

ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์

ภาคผนวก ค-1

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report



TESTING
No.0042

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483303
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3061580-1

Page 1 of 1

Sample Description Air Quality
Location หมู่บ้านที่สถานีออกของโครงการ (A1) (GPS 47P 0733041, 1404296)
Date Analysis Commenced Nov 05, 2024
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2483303-1	Oct 25 - Oct 26, 2024	0.040	0.022	757	33
2483303-2	Oct 26 - Oct 27, 2024	0.026	0.012	757	33
2483303-3	Oct 27 - Oct 28, 2024	0.025	0.013	757	32
2483303-4	Oct 28 - Oct 29, 2024	0.023	0.010	757	31
2483303-5	Oct 29 - Oct 30, 2024	0.032	0.013	757	33
2483303-6	Oct 30 - Oct 31, 2024	0.045	0.026	757	32
2483303-7	Oct 31 - Nov 01, 2024	0.037	0.021	757	32
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B
Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

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

Sampled By : Mongkon Phalathip

Remark :

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

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

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Analysis / Test Report



TESTING
No.0042

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483303
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3061580-2

Page 1 of 1

Sample Description Air Quality
Location หมู่บ้านที่สถานีออกของโครงการ (A2) (GPS 47P 07319710, 1408110)
Date Analysis Commenced Nov 05, 2024
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2483303-8	Oct 25 - Oct 26, 2024	0.039	0.022	757	33
2483303-9	Oct 26 - Oct 27, 2024	0.030	0.015	757	33
2483303-10	Oct 27 - Oct 28, 2024	0.029	0.016	757	32
2483303-11	Oct 28 - Oct 29, 2024	0.029	0.015	757	31
2483303-12	Oct 29 - Oct 30, 2024	0.032	0.015	757	33
2483303-13	Oct 30 - Oct 31, 2024	0.039	0.023	757	32
2483303-14	Oct 31 - Nov 01, 2024	0.039	0.026	757	32
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B
Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

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

Sampled By : Mongkon Phalathip

Remark :

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483303
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3061580-3

Page 1 of 1

Sample Description	Air Quality				
Location	เมืองใหม่บางตาพูด (A3) (GPS 47P 0735046, 1406260)				
Date Analysis Commenced	Nov 05, 2024				
Condition of Sample	Drawn into one glass filter paper (8x10 Inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				
Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2483303-15	Oct 25 - Oct 26, 2024	0.046	0.026	757	33
2483303-16	Oct 26 - Oct 27, 2024	0.026	0.016	757	33
2483303-17	Oct 27 - Oct 28, 2024	0.030	0.016	757	32
2483303-18	Oct 28 - Oct 29, 2024	0.039	0.023	757	31
2483303-19	Oct 29 - Oct 30, 2024	0.056	0.010	757	33
2483303-20	Oct 30 - Oct 31, 2024	0.059	0.047	757	32
2483303-21	Oct 31 - Nov 01, 2024	0.039	0.018	757	32
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B
Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

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

Sampled By : Mongkon Phalathip

Remark :

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483303
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3061580-4

Page 1 of 1

Sample Description	Air Quality				
Location	โรงเรียนบ้านบางตาพูด (โศภณราษฎร์บำรุง) (A4) (GPS 47P 0735345, 1406681)				
Date Analysis Commenced	Nov 05, 2024				
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				
Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2483303-22	Oct 25 - Oct 26, 2024	0.035	0.022	757	33
2483303-23	Oct 26 - Oct 27, 2024	0.021	0.013	757	33
2483303-24	Oct 27 - Oct 28, 2024	0.024	0.016	757	32
2483303-25	Oct 28 - Oct 29, 2024	0.027	0.020	757	31
2483303-26	Oct 29 - Oct 30, 2024	0.037	0.019	757	33
2483303-27	Oct 30 - Oct 31, 2024	0.048	0.035	757	32
2483303-28	Oct 31 - Nov 01, 2024	0.045	0.035	757	32
Guideline		0.33	0.12	-	-

Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B
Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

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

Sampled By : Mongkon Phalathip

Remark :

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483293
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3061568-1

Page 1 of 1

Sample Description Air Quality
Location โรงเรือนบำบัดอากาศ (โสมราชบุรี) (A4) (GPS 47P 0735345, 1406681)
Parameter Nitrogen dioxide (ppm)
Measurement Date Oct 25, 2024 - Nov 01, 2024
Measurement by Mongkon Phalathip

Time	2483293-22 Oct 25, 2024	2483293-23 Oct 26, 2024	2483293-24 Oct 27, 2024	2483293-25 Oct 28, 2024	2483293-26 Oct 29, 2024	2483293-27 Oct 30, 2024	2483293-28 Oct 31, 2024
12:00 PM - 01:00 PM	0.0012	0.0032	0.0016	0.0050	0.0041	0.0070	0.0053
01:00 PM - 02:00 PM	0.0012	0.0021	0.0018	0.0019	0.0028	0.0056	0.0023
02:00 PM - 03:00 PM	0.0017	0.0018	0.0014	0.0022	0.0017	0.0027	0.0025
03:00 PM - 04:00 PM	0.0013	0.0013	0.0010	0.0022	0.0032	0.0017	0.0024
04:00 PM - 05:00 PM	0.0011	0.0012	0.0010	0.0018	0.0018	0.0012	0.0021
05:00 PM - 06:00 PM	0.0015	0.0012	0.0012	0.0022	0.0018	0.0013	0.0025
06:00 PM - 07:00 PM	0.0021	0.0016	0.0022	0.0021	0.0013	0.0026	0.0023
07:00 PM - 08:00 PM	0.0028	0.0013	0.0022	0.0016	0.0012	0.0024	0.0019
08:00 PM - 09:00 PM	0.0023	0.0013	0.0019	0.0015	0.0010	0.0020	0.0018
09:00 PM - 10:00 PM	0.0023	0.0016	0.0018	0.0017	0.0010	0.0017	0.0019
10:00 PM - 11:00 PM	0.0013	0.0016	0.0010	0.0020	0.0010	0.0016	0.0023
11:00 PM - 12:00 AM	0.0015	0.0012	0.0010	0.0017	0.0012	0.0014	0.0020
12:00 AM - 01:00 AM	0.0013	0.0013	0.0010	0.0015	0.0012	0.0014	0.0018
01:00 AM - 02:00 AM	0.0011	0.0009	0.0010	0.0017	0.0012	0.0014	0.0020
02:00 AM - 03:00 AM	0.0014	0.0009	0.0011	0.0025	0.0012	0.0013	0.0028
03:00 AM - 04:00 AM	0.0011	0.0009	0.0011	0.0028	0.0016	0.0018	0.0031
04:00 AM - 05:00 AM	0.0013	0.0009	0.0019	0.0082	0.0021	0.0058	0.0085
05:00 AM - 06:00 AM	0.0024	0.0047	0.0035	0.0180	0.0034	0.0123	0.0183
06:00 AM - 07:00 AM	0.0041	0.0101	0.0054	0.0112	0.0044	0.0100	0.0115
07:00 AM - 08:00 AM	0.0026	0.0026	0.0038	0.0047	0.0057	0.0033	0.0050
08:00 AM - 09:00 AM	0.0015	0.0020	0.0133	0.0031	0.0049	0.0136	0.0034
09:00 AM - 10:00 AM	0.0018	0.0015	0.0050	0.0014	0.0026	0.0053	0.0017
10:00 AM - 11:00 AM	0.0022	0.0017	0.0017	0.0038	0.0031	0.0020	0.0040
11:00 AM - 12:00 PM	0.0021	0.0016	0.0034	0.0024	0.0110	0.0037	0.0027
Average	0.0018	0.0020	0.0025	0.0036	0.0027	0.0039	0.0039
1hr - Maximum	0.0041	0.0101	0.0133	0.0180	0.0110	0.0136	0.0183
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).
Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483293
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3157410-1

Page 1 of 1

Sample Description Air Quality
Location โรงเรือนบำบัดอากาศของโครงการ (A1) (GPS 47P 0733041, 1404296)
Parameter Nitrogen dioxide (ppm)
Measurement Date Oct 25, 2024 - Nov 01, 2024
Measurement by Mongkon Phalathip

