard : 690 ppm) (%)							0.78
Relative Accuracy Criteria 1/ (Compared with Emission Standard)							0.52
							≤ 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 Choomharat
Wichan Choomharat
Manager

Approved by

Sarayuth Jitranont
Sarayuth Jitranont
Assistant General Manager

ทะเบียนเลขที่ 3-204-0-0006

ทะเบียนเลขที่ 3-204-0-0003

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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 4 of 4

Sample Number 2539560-1
Sample Date May 30, 2025
Sample Description Emission from Stationary Source
Location ตำบล 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						-0.16
Confidence Coefficient (CC)						-
Relative Accuracy (Compared in Actual) (%)						0.16
Relative Accuracy Criteria 1/ (%)						≤ 1%

Reference Method : US EPA Method 3A

Remark: * Sample with * is a rejected data

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

RA Result is within Criteria

Sampled By : Saksit Phaisanphisut

Technical Management

Wichan Choomharat
Wichan Choomharat
Manager

Approved by

Sarayuth Jitranont
Sarayuth Jitranont
Assistant General Manager

ทะเบียนเลขที่ 3-204-0-0006

ทะเบียนเลขที่ 3-204-0-0003

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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 ฝั้วถั่ว 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*
Wichan Choonharat
Manager

Approved by *Sarayuth Jitranont*
Sarayuth Jitranont
Assistant General Manager
วิเศษชัยชาญ จิตทรนถ ๖-204-๙-0003

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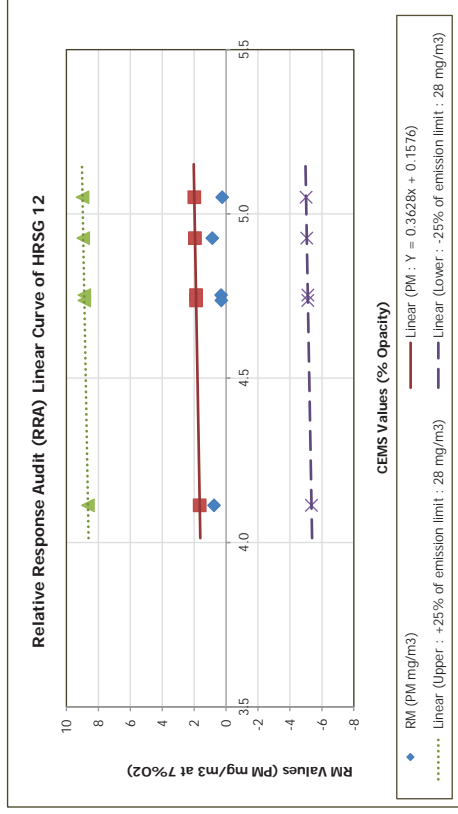
Analysis / Test Report

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 ฝั้วถั่ว HRSG 12
Parameter Relative Response Audit



Sampled By : Sittippan Sanachiw, Saksit Phaisanphisut

Technical Management *Wichan Choonharat*
Wichan Choonharat
Manager

Approved by *Sarayuth Jitranont*
Sarayuth Jitranont
Assistant General Manager
วิเศษชัยชาญ จิตทรนถ ๖-204-๙-0003

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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 2 of 12

Sample Number		2539822-3						
Sampled Date		May 29, 2025						
Sample Description		Emission from Stationary Source						
Location		ตำบล 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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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		ตำบล 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 %O₂	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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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 ตำบล 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	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
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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 ตำบล 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	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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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 5 of 12

Sample Number	2539822-6			
Sampled Date	May 29, 2025			
Sample Description	Emission from Stationary Source			
Location	ตำบล HRSG 11			
Date Analysis Commenced	Jun 04, 2025			

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
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

Air Testing							
Flow rate	01:04 PM - 01:24 PM	Nm ³ /hr	-	-	172523	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

Remark :
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Orawan R.

Approved by

Orawan Rakpong
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 6 of 12

Sample Number	2539822-7			
Sampled Date	May 29, 2025			
Sample Description	Emission from Stationary Source			
Location	ตำบล HRSG 11			
Date Analysis Commenced	Jun 04, 2025			

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
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

Air Testing							
Flow rate	01:25 PM - 01:45 PM	Nm ³ /hr	-	-	174856	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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Orawan R.

Approved by

Orawan Rakpong
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 8 of 12

Sample Number 2539822-9
Sampled Date May 29, 2025
Sample Description Emission from Stationary Source
Location ตำบล HRSG 11
Date Analysis Commenced Jun 04, 2025

Stack Description					Testing Location	
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
Air Testing						
Flow rate	02:07 PM - 02:27 PM	Nm3/hr	-	-	170198	U.S. Environmental Protection Agency, Method 2

Sampling By : Saksit Phaisanphisit

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

Orawan R.

Approved by

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 ตำบล HRSG 11
Date Analysis Commenced Jun 04, 2025

Stack Description					Testing Location	
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
Air Testing						
Flow rate	01:46 PM - 02:06 PM	Nm3/hr	-	-	168472	U.S. Environmental Protection Agency, Method 2

Sampling By : Saksit Phaisanphisit

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

Orawan R.