Time	2483293-1 Oct 25, 2024	2483293-2 Oct 26, 2024	2483293-3 Oct 27, 2024	2483293-4 Oct 28, 2024	2483293-5 Oct 29, 2024	2483293-6 Oct 30, 2024	2483293-7 Oct 31, 2024
09:00 AM - 10:00 AM	0.0009	0.0011	0.0010	0.0010	0.0018	0.0068	0.0009
10:00 AM - 11:00 AM	0.0010	0.0011	0.0011	0.0050	0.0017	0.0079	0.0009
11:00 AM - 12:00 PM	0.0009	0.0008	0.0010	0.0007	0.0044	0.0015	0.0008
12:00 PM - 01:00 PM	0.0008	0.0008	0.0013	0.0006	0.0012	0.0023	0.0006
01:00 PM - 02:00 PM	0.0009	0.0007	0.0008	0.0007	0.0014	0.0012	0.0007
02:00 PM - 03:00 PM	0.0008	0.0005	0.0008	0.0009	0.0010	0.0009	0.0008
03:00 PM - 04:00 PM	0.0008	0.0006	0.0007	0.0006	0.0008	0.0010	0.0010
04:00 PM - 05:00 PM	0.0014	0.0007	0.0008	0.0010	0.0008	0.0020	0.0009
05:00 PM - 06:00 PM	0.0013	0.0009	0.0015	0.0009	0.0009	0.0024	0.0024
06:00 PM - 07:00 PM	0.0022	0.0008	0.0014	0.0009	0.0009	0.0023	0.0015
07:00 PM - 08:00 PM	0.0018	0.0023	0.0011	0.0011	0.0006	0.0021	0.0022
08:00 PM - 09:00 PM	0.0008	0.0015	0.0019	0.0020	0.0007	0.0016	0.0019
09:00 PM - 10:00 PM	0.0007	0.0021	0.0056	0.0022	0.0009	0.0016	0.0080
10:00 PM - 11:00 PM	0.0006	0.0019	0.0006	0.0014	0.0010	0.0016	0.0006
11:00 PM - 12:00 AM	0.0006	0.0079	0.0006	0.0013	0.0010	0.0017	0.0006
12:00 AM - 01:00 AM	0.0006	0.0006	0.0007	0.0018	0.0011	0.0015	0.0008
01:00 AM - 02:00 AM	0.0020	0.0005	0.0008	0.0025	0.0012	0.0016	0.0010
02:00 AM - 03:00 AM	0.0022	0.0008	0.0013	0.0028	0.0012	0.0025	0.0032
03:00 AM - 04:00 AM	0.0012	0.0010	0.0031	0.0172	0.0030	0.0110	0.0015
04:00 AM - 05:00 AM	0.0039	0.0031	0.0070	0.0183	0.0127	0.0210	0.0018
05:00 AM - 06:00 AM	0.0023	0.0014	0.0044	0.0060	0.0070	0.0084	0.0014
06:00 AM - 07:00 AM	0.0016	0.0016	0.0048	0.0037	0.0135	0.0023	0.0014
07:00 AM - 08:00 AM	0.0011	0.0013	0.0035	0.0033	0.0042	0.0012	0.0034
08:00 AM - 09:00 AM	0.0010	0.0012	0.0017	0.0030	0.0020	0.0012	0.0031
Average	0.0013	0.0015	0.0020	0.0033	0.0027	0.0036	0.0017
1hr - Maximum	0.0039	0.0079	0.0070	0.0183	0.0135	0.0210	0.0080
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).
Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483293
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3157412-1

Page 1 of 1

Sample Description Air Quality
Location ศูนย์เฝ้าระวังทางสิ่งแวดล้อมและตรวจสอบสิ่งแวดล้อม (A2) (GPS 47P 0731971, 1408110)
Parameter Nitrogen dioxide (ppm)
Measurement Date Oct 25, 2024 - Nov 01, 2024
Measurement by Mongkon Phalathip

Time	2483293-8 Oct 25, 2024	2483293-9 Oct 26, 2024	2483293-10 Oct 27, 2024	2483293-11 Oct 28, 2024	2483293-12 Oct 29, 2024	2483293-13 Oct 30, 2024	2483293-14 Oct 31, 2024
11:00 AM - 12:00 PM	0.0015	0.0020	0.0018	0.0035	0.0021	0.0020	0.0014
12:00 PM - 01:00 PM	0.0015	0.0028	0.0024	0.0026	0.0024	0.0017	0.0019
01:00 PM - 02:00 PM	0.0016	0.0025	0.0017	0.0017	0.0022	0.0020	0.0017
02:00 PM - 03:00 PM	0.0021	0.0022	0.0015	0.0019	0.0018	0.0038	0.0016
03:00 PM - 04:00 PM	0.0026	0.0033	0.0016	0.0018	0.0023	0.0077	0.0016
04:00 PM - 05:00 PM	0.0021	0.0020	0.0016	0.0019	0.0032	0.0019	0.0012
05:00 PM - 06:00 PM	0.0022	0.0024	0.0019	0.0017	0.0014	0.0015	0.0016
06:00 PM - 07:00 PM	0.0024	0.0018	0.0021	0.0013	0.0013	0.0013	0.0019
07:00 PM - 08:00 PM	0.0024	0.0014	0.0012	0.0012	0.0014	0.0013	0.0014
08:00 PM - 09:00 PM	0.0047	0.0013	0.0016	0.0016	0.0015	0.0013	0.0013
09:00 PM - 10:00 PM	0.0086	0.0014	0.0014	0.0017	0.0016	0.0013	0.0014
10:00 PM - 11:00 PM	0.0083	0.0014	0.0013	0.0011	0.0016	0.0116	0.0014
11:00 PM - 12:00 AM	0.0018	0.0015	0.0013	0.0012	0.0011	0.0101	0.0012
12:00 AM - 01:00 AM	0.0016	0.0014	0.0012	0.0013	0.0013	0.0064	0.0013
01:00 AM - 02:00 AM	0.0016	0.0014	0.0014	0.0013	0.0013	0.0013	0.0016
02:00 AM - 03:00 AM	0.0013	0.0013	0.0013	0.0012	0.0014	0.0012	0.0014
03:00 AM - 04:00 AM	0.0014	0.0012	0.0018	0.0013	0.0015	0.0012	0.0016
04:00 AM - 05:00 AM	0.0014	0.0014	0.0016	0.0013	0.0016	0.0017	0.0014
05:00 AM - 06:00 AM	0.0014	0.0013	0.0016	0.0014	0.0014	0.0014	0.0013
06:00 AM - 07:00 AM	0.0021	0.0014	0.0033	0.0019	0.0016	0.0014	0.0016
07:00 AM - 08:00 AM	0.0016	0.0017	0.0056	0.0016	0.0035	0.0015	0.0014
08:00 AM - 09:00 AM	0.0019	0.0022	0.0032	0.0023	0.0025	0.0015	0.0025
09:00 AM - 10:00 AM	0.0019	0.0038	0.0037	0.0027	0.0038	0.0038	0.0023
10:00 AM - 11:00 AM	0.0016	0.0024	0.0024	0.0021	0.0025	0.0054	0.0027
Average	0.0025	0.0019	0.0020	0.0017	0.0019	0.0031	0.0016
1hr - Maximum	0.0086	0.0038	0.0056	0.0035	0.0038	0.0116	0.0027
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).
Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483293
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3157414-1

Page 1 of 1

Sample Description Air Quality
Location เมืองใหม่บางตาพูด (A3) (GPS 47P 0735046, 1406260)
Parameter Nitrogen dioxide (ppm)
Measurement Date Oct 25, 2024 - Nov 01, 2024
Measurement by Mongkon Phalathip

Time	2483293-15 Oct 25, 2024	2483293-16 Oct 26, 2024	2483293-17 Oct 27, 2024	2483293-18 Oct 28, 2024	2483293-19 Oct 29, 2024	2483293-20 Oct 30, 2024	2483293-21 Oct 31, 2024
10:00 AM - 11:00 AM	0.0013	0.0016	0.0011	0.0053	0.0015	0.0066	0.0015
11:00 AM - 12:00 PM	0.0018	0.0015	0.0012	0.0023	0.0012	0.0058	0.0012
12:00 PM - 01:00 PM	0.0017	0.0012	0.0014	0.0022	0.0009	0.0142	0.0012
01:00 PM - 02:00 PM	0.0014	0.0011	0.0011	0.0029	0.0010	0.0017	0.0015
02:00 PM - 03:00 PM	0.0015	0.0010	0.0008	0.0014	0.0012	0.0015	0.0012
03:00 PM - 04:00 PM	0.0013	0.0011	0.0009	0.0015	0.0008	0.0018	0.0008
04:00 PM - 05:00 PM	0.0012	0.0009	0.0008	0.0020	0.0007	0.0010	0.0010
05:00 PM - 06:00 PM	0.0010	0.0007	0.0007	0.0011	0.0007	0.0008	0.0009
06:00 PM - 07:00 PM	0.0010	0.0009	0.0010	0.0007	0.0006	0.0169	0.0008
07:00 PM - 08:00 PM	0.0012	0.0007	0.0007	0.0008	0.0007	0.0150	0.0010
08:00 PM - 09:00 PM	0.0012	0.0007	0.0007	0.0008	0.0005	0.0016	0.0007
09:00 PM - 10:00 PM	0.0010	0.0006	0.0007	0.0008	0.0006	0.0012	0.0008
10:00 PM - 11:00 PM	0.0009	0.0008	0.0008	0.0008	0.0006	0.0012	0.0008
11:00 PM - 12:00 AM	0.0011	0.0007	0.0009	0.0008	0.0006	0.0013	0.0009
12:00 AM - 01:00 AM	0.0010	0.0008	0.0009	0.0008	0.0005	0.0011	0.0009
01:00 AM - 02:00 AM	0.0010	0.0009	0.0007	0.0007	0.0006	0.0010	0.0010
02:00 AM - 03:00 AM	0.0010	0.0009	0.0022	0.0009	0.0007	0.0009	0.0008
03:00 AM - 04:00 AM	0.0009	0.0011	0.0015	0.0008	0.0009	0.0011	0.0024
04:00 AM - 05:00 AM	0.0012	0.0008	0.0034	0.0009	0.0014	0.0011	0.0015
05:00 AM - 06:00 AM	0.0012	0.0009	0.0049	0.0011	0.0007	0.0017	0.0035
06:00 AM - 07:00 AM	0.0017	0.0020	0.0063	0.0076	0.0009	0.0059	0.0050
07:00 AM - 08:00 AM	0.0025	0.0016	0.0049	0.0047	0.0049	0.0014	0.0064
08:00 AM - 09:00 AM	0.0026	0.0012	0.0053	0.0027	0.0055	0.0015	0.0049
09:00 AM - 10:00 AM	0.0019	0.0014	0.0090	0.0023	0.0029	0.0013	0.0054
Average	0.0014	0.0010	0.0022	0.0019	0.0013	0.0036	0.0019
1hr - Maximum	0.0026	0.0020	0.0090	0.0076	0.0055	0.0169	0.0064
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).
Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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S:\Reports_Air SOxNOx rpt (4 54PM)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483294
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3061572-1

Page 1 of 1

Sample Description	Air Quality						
Location	โรงเรียนนานาชาติฯ (โสมทรายบุรีระ) (A4) โรงเรียนนานาชาติฯ (โสมทรายบุรีระ) (A4) (GPS 47P 0735345, 1406681)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	Oct 25, 2024 - Nov 01, 2024						
Measurement by	Mongkon Phalathip						
Time	2483294-22 Oct 25, 2024	2483294-23 Oct 26, 2024	2483294-24 Oct 27, 2024	2483294-25 Oct 28, 2024	2483294-26 Oct 29, 2024	2483294-27 Oct 30, 2024	2483294-28 Oct 31, 2024
12:00 PM - 01:00 PM	0.0005	0.0003	0.0006	0.0002	0.0003	0.0010	0.0009
01:00 PM - 02:00 PM	0.0006	0.0009	0.0005	0.0003	0.0004	0.0008	0.0006
02:00 PM - 03:00 PM	0.0008	0.0009	0.0006	0.0002	0.0004	0.0008	0.0008
03:00 PM - 04:00 PM	0.0009	0.0008	0.0005	0.0002	0.0004	0.0007	0.0008
04:00 PM - 05:00 PM	0.0010	0.0009	0.0006	0.0003	0.0004	0.0008	0.0008
05:00 PM - 06:00 PM	0.0009	0.0009	0.0005	0.0002	0.0004	0.0008	0.0007
06:00 PM - 07:00 PM	0.0009	0.0008	0.0004	0.0001	0.0006	0.0008	0.0006
07:00 PM - 08:00 PM	0.0010	0.0008	0.0005	<0.0001	0.0005	0.0008	0.0006
08:00 PM - 09:00 PM	0.0010	0.0008	0.0005	0.0003	0.0005	0.0009	0.0008
09:00 PM - 10:00 PM	0.0009	0.0008	0.0004	<0.0001	0.0004	0.0009	0.0008
10:00 PM - 11:00 PM	0.0009	0.0008	0.0005	<0.0001	0.0005	0.0010	0.0008
11:00 PM - 12:00 AM	0.0010	0.0007	0.0004	0.0001	0.0005	0.0009	0.0009
12:00 AM - 01:00 AM	0.0010	0.0007	0.0005	<0.0001	0.0004	0.0009	0.0007
01:00 AM - 02:00 AM	0.0010	0.0007	0.0004	<0.0001	0.0004	0.0008	0.0007
02:00 AM - 03:00 AM	0.0010	0.0008	0.0004	<0.0001	0.0004	0.0008	0.0006
03:00 AM - 04:00 AM	0.0010	0.0007	0.0004	<0.0001	0.0004	0.0008	0.0009
04:00 AM - 05:00 AM	0.0009	0.0006	0.0004	<0.0001	0.0005	0.0009	0.0006
05:00 AM - 06:00 AM	0.0010	0.0008	0.0003	0.0001	0.0005	0.0009	0.0006
06:00 AM - 07:00 AM	0.0009	0.0007	0.0003	<0.0001	0.0005	0.0009	0.0005
07:00 AM - 08:00 AM	0.0009	0.0007	0.0003	0.0001	0.0004	0.0009	0.0005
08:00 AM - 09:00 AM	0.0010	0.0008	0.0003	0.0002	0.0006	0.0003	0.0005
09:00 AM - 10:00 AM	0.0009	0.0007	0.0003	0.0002	0.0006	0.0010	0.0006
10:00 AM - 11:00 AM	0.0008	0.0007	0.0003	0.0004	0.0007	0.0006	0.0006
11:00 AM - 12:00 PM	0.0012	0.0007	0.0002	0.0005	0.0009	0.0006	0.0007
Average	0.0009	0.0008	0.0004	0.0001	0.0005	0.0008	0.0007
1hr - Maximum	0.0012	0.0009	0.0006	0.0005	0.0009	0.0010	0.0009
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).							
Reference Method : US EPA Method Part 53 and 58							

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

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S:\Report\Air SOxNOx rpt (4:55PM)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483294
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3157418-1

Page 1 of 1

Sample Description	Air Quality						
Location	บริเวณด้านทิศตะวันออกของโครงการ (A1) บริเวณด้านทิศตะวันออกของโครงการ (A1) (GPS 47P 0733041, 1404296)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	Oct 25, 2024 - Nov 01, 2024						
Measurement by	Mongkon Phalathip						
Time	2483294-1 Oct 25, 2024	2483294-2 Oct 26, 2024	2483294-3 Oct 27, 2024	2483294-4 Oct 28, 2024	2483294-5 Oct 29, 2024	2483294-6 Oct 30, 2024	2483294-7 Oct 31, 2024
09:00 AM - 10:00 AM	0.0015	0.0012	0.0006	0.0016	0.0010	0.0021	0.0012
10:00 AM - 11:00 AM	0.0010	0.0012	0.0021	0.0012	0.0010	0.0012	0.0013
11:00 AM - 12:00 PM	0.0015	0.0013	0.0012	0.0012	0.0010	0.0012	0.0013
12:00 PM - 01:00 PM	0.0013	0.0012	0.0012	0.0013	0.0012	0.0012	0.0020
01:00 PM - 02:00 PM	0.0012	0.0012	0.0012	0.0011	0.0020	0.0020	0.0020
02:00 PM - 03:00 PM	0.0012	0.0016	0.0013	0.0006	0.0023	0.0020	0.0021
03:00 PM - 04:00 PM	0.0011	0.0013	0.0010	0.0003	0.0023	0.0020	0.0012
04:00 PM - 05:00 PM	0.0011	0.0013	0.0010	0.0010	0.0012	0.0012	0.0020
05:00 PM - 06:00 PM	0.0012	0.0010	0.0010	0.0003	0.0012	0.0012	0.0022
06:00 PM - 07:00 PM	0.0010	0.0010	0.0009	0.0012	0.0013	0.0013	0.0009
07:00 PM - 08:00 PM	0.0011	0.0010	0.0010	0.0010	0.0011	0.0021	0.0011
08:00 PM - 09:00 PM	0.0013	0.0009	0.0010	0.0010	0.0013	0.0021	0.0012
09:00 PM - 10:00 PM	0.0011	0.0009	0.0010	0.0010	0.0013	0.0011	0.0012
10:00 PM - 11:00 PM	0.0010	0.0009	0.0010	0.0013	0.0012	0.0011	0.0012
11:00 PM - 12:00 AM	0.0010	0.0012	0.0012	0.0013	0.0013	0.0020	0.0012
12:00 AM - 01:00 AM	0.0010	0.0013	0.0012	0.0012	0.0012	0.0020	0.0013
01:00 AM - 02:00 AM	0.0010	0.0013	0.0012	0.0012	0.0020	0.0020	0.0032
02:00 AM - 03:00 AM	0.0010	0.0012	0.0012	0.0001	0.0020	0.0020	0.0012
03:00 AM - 04:00 AM	0.0010	0.0009	0.0013	0.0012	0.0021	0.0020	0.0012
04:00 AM - 05:00 AM	0.0010	0.0010	0.0013	0.0012	0.0012	0.0020	0.0010
05:00 AM - 06:00 AM	0.0010	0.0010	0.0013	0.0011	0.0013	0.0013	0.0010
06:00 AM - 07:00 AM	0.0009	0.0010	0.0010	0.0010	0.0013	0.0013	0.0012
07:00 AM - 08:00 AM	0.0010	0.0009	0.0010	0.0011	0.0023	0.0013	0.0021
08:00 AM - 09:00 AM	0.0010	0.0010	0.0006	0.0010	0.0021	0.0012	0.0023
Average	0.0011	0.0011	0.0011	0.0010	0.0015	0.0016	0.0015
1hr - Maximum	0.0015	0.0016	0.0021	0.0016	0.0023	0.0021	0.0032
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).							
Reference Method : US EPA Method Part 53 and 58							

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483294
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3157419-1

Page 1 of 1

Sample Description Air Quality
Location ศูนย์วิจัยวิทยาศาสตร์และเทคโนโลยีสิ่งแวดล้อม (A2) ศูนย์วิจัยวิทยาศาสตร์และเทคโนโลยีสิ่งแวดล้อม (A2) (GPS 47P 0731971, 1408110)
Parameter Sulfur Dioxide (ppm)
Measurement Date Oct 25, 2024 - Nov 01, 2024
Measurement by Mongkon Phalathip