Approved by

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 9 of 12

Sample Number	2539822-10			
Sampled Date	May 29, 2025			
Sample Description	Emission from Stationary Source			
Location	ตำบล HRSG 11			
Date Analysis Commenced	Jun 04, 2025			

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
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

Air Testing							
Flow rate	02:28 PM - 02:48 PM	Nm ³ /hr	-	-	175396	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

Remark :
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Orawan R.

Approved by

Orawan Rakpong
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	ตำบล HRSG 11			
Date Analysis Commenced	Jun 04, 2025			

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Method	Testing Location
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

Air Testing							
Flow rate	02:49 PM - 03:09 PM	Nm ³ /hr	-	-	171929	U.S. Environmental Protection Agency, Method 2	Bangkok

Sampling By : Saksit Phaisanphisut

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

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Orawan R.

Approved by

Orawan Rakpong
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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 12 of 12

Sample Number		2539822-13						
Sampled Date		May 29, 2025						
Sample Description		Emission from Stationary Source						
Location		ตำบล 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 %O₂	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 :
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		ตำบล 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 %O₂	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

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
Sample Date May 30, 2025
Sample Description Emission from Stationary Source
Location บ่อก๊าซ HRSG 12
Parameter Flowrate

Relative Accuracy Test Audit Report

Run No.	Date	Time		Flowrate Data		Difference
		Start	Stop	CEMs (Nm ³ /Hr)	RM (Nm ³ /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

Sarayuth Jitranont
Assistant General Manager
เบอร์โทร 2-204-4-0003

Approved by

Wichan Choonharat
Manager
เบอร์โทร 2-204-4-0006

Technical Management

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Analysis / Test Report

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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
Sample Date May 30, 2025
Sample Description Emission from Stationary Source
Location บ่อก๊าซ 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 Phaisanphisut

Wichan Choonharat
Manager
เบอร์โทร 2-204-4-0006

Approved by

Sarayuth Jitranont
Assistant General Manager
เบอร์โทร 2-204-4-0003

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 : 4210602061
Project Name : Monitoring EIA
Project Location : GNC

Lot ID: 2539556
Date Received : Dec 04, 2025
Date Reported : Dec 16, 2025
Report Number : 3292068-1

Page 1 of 4

Sample Number 2539556-1
Sample Date Dec 03, 2025
Sample Description Emission from Stationary Source
Location ตำบล HRSG 11
Parameter NOx

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	03 Dec 25	13:35	13:55	23.39	23.27	50.57	50.95	0.38
2	03 Dec 25	13:56	14:16	23.55	23.55	51.04	51.55	0.51
3*	03 Dec 25	14:17	14:37	23.37	23.57	50.56	51.53	0.97
4	03 Dec 25	14:38	14:58	23.63	23.77	51.13	51.97	0.84
5	03 Dec 25	14:59	15:19	23.56	23.67	51.10	51.74	0.64
6	03 Dec 25	15:20	15:40	23.32	23.37	50.61	51.11	0.50
7	03 Dec 25	15:41	16:01	23.19	23.26	50.37	50.89	0.52
8	03 Dec 25	16:02	16:22	22.89	23.07	49.70	50.42	0.71
9	03 Dec 25	16:23	16:43	22.58	22.59	49.06	49.38	0.33
10*	03 Dec 25	16:44	17:04	23.44	23.88	50.79	52.04	1.25
11*	03 Dec 25	17:05	17:25	23.13	23.62	50.10	51.42	1.32
12	03 Dec 25	17:26	17:46	22.18	22.28	48.09	48.51	0.42
Average						50.18	50.72	0.54
Confidence Coefficient (CC)								0.13
Relative Accuracy (Compared with RM) (%)								1.31
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

Approved by

Sarayuth Jitranont
Assistant General Manager
เบอร์โทร 2-204-4-0003

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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: 2539556
Date Received : Dec 04, 2025
Date Reported : Dec 16, 2025
Report Number : 3292068-1

Page 2 of 4

Sample Number 2539556-1
Sample Date Dec 03, 2025
Sample Description Emission from Stationary Source
Location ตำบล HRSG 11
Parameter SO2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	03 Dec 25	13:35	13:55	0.08	0.10	0.16	0.22	0.06
2	03 Dec 25	13:56	14:16	0.04	0.10	0.08	0.23	0.15
3	03 Dec 25	14:17	14:37	0.04	0.09	0.09	0.19	0.11
4*	03 Dec 25	14:38	14:58	0.03	0.10	0.06	0.23	0.17
5*	03 Dec 25	14:59	15:19	0.02	0.10	0.04	0.21	0.17
6	03 Dec 25	15:20	15:40	0.04	0.09	0.08	0.19	0.11
7	03 Dec 25	15:41	16:01	0.04	0.09	0.09	0.20	0.10
8	03 Dec 25	16:02	16:22	0.07	0.10	0.15	0.21	0.06
9	03 Dec 25	16:23	16:43	0.09	0.09	0.20	0.19	-0.01
10	03 Dec 25	16:44	17:04	0.02	0.08	0.04	0.18	0.14
11	03 Dec 25	17:05	17:25	0.04	0.10	0.08	0.21	0.13
12*	03 Dec 25	17:26	17:46	0.18	0.09	0.38	0.20	-0.18
Average						0.11	0.20	0.09
Confidence Coefficient (CC)								0.04
Relative Accuracy (Compared with Emission Standard : 6 ppm) (%)								2.23
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

Approved by

Sarayuth Jitranont
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