Time	2483294-8 Oct 25, 2024	2483294-9 Oct 26, 2024	2483294-10 Oct 27, 2024	2483294-11 Oct 28, 2024	2483294-12 Oct 29, 2024	2483294-13 Oct 30, 2024	2483294-14 Oct 31, 2024
11:00 AM - 12:00 PM	0.0015	0.0011	0.0020	0.0010	0.0010	0.0010	0.0012
12:00 PM - 01:00 PM	0.0010	0.0011	0.0012	0.0010	0.0012	0.0011	0.0013
01:00 PM - 02:00 PM	0.0015	0.0011	0.0013	0.0013	0.0010	0.0011	0.0012
02:00 PM - 03:00 PM	0.0013	0.0011	0.0021	0.0011	0.0013	0.0011	0.0020
03:00 PM - 04:00 PM	0.0012	0.0011	0.0012	0.0012	0.0011	0.0010	0.0021
04:00 PM - 05:00 PM	0.0012	0.0011	0.0012	0.0012	0.0011	0.0006	0.0021
05:00 PM - 06:00 PM	0.0011	0.0010	0.0012	0.0011	0.0012	0.0012	0.0023
06:00 PM - 07:00 PM	0.0011	0.0012	0.0010	0.0010	0.0011	0.0012	0.0013
07:00 PM - 08:00 PM	0.0010	0.0012	0.0010	0.0010	0.0011	0.0013	0.0012
08:00 PM - 09:00 PM	0.0010	0.0013	0.0010	0.0014	0.0012	0.0014	0.0013
09:00 PM - 10:00 PM	0.0011	0.0012	0.0012	0.0011	0.0013	0.0013	0.0020
10:00 PM - 11:00 PM	0.0011	0.0012	0.0013	0.0010	0.0012	0.0013	0.0012
11:00 PM - 12:00 AM	0.0011	0.0020	0.0010	0.0010	0.0010	0.0012	0.0013
12:00 AM - 01:00 AM	0.0010	0.0021	0.0010	0.0011	0.0012	0.0012	0.0013
01:00 AM - 02:00 AM	0.0010	0.0013	0.0010	0.0010	0.0012	0.0010	0.0012
02:00 AM - 03:00 AM	0.0011	0.0015	0.0010	0.0011	0.0012	0.0020	0.0012
03:00 AM - 04:00 AM	0.0011	0.0016	0.0010	0.0010	0.0013	0.0012	0.0010
04:00 AM - 05:00 AM	0.0011	0.0016	0.0011	0.0013	0.0013	0.0013	0.0010
05:00 AM - 06:00 AM	0.0011	0.0013	0.0010	0.0012	0.0012	0.0012	0.0012
06:00 AM - 07:00 AM	0.0011	0.0013	0.0010	0.0011	0.0011	0.0013	0.0012
07:00 AM - 08:00 AM	0.0010	0.0012	0.0012	0.0012	0.0012	0.0014	0.0010
08:00 AM - 09:00 AM	0.0011	0.0012	0.0012	0.0013	0.0012	0.0013	0.0013
09:00 AM - 10:00 AM	0.0011	0.0013	0.0012	0.0012	0.0013	0.0012	0.0015
10:00 AM - 11:00 AM	0.0011	0.0012	0.0013	0.0011	0.0013	0.0013	0.0012
Average	0.0011	0.0013	0.0012	0.0011	0.0012	0.0012	0.0014
1hr - Maximum	0.0015	0.0021	0.0021	0.0014	0.0013	0.0020	0.0023
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

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

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

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483294
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3157424-1

Page 1 of 1

Sample Description Air Quality
Location เมืองใหม่มาบตาพุด (A3) เมืองใหม่มาบตาพุด (A3) (GPS 47P 0735046, 1406260)
Parameter Sulfur Dioxide (ppm)
Measurement Date Oct 25, 2024 - Nov 01, 2024
Measurement by Mongkon Phalathip

Time	2483294-15 Oct 25, 2024	2483294-16 Oct 26, 2024	2483294-17 Oct 27, 2024	2483294-18 Oct 28, 2024	2483294-19 Oct 29, 2024	2483294-20 Oct 30, 2024	2483294-21 Oct 31, 2024
10:00 AM - 11:00 AM	0.0010	0.0032	0.0036	0.0041	0.0044	0.0047	0.0040
11:00 AM - 12:00 PM	0.0026	0.0030	0.0034	0.0042	0.0038	0.0046	0.0042
12:00 PM - 01:00 PM	0.0010	0.0030	0.0035	0.0043	0.0038	0.0045	0.0042
01:00 PM - 02:00 PM	<0.0001	0.0031	0.0039	0.0042	0.0046	0.0045	0.0040
02:00 PM - 03:00 PM	0.0007	0.0035	0.0043	0.0043	0.0045	0.0050	0.0041
03:00 PM - 04:00 PM	0.0017	0.0041	0.0047	0.0037	0.0046	0.0048	0.0046
04:00 PM - 05:00 PM	0.0018	0.0040	0.0045	0.0045	0.0047	0.0048	0.0046
05:00 PM - 06:00 PM	0.0019	0.0042	0.0046	0.0044	0.0047	0.0048	0.0046
06:00 PM - 07:00 PM	0.0020	0.0040	0.0046	0.0044	0.0047	0.0048	0.0043
07:00 PM - 08:00 PM	0.0023	0.0038	0.0046	0.0043	0.0045	0.0046	0.0042
08:00 PM - 09:00 PM	0.0023	0.0037	0.0045	0.0039	0.0047	0.0047	0.0042
09:00 PM - 10:00 PM	0.0023	0.0035	0.0047	0.0042	0.0047	0.0049	0.0042
10:00 PM - 11:00 PM	0.0028	0.0036	0.0045	0.0043	0.0046	0.0048	0.0042
11:00 PM - 12:00 AM	0.0027	0.0038	0.0045	0.0044	0.0047	0.0047	0.0041
12:00 AM - 01:00 AM	0.0027	0.0036	0.0045	0.0044	0.0044	0.0048	0.0040
01:00 AM - 02:00 AM	0.0020	0.0038	0.0044	0.0043	0.0044	0.0047	0.0043
02:00 AM - 03:00 AM	0.0030	0.0038	0.0046	0.0043	0.0044	0.0047	0.0043
03:00 AM - 04:00 AM	0.0030	0.0039	0.0046	0.0043	0.0045	0.0045	0.0043
04:00 AM - 05:00 AM	0.0031	0.0039	0.0046	0.0043	0.0044	0.0045	0.0046
05:00 AM - 06:00 AM	0.0035	0.0038	0.0044	0.0043	0.0045	0.0046	0.0040
06:00 AM - 07:00 AM	0.0033	0.0038	0.0045	0.0043	0.0045	0.0046	0.0040
07:00 AM - 08:00 AM	0.0035	0.0038	0.0043	0.0045	0.0045	0.0045	0.0042
08:00 AM - 09:00 AM	0.0034	0.0037	0.0039	0.0039	0.0043	0.0046	0.0041
09:00 AM - 10:00 AM	0.0032	0.0033	0.0038	0.0035	0.0044	0.0043	0.0042
Average	0.0024	0.0037	0.0043	0.0042	0.0045	0.0047	0.0042
1hr - Maximum	0.0035	0.0042	0.0047	0.0045	0.0047	0.0050	0.0046
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

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

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150

P/O : GLOW-OM-22-103

Project Name :
Project Location : GEN

Lot ID: 2483302
Date Received :Nov 04, 2024
Date Reported :Nov 11, 2024
Report Number :3061574-1

Page 1 of 2

Sample Number : 2483302-1 to 7
Parameter : Wind Speed / Wind Direction
Location : วนรันทันตติยธรณกลของโครงการ (A1) (GPS 47P 0733041, 1404296)
Sampling Date : Oct 25 - Nov 01, 2024
Sampling by : Mongkon Phalathip

Time	Oct 25 - Oct 26, 2024			Oct 26 - Oct 27, 2024			Oct 27 - Oct 28, 2024			Oct 28 - Oct 29, 2024			Oct 29 - Oct 30, 2024			Oct 30 - Oct 31, 2024			Oct 31 - Nov 01, 2024		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
09:00 AM - 10:00 AM	0.3	323.0	NW	0.0	-	-	1.6	274.0	W	0.6	80.0	E	1.5	272.0	W	0.2	-	-	1.7	274.0	W
10:00 AM - 11:00 AM	0.2	-	-	1.9	287.0	WNW	0.0	-	-	1.1	121.0	ESE	0.9	249.0	WSW	1.2	222.0	SW	0.0	-	-
11:00 AM - 12:00 PM	1.2	289.0	WNW	0.7	319.0	NW	0.7	286.0	WNW	2.3	231.0	SW	1.8	275.0	W	1.6	210.0	SSW	2.7	279.0	W
12:00 PM - 01:00 PM	0.6	214.0	SW	0.0	-	-	1.8	294.0	WNW	0.9	238.0	WSW	2.2	273.0	W	0.5	231.0	SW	1.9	189.0	S
01:00 PM - 02:00 PM	0.2	-	-	0.0	-	-	1.9	281.0	W	0.4	203.0	SSW	3.5	246.0	WSW	0.0	-	-	0.0	-	-
02:00 PM - 03:00 PM	0.2	-	-	0.0	-	-	0.1	-	-	0.7	201.0	SSW	0.2	-	-	0.6	234.0	SW	0.0	-	-
03:00 PM - 04:00 PM	0.3	328.0	NNW	1.4	284.0	WNW	0.0	-	-	0.7	207.0	SSW	0.3	207.0	SSW	1.0	180.0	S	0.0	-	-
04:00 PM - 05:00 PM	0.2	-	-	0.4	297.0	WNW	0.0	-	-	0.6	209.0	SSW	0.1	-	-	0.2	-	-	0.0	-	-
05:00 PM - 06:00 PM	0.1	-	-	0.0	-	-	1.7	286.0	WNW	0.0	-	-	1.2	275.0	W	0.3	90.0	E	0.0	-	-
06:00 PM - 07:00 PM	0.0	-	-	0.3	268.0	W	0.6	255.0	WSW	0.0	-	-	0.6	280.0	W	0.2	-	-	0.0	-	-
07:00 PM - 08:00 PM	1.5	281.0	W	1.4	274.0	W	0.9	290.0	WNW	1.2	201.0	SSW	0.7	281.0	W	0.6	211.0	SSW	0.0	-	-
08:00 PM - 09:00 PM	0.0	-	-	0.0	-	-	1.8	283.0	WNW	0.0	-	-	0.0	-	-	1.2	145.0	SE	0.0	-	-
09:00 PM - 10:00 PM	0.0	-	-	2.1	288.0	WNW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
10:00 PM - 11:00 PM	0.7	271.0	W	0.2	-	-	0.7	293.0	WNW	0.0	-	-	0.0	-	-	0.0	-	-	0.7	274.0	W
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	1.9	279.0	W	0.0	-	-	0.0	-	-	0.0	-	-	1.6	288.0	WNW
12:00 AM - 01:00 AM	0.9	302.0	WNW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
01:00 AM - 02:00 AM	0.0	-	-	2.1	282.0	WNW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	0.7	108.0	ESE	0.0	-	-	0.0	-	-	0.0	-	-	0.3	287.0	WNW
03:00 AM - 04:00 AM	0.7	262.0	W	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
04:00 AM - 05:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	0.3	131.0	SE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
06:00 AM - 07:00 AM	0.0	-	-	0.6	296.0	WNW	0.2	-	-	0.0	-	-	1.0	214.0	SW	1.0	270.0	W	1.0	144.0	SE
07:00 AM - 08:00 AM	0.0	-	-	0.0	-	-	1.2	85.0	E	0.4	195.0	SSW	2.0	164.0	SSE	0.6	229.0	SW	0.6	287.0	WNW
08:00 AM - 09:00 AM	0.0	-	-	0.0	-	-	1.3	92.0	E	1.0	115.0	ESE	0.3	189.0	S	0.6	279.0	W	1.0	292.0	WNW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Analysis / Test Report

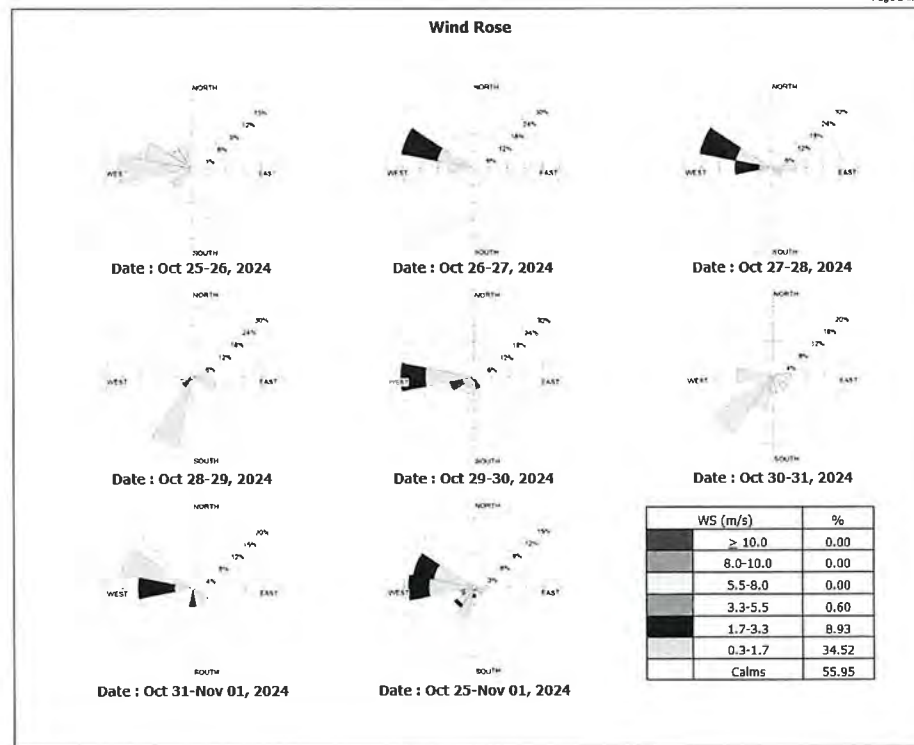
Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150

P/O : GLOW-OM-22-103

Project Name :
Project Location : GEN

Lot ID: 2483302
Date Received :Nov 04, 2024
Date Reported :Nov 11, 2024
Report Number :3061574-1

Page 2 of 2



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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150

Lot ID: 2483302
Date Received :Nov 04, 2024
Date Reported :Nov 11, 2024
Report Number :3061574-1

P/O : GLOW-OM-22-103

Project Name :

Project Location : GEN

Sample Number 2483302-8 to 14

Parameter Wind Speed / Wind Direction

Location ศูนย์วิจัยและพัฒนาพลังงานทดแทน (AZ) (GPS 47P 0731971, 1408110)

Sampling Date Oct 25 - Nov 01, 2024

Sampling by Mongkon Phalathip

Page 1 of 2

Time	Oct 25 - Oct 26, 2024			Oct 26 - Oct 27, 2024			Oct 27 - Oct 28, 2024			Oct 28 - Oct 29, 2024			Oct 29 - Oct 30, 2024			Oct 30 - Oct 31, 2024			Oct 31 - Nov 01, 2024		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
11:00 AM - 12:00 PM	1.5	322.0	NW	2.3	330.0	NNW	2.4	305.0	NW	0.0	-	-	0.9	209.0	SSW	0.0	-	-	1.7	352.0	N
12:00 PM - 01:00 PM	0.4	168.0	SSE	2.4	331.0	NNW	0.6	354.0	N	1.6	228.0	SW	2.4	159.0	SSE	1.8	180.0	S	1.4	48.0	NE
01:00 PM - 02:00 PM	0.9	18.0	NNE	0.2	-	-	0.0	-	-	0.4	108.0	ESE	2.1	185.0	S	0.6	176.0	S	0.7	57.0	ENE
02:00 PM - 03:00 PM	1.2	347.0	NNW	0.4	278.0	W	3.6	324.0	NW	0.0	-	-	1.1	97.0	E	1.5	239.0	WSW	0.9	49.0	NE
03:00 PM - 04:00 PM	0.0	-	-	0.0	-	-	2.5	310.0	NW	0.0	-	-	2.7	137.0	SE	0.9	178.0	S	0.5	150.0	SSE
04:00 PM - 05:00 PM	0.8	326.0	NW	0.3	235.0	SW	0.0	-	-	0.0	-	-	1.0	158.0	SSE	1.9	50.0	NE	0.0	-	-
05:00 PM - 06:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.5	218.0	SW	1.0	356.0	N	0.0	-	-
06:00 PM - 07:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	1.1	45.0	NE	0.8	233.0	SW	0.0	-	-	0.0	-	-
07:00 PM - 08:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.6	198.0	SSW	0.0	-	-	0.4	76.0	ENE	0.0	-	-
08:00 PM - 09:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.4	86.0	E	0.0	-	-	0.6	59.0	ENE	0.0	-	-
09:00 PM - 10:00 PM	0.0	-	-	1.7	253.0	WSW	0.8	317.0	NW	0.0	-	-	0.0	-	-	0.9	304.0	NW	0.0	-	-
10:00 PM - 11:00 PM	0.2	-	-	0.0	-	-	0.3	346.0	NNW	1.4	54.0	NE	0.0	-	-	0.0	-	-	0.0	-	-
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	0.7	28.0	NNE	0.0	-	-
12:00 AM - 01:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.5	132.0	SE	0.0	-	-
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	1.1	63.0	ENE	0.0	-	-	0.0	-	-	0.4	32.0	NNE	0.0	-	-
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	0.5	83.0	E	0.0	-	-	1.6	238.0	WSW	0.8	345.0	NNW	0.0	-	-
04:00 AM - 05:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.5	182.0	S	0.0	-	-	0.6	44.0	NE
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.7	248.0	WSW	0.4	59.0	ENE	1.5	51.0	NE
06:00 AM - 07:00 AM	0.0	-	-	0.0	-	-	0.8	2.0	N	1.4	40.0	NE	0.8	340.0	NNW	0.0	-	-	1.4	50.0	NE
07:00 AM - 08:00 AM	2.0	324.0	NW	0.0	-	-	0.9	62.0	ENE	0.1	-	-	0.9	65.0	ENE	0.0	-	-	0.0	-	-
08:00 AM - 09:00 AM	1.9	306.0	NW	0.4	245.0	WSW	1.2	26.0	NNE	0.6	325.0	NW	0.7	43.0	NE	1.1	319.0	NW	1.7	284.0	WNW
09:00 AM - 10:00 AM	2.1	23.0	NNE	3.5	306.0	NW	0.1	-	-	1.7	297.0	WNW	1.4	100.0	E	0.5	288.0	WNW	0.0	-	-
10:00 AM - 11:00 AM	4.4	313.0	NW	0.0	-	-	0.2	-	-	0.1	-	-	0.0	-	-	0.8	5.0	N	0.3	89.0	E

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Analysis / Test Report

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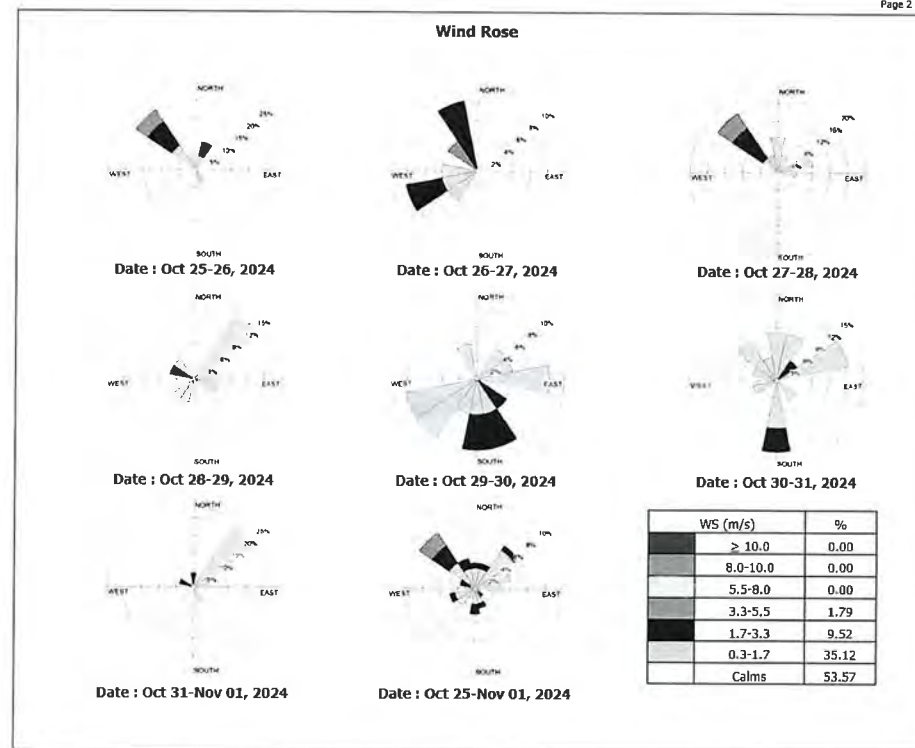
Lot ID: 2483302
Date Received :Nov 04, 2024
Date Reported :Nov 11, 2024
Report Number :3061574-1

P/O : GLOW-OM-22-103

Project Name :

Project Location : GEN

Page 2 of 2



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Lot ID: 2483302
Date Received :Nov 04, 2024
Date Reported :Nov 11, 2024
Report Number :3061574-1

P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Page 1 of 2

Sample Number : 2483302-15 to 21
Parameter : Wind Speed / Wind Direction
Location : เมืองไทยมาตุภูมิ (A3) (GPS 47P 0735046, 1406260)
Sampling Date : Oct 25 - Nov 01, 2024
Sampling by : Mongkon Phalathip

Time	Oct 25 - Oct 26, 2024			Oct 26 - Oct 27, 2024			Oct 27 - Oct 28, 2024			Oct 28 - Oct 29, 2024			Oct 29 - Oct 30, 2024			Oct 30 - Oct 31, 2024			Oct 31 - Nov 01, 2024		
	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	0.5	311.0	NW	0.5	333.0	NNW	2.0	271.0	W	1.2	126.0	SE	0.8	101.0	E	1.5	172.0	S	0.0	-	-
11:00 AM - 12:00 PM	0.0	-	-	0.8	317.0	NW	4.1	328.0	NNW	0.8	169.0	S	0.8	198.0	SSW	1.4	155.0	SSE	1.5	62.0	ENE
12:00 PM - 01:00 PM	1.7	16.0	NNE	0.3	292.0	WNW	1.5	30.0	NNE	1.2	210.0	SSW	0.0	-	-	3.0	149.0	SSE	0.0	-	-
01:00 PM - 02:00 PM	1.3	324.0	NW	0.3	239.0	WSW	0.3	278.0	W	1.1	217.0	SW	0.6	111.0	ESE	2.8	143.0	SE	2.9	16.0	NNE
02:00 PM - 03:00 PM	1.6	1.0	N	1.3	304.0	NW	0.1	-	-	0.4	58.0	ENE	2.7	172.0	S	0.7	130.0	SE	0.0	-	-
03:00 PM - 04:00 PM	1.6	217.0	SW	1.2	249.0	WSW	2.0	319.0	NW	0.5	133.0	SE	1.7	148.0	SSE	0.6	97.0	E	0.0	-	-
04:00 PM - 05:00 PM	0.0	-	-	0.3	314.0	NW	0.5	278.0	W	0.4	166.0	SSE	1.4	113.0	ESE	1.7	349.0	N	0.2	-	-
05:00 PM - 06:00 PM	0.0	-	-	0.3	317.0	NW	0.0	-	-	0.0	-	-	0.7	166.0	SSE	0.4	335.0	NNW	0.0	-	-
06:00 PM - 07:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.5	10.0	N	0.0	-	-
07:00 PM - 08:00 PM	0.0	-	-	0.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
08:00 PM - 09:00 PM	0.0	-	-	0.3	253.0	WSW	0.0	-	-	0.0	-	-	0.3	101.0	E	0.1	-	-	0.0	-	-
09:00 PM - 10:00 PM	0.0	-	-	2.4	251.0	WSW	0.0	-	-	0.0	-	-	1.2	144.0	SE	0.0	-	-	0.0	-	-
10:00 PM - 11:00 PM	0.1	-	-	0.8	335.0	NNW	0.0	-	-	0.0	-	-	1.8	164.0	SSE	0.3	353.0	N	0.3	248.0	WSW
11:00 PM - 12:00 AM	0.2	-	-	2.3	275.0	W	0.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.9	271.0	W
12:00 AM - 01:00 AM	1.2	287.0	WNW	0.0	-	-	0.0	-	-	0.0	-	-	0.9	23.0	NNE	0.1	-	-	0.3	1.0	N
01:00 AM - 02:00 AM	0.5	268.0	W	0.3	260.0	W	0.7	343.0	NNW	0.0	-	-	0.2	-	-	0.1	-	-	0.3	1.0	N
02:00 AM - 03:00 AM	0.6	256.0	WSW	1.5	291.0	WNW	1.1	341.0	NNW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
03:00 AM - 04:00 AM	0.0	-	-	1.0	345.0	NNW	0.9	33.0	NNE	0.0	-	-	0.4	123.0	ESE	0.3	355.0	N	0.0	-	-
04:00 AM - 05:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.2	177.0	S	0.0	-	-	0.0	-	-
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.1	-	-	0.8	359.0	N	0.4	359.0	N
06:00 AM - 07:00 AM	1.7	323.0	NW	0.5	266.0	W	1.2	348.0	NNW	1.4	44.0	NE	0.0	-	-	0.9	40.0	NE	0.3	48.0	NE
07:00 AM - 08:00 AM	3.0	337.0	NNW	0.6	295.0	WNW	1.4	359.0	N	0.0	-	-	0.5	87.0	E	0.4	31.0	NNE	0.9	325.0	NW
08:00 AM - 09:00 AM	1.6	307.0	NW	0.2	-	-	1.8	27.0	NNE	0.9	241.0	WSW	0.0	-	-	0.1	-	-	0.2	-	-
09:00 AM - 10:00 AM	2.6	310.0	NW	1.3	262.0	W	0.7	96.0	E	0.6	328.0	NNW	0.8	88.0	E	0.0	-	-	1.0	326.0	NW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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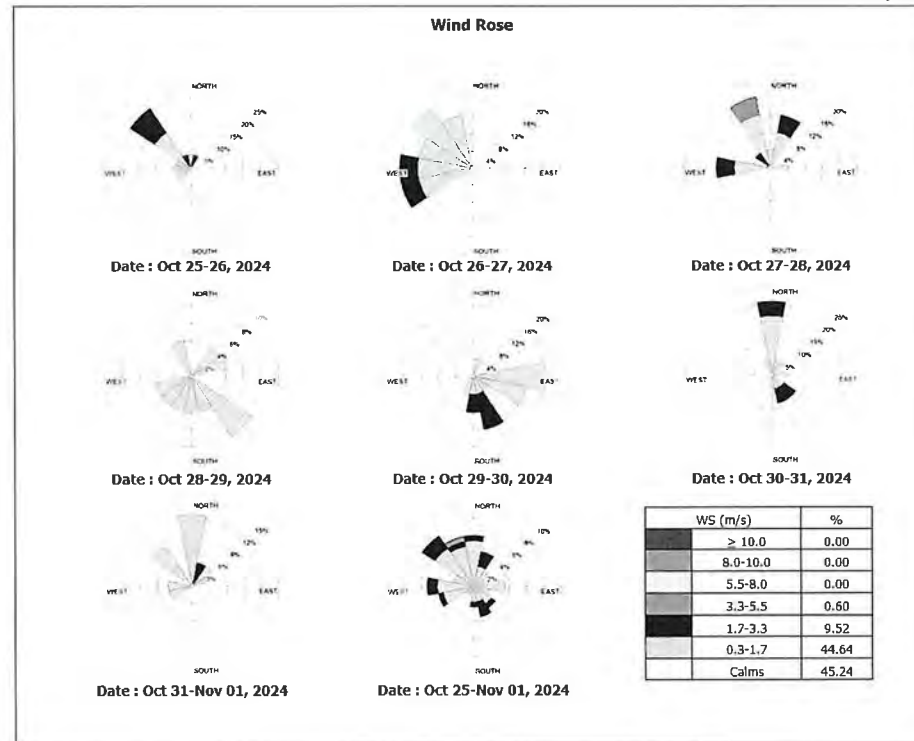
Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150

Lot ID: 2483302
Date Received :Nov 04, 2024
Date Reported :Nov 11, 2024
Report Number :3061574-1

P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

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Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150

Lot ID: 2483302
Date Received :Nov 04, 2024
Date Reported :Nov 11, 2024
Report Number :3061574-1

P/O : GLOW-OM-22-103

Project Name :

Project Location : GEN

Sample Number 2483302-22 to 28
Parameter Wind Speed / Wind Direction
Location โรงเรือนบำบัดอากาศ (โสมถาวรสูง) (A4) (GPS 47P 0735345, 1406681)
Sampling Date Oct 25 - Nov 01, 2024
Sampling by Mongkon Phalathip

Page 1 of 2

Time	Oct 25 - Oct 26, 2024			Oct 26 - Oct 27, 2024			Oct 27 - Oct 28, 2024			Oct 28 - Oct 29, 2024			Oct 29 - Oct 30, 2024			Oct 30 - Oct 31, 2024			Oct 31 - Nov 01, 2024		
	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	0.9	131.0	SE	0.0	-	-	0.0	-	-	0.6	209.0	SSW	2.3	197.0	SSW	1.3	235.0	SW	1.0	46.0	NE
01:00 PM - 02:00 PM	0.3	241.0	WSW	0.6	221.0	SW	1.1	99.0	E	0.0	-	-	0.6	208.0	SSW	0.6	249.0	WSW	2.1	220.0	SW
02:00 PM - 03:00 PM	1.3	59.0	ENE	1.9	29.0	NNE	2.1	184.0	S	1.2	191.0	S	0.2	-	-	1.1	182.0	S	0.9	92.0	E
03:00 PM - 04:00 PM	1.2	247.0	WSW	0.3	55.0	NE	1.3	320.0	NW	0.6	177.0	S	0.6	162.0	SSE	1.0	108.0	ESE	1.8	173.0	S
04:00 PM - 05:00 PM	1.3	211.0	SSW	2.1	166.0	SSE	0.9	2.0	N	0.3	167.0	SSE	1.8	112.0	ESE	1.1	48.0	NE	1.2	154.0	SSE
05:00 PM - 06:00 PM	0.5	188.0	S	1.3	188.0	S	1.4	345.0	NNW	0.0	-	-	1.2	39.0	NE	0.2	-	-	1.3	172.0	S
06:00 PM - 07:00 PM	1.0	184.0	S	0.9	216.0	SW	0.6	73.0	ENE	0.0	-	-	1.9	136.0	SE	0.2	-	-	0.0	-	-
07:00 PM - 08:00 PM	0.0	-	-	0.5	189.0	S	0.0	-	-	0.0	-	-	0.0	-	-	0.1	-	-	0.0	-	-
08:00 PM - 09:00 PM	0.0	-	-	1.1	45.0	NE	0.0	-	-	0.0	-	-	0.0	-	-	0.6	180.0	S	0.0	-	-
09:00 PM - 10:00 PM	0.0	-	-	0.3	214.0	SW	0.0	-	-	0.0	-	-	0.3	146.0	SE	0.1	-	-	0.0	-	-
10:00 PM - 11:00 PM	0.0	-	-	0.5	231.0	SW	1.2	237.0	WSW	0.0	-	-	0.2	-	-	0.0	-	-	0.0	-	-
11:00 PM - 12:00 AM	0.0	-	-	1.2	77.0	ENE	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	0.0	-	-
12:00 AM - 01:00 AM	0.3	149.0	SSE	0.3	205.0	SSW	0.0	-	-	0.0	-	-	0.3	35.0	NE	0.0	-	-	0.3	190.0	S
01:00 AM - 02:00 AM	0.6	100.0	E	0.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
02:00 AM - 03:00 AM	1.7	187.0	S	0.0	-	-	0.0	-	-	0.7	8.0	N	0.0	-	-	1.1	63.0	ENE	1.0	236.0	SW
03:00 AM - 04:00 AM	0.1	-	-	0.0	-	-	1.4	223.0	SW	0.6	212.0	SSW	0.0	-	-	1.0	48.0	NE	0.3	39.0	NE
04:00 AM - 05:00 AM	0.5	52.0	NE	0.0	-	-	1.2	159.0	SSE	0.0	-	-	0.0	-	-	0.9	189.0	S	0.7	71.0	ENE
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	1.2	202.0	SSW	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-
06:00 AM - 07:00 AM	0.0	-	-	0.0	-	-	0.6	181.0	S	1.2	223.0	SW	0.0	-	-	0.0	-	-	1.2	43.0	NE
07:00 AM - 08:00 AM	0.0	-	-	0.4	207.0	SSW	0.4	248.0	WSW	2.1	98.0	E	0.0	-	-	0.0	-	-	1.4	241.0	WSW
08:00 AM - 09:00 AM	1.3	132.0	SE	0.2	-	-	1.2	201.0	SSW	1.5	206.0	SSW	0.0	-	-	1.5	112.0	ESE	2.6	42.0	NE
09:00 AM - 10:00 AM	2.6	25.0	NNE	0.0	-	-	0.1	-	-	1.4	63.0	ENE	0.9	200.0	SSW	2.3	85.0	E	2.1	56.0	NE
10:00 AM - 11:00 AM	1.9	187.0	S	1.2	226.0	SW	1.0	238.0	WSW	1.7	1.0	N	1.2	213.0	SSW	1.2	38.0	NE	1.6	58.0	ENE
11:00 AM - 12:00 PM	2.1	2.0	N	1.3	233.0	SW	1.6	48.0	NE	2.1	175.0	S	1.1	198.0	SSW	1.3	222.0	SW	1.9	126.0	SE

Reference Method : Cup Anemometer & Anodized Aluminum Vane Method

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
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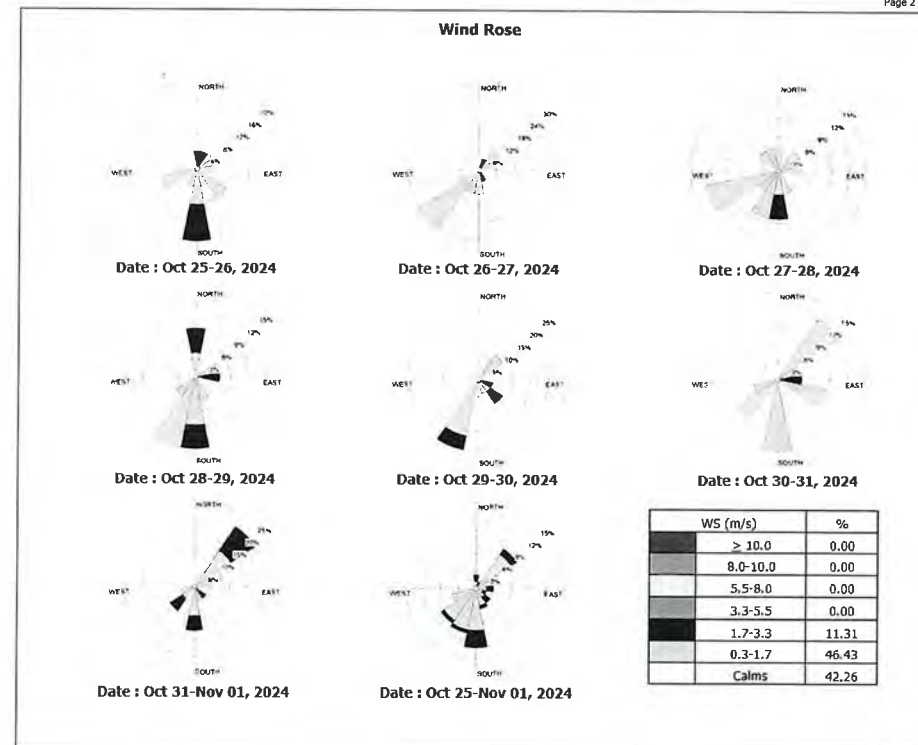
Lot ID: 2483302
Date Received :Nov 04, 2024
Date Reported :Nov 11, 2024
Report Number :3061574-1

P/O : GLOW-OM-22-103

Project Name :

Project Location : GEN

Page 2 of 2



Date : Oct 31-Nov 01, 2024

Date : Oct 25-Nov 01, 2024

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ภาคผนวก ค-2

คุณภาพอากาศจากปล่องระบาย



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483307
Date Received : Oct 28, 2024
Date Reported : Nov 04, 2024
Report Number : 3061604-1

Page 1 of 1

Sample Number 2483307-1
Sample Description Emission from Stationary Source
Location HRSG 41
Sampled Date Oct 26, 2024

Stack Description									
Ambient Temperature	33.8	°C	Diameter	3.00	m	Oxygen	13.27	%	
Ambient Pressure	754.7	mmHg	Shape	Circle		Carbon dioxide	4.22	%	
Type of Process	Combustion		Stack Temperature	116	°C	Gas Velocity	21.47	m/s	
Type of Fuel	Natural Gas		Moisture	8.08	%	Flow Rate	381803	Nm3/hr	

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Carbon Monoxide (ppm)		Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂
1	11:40 AM - 12:00 PM	13.31	4.19	1.00	1.83	22.36	40.93	0.11	0.20
2	12:01 PM - 12:21 PM	13.17	4.28	0.80	1.43	22.61	40.68	0.11	0.20
3	12:22 PM - 12:42 PM	13.33	4.19	1.06	1.94	22.33	41.01	0.13	0.25
Average (ppm)		13.27	4.22	0.95	1.74	22.43	40.87	0.12	0.22
Guideline ¹ (ppm)				-	-	-	54.0	-	1.2
Guideline ² (ppm)				-	-	-	120	-	20
Guideline ³ (ppm)				-	690	-	-	-	-
Result (mg/Nm ³)				1.09	1.99	42.20	76.90	0.31	0.57
Emission Rate at Actual O ₂ (g/s)				0.116		4.476		0.033	
Guideline ⁴ (g/s)				-		7.24		0.22	
Method				US EPA Method 10		US EPA Method 7E		US EPA Method 6C	

Sampled By : Usaree Namburee

Guideline : ¹Environmental Impact Assessment Report of GLOW ENERGY PUBLIC COMPANY LIMITED

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

³Notification 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)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483317
Date Received : Oct 26, 2024
Date Reported : Nov 04, 2024
Report Number: 3061614-1

Page 1 of 2

Sample Number 2483317-1
Sampled Date Oct 26, 2024
Sample Description Emission from Stationary Source
Location HRSG 41
Date Analysis Commenced Oct 28, 2024
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description									
Ambient Pressure	755	mmHg	Diameter	3.00	m	Oxygen	13.3	%	
Ambient Temperature	33.8	°C	Shape	Circle		Carbon Dioxide	4.2	%	
Type of Process	Combustion		Stack Temperature	116	°C	Gas Velocity	21.5	m/s	
Type of Fuel	Natural Gas		Moisture	8.04	%	Flow Rate (Actual O ₂)	382606	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 % O ₂ at 13.3 % O ₂	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	11:40 AM - 12:40 PM	mg/m3	-	0.5	<0.5 <0.5	15	60	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline :

Guideline (1) Environmental Impact Assessment Report of GLOW ENERGY PUBLIC COMPANY LIMITED.
Guideline (2) Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).

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ทะเบียนเลขที่ ร-323-ก-0029

ทะเบียนเลขที่ ร-323-ก-0001

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S:\Reports\Air Stack_O2_26L.rpt (9.30AM)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483317
Date Received : Oct 26, 2024
Date Reported : Nov 04, 2024
Report Number: 3061614-1

Page 2 of 2

Sample Number 2483317-1
Sampled Date Oct 26, 2024
Sample Description Emission from Stationary Source
Location HRSG 41
Date Analysis Commenced Oct 28, 2024
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	755	mmHg	Diameter	3.00	m	Oxygen	13.3	%
Ambient Temperature	33.8	°C	Shape	Circle		Carbon Dioxide	4.2	%
Type of Process	Combustion		Stack Temperature	116	°C	Gas Velocity	21.5	m/s
Type of Fuel	Natural Gas		Moisture	8.04	%	Flow Rate (Actual O ₂)	382606	Nm ³ /hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
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Air Testing

Total Suspended Particulate	11:40 AM - 12:40 PM	g/s	-	-	<0.053	1.07	-	Calculated	Rayong
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Guideline :

Guideline (1) Environmental Impact Assessment Report of GLOW ENERGY PUBLIC COMPANY LIMITED.
Guideline (2) Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).

Sampling By : Kantaphon Maneesampan โทรศัพท์ ๖-323-๖-0043

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.



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483308
Date Received : Oct 29, 2024
Date Reported : Nov 12, 2024
Report Number : 3061603-1

Page 1 of 1

Sample Number 2483308-1
Sample Description Emission from Stationary Source
Location HRSG 42
Sampled Date Oct 29, 2024

Stack Description

Ambient Temperature	33.6	°C	Diameter	3.00	m	Oxygen	13.09	%
Ambient Pressure	755.2	mmHg	Shape	Circle		Carbon dioxide	4.56	%
Type of Process	Combustion		Stack Temperature	107	°C	Gas Velocity	15.10	m/s
Type of Fuel	Natural Gas		Moisture	10.39	%	Flow Rate	268493	Nm ³ /hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Carbon Monoxide (ppm)		Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂
1	10:50 AM - 11:10 AM	13.09	4.57	0.28	0.49	20.75	36.93	0.08	0.13
2	11:11 AM - 11:31 AM	13.09	4.56	0.46	0.82	21.26	37.84	0.07	0.13
3	11:32 AM - 11:52 AM	13.10	4.55	0.29	0.52	21.16	37.72	0.07	0.13
Average (ppm)		13.09	4.56	0.34	0.61	21.06	37.50	0.07	0.13
Guideline ^{1/} (ppm)		-	-	-	-	-	54.0	-	1.2
Guideline ^{2/} (ppm)		-	-	-	-	-	120	-	20
Guideline ^{3/} (ppm)		-	-	-	690	-	-	-	-
Result (mg/Nm ³)		-	-	0.39	0.70	39.62	70.55	0.19	0.35
Emission Rate at Actual O ₂ (g/s)		-	-	0.029		2.955		0.014	
Guideline ^{1/} (g/s)		-	-	-		7.24		0.22	
Method		-	-	US EPA Method 10		US EPA Method 7E		US EPA Method 6C	

Sampled By : Saksit Phalsanphisit

Guideline : ^{1/}Environmental Impact Assessment Report of GLOW ENERGY PUBLIC COMPANY LIMITED

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

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

ทะเบียนเลขที่ ๖-323-๖-0029

ทะเบียนเลขที่ ๖-323-๖-0001

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Analysis / Test Report

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3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483318
Date Received : Oct 29, 2024
Date Reported : Nov 05, 2024
Report Number: 3061613-1

Page 1 of 2

Sample Number 2483318-1
Sampled Date Oct 29, 2024
Sample Description Emission from Stataionary Source
Location HRSG 42
Date Analysis Commenced Oct 30, 2024
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description									
Ambient Pressure	755	mmHg	Diameter	3.00	m	Oxygen	13.1	%	
Ambient Temperature	33.6	°C	Shape	Circle		Carbon Dioxide	4.6	%	
Type of Process	Combustion		Stack Temperature	106	°C	Gas Velocity	15.1	m/s	
Type of Fuel	Natural Gas		Moisture	10.35	%	Flow Rate (Actual O2)	268920	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂ at 13.1 % 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	15	60	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline :
Guideline (1) Environmental Impact Assessment Report of GLOW ENERGY PUBLIC COMPAN LIMITED.
Guideline (2) Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483318
Date Received : Oct 29, 2024
Date Reported : Nov 05, 2024
Report Number: 3061613-1

Page 2 of 2

Sample Number 2483318-1
Sampled Date Oct 29, 2024
Sample Description Emission from Stataionary Source
Location HRSG 42
Date Analysis Commenced Oct 30, 2024
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description									
Ambient Pressure	755	mmHg	Diameter	3.00	m	Oxygen	13.1	%	
Ambient Temperature	33.6	°C	Shape	Circle		Carbon Dioxide	4.6	%	
Type of Process	Combustion		Stack Temperature	106	°C	Gas Velocity	15.1	m/s	
Type of Fuel	Natural Gas		Moisture	10.35	%	Flow Rate (Actual O2)	268920	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	-	-	<0.037	1.07	-	Calculated	Rayong

Guideline :
Guideline (1) Environmental Impact Assessment Report of GLOW ENERGY PUBLIC COMPAN LIMITED.
Guideline (2) Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).

Sampling By : Jaradrawee Sriuksa ทะเบียนเลขที่ 7-323-ก-0058

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.

Analyst (1)
ทะเบียนเลขที่ 7-323-ก-0029

Senior Manager
ทะเบียนเลขที่ 7-323-ก-0001

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Analyst (1)
ทะเบียนเลขที่ 7-323-ก-0029

Senior Manager
ทะเบียนเลขที่ 7-323-ก-0001

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483309
Date Received : Oct 28, 2024
Date Reported : Nov 12, 2024
Report Number : 3061598-1

Page 1 of 1

Sample Number 2483309-1
Sample Description Emission from Stationary Source
Location HRSG 61
Sampled Date Oct 28, 2024

Stack Description									
Ambient Temperature	32.2	°C	Diameter	3.00	m	Oxygen	12.81	%	
Ambient Pressure	753.2	mmHg	Shape	Circle		Carbon dioxide	4.66	%	
Type of Process	Combustion		Stack Temperature	107	°C	Gas Velocity	17.27	m/s	
Type of Fuel	Natural Gas		Moisture	10.98	%	Flow Rate	304136	Nm3/hr	

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Carbon Monoxide (ppm)		Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂
1	11:20 AM - 11:40 AM	12.67	4.73	2.63	4.44	20.07	33.90	0.06	0.10
2	11:41 AM - 12:01 PM	12.80	4.67	2.35	4.04	19.64	33.73	0.04	0.07
3	12:02 PM - 12:22 PM	12.95	4.58	2.20	3.85	18.91	33.09	0.06	0.10
Average (ppm)		12.81	4.66	2.39	4.11	19.54	33.57	0.05	0.09
Guideline ^{1/} (ppm)				-	-	-	54.0	-	1.2
Guideline ^{2/} (ppm)				-	-	-	120	-	20
Guideline ^{3/} (ppm)				-	690	-	-	-	-
Result (mg/Nm ³)				2.74	4.71	36.77	63.16	0.13	0.23
Emission Rate at Actual O ₂ (g/s)				0.232		3.106		0.011	
Guideline ^{4/} (g/s)				-		7.24		0.22	
Method				US EPA Method 10		US EPA Method 7E		US EPA Method 6C	

Sampled By : Sathaporn Thakarn

Guideline : ^{1/}Environmental Impact Assessment Report of GLOW ENERGY PUBLIC COMPANY LIMITED

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

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483319
Date Received : Oct 28, 2024
Date Reported : Nov 05, 2024
Report Number: 3061611-1

Page 1 of 2

Sample Number 2483319-1
Sampled Date Oct 28, 2024
Sample Description Emission from Stationary Source
Location HRSG 61
Date Analysis Commenced Oct 30, 2024
Condition of Sample Extracted Into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description									
Ambient Pressure	753	mmHg	Diameter	3.00	m	Oxygen	12.8	%	
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	4.7	%	
Type of Process	Combustion		Stack Temperature	107	°C	Gas Velocity	17.3	m/s	
Type of Fuel	Natural Gas		Moisture	10.94	%	Flow Rate (Actual O ₂)	304599	Nm3/hr	

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 % O ₂ , at 12.8 % O ₂		Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	11:20 AM - 12:02 PM	mg/m3	-	0.5	<0.5	<0.5	15	60	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline :

Guideline (1) Environmental Impact Assessment Report of GLOW ENERGY PUBLIC COMPANY LIMITED.

Guideline (2) Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).

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ทะเบียนเลขที่ ว-323-จ-0029

ทะเบียนเลขที่ ว-323-ก-0001

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, 1-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483319
Date Received : Oct 28, 2024
Date Reported : Nov 05, 2024
Report Number: 3061611-1

Page 2 of 2

Sample Number 2483319-1
Sampled Date Oct 28, 2024
Sample Description Emission from Stationary Source
Location HRSG 61
Date Analysis Commenced Oct 30, 2024
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description							
Ambient Pressure	753	mmHg	Diameter	3.00	m	Oxygen	12.8 %
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	4.7 %
Type of Process	Combustion		Stack Temperature	107	°C	Gas Velocity	17.3 m/s
Type of Fuel	Natural Gas		Moisture	10.94	%	Flow Rate (Actual O2)	304599 Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	11:20 AM - 12:02 PM	g/s	-	-	<0.042	1.07	-	Calculated	Rayong

Guideline :
Guideline (1) Environmental Impact Assessment Report of GLOW ENERGY PUBLIC COMPANY LIMITED.
Guideline (2) Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).

Sampling By : Sittipon Sanachiw ทะเบียนเลขที่ ๖-323-๖-0009

Remark :

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, 1-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483310
Date Received : Oct 28, 2024
Date Reported : Nov 12, 2024
Report Number : 3061597-1

Page 1 of 1

Sample Number 2483310-1
Sample Description Emission from Stationary Source
Location HRSG 62
Sampled Date Oct 28, 2024

Stack Description							
Ambient Temperature	32.2	°C	Diameter	3.00	m	Oxygen	13.32 %
Ambient Pressure	753.2	mmHg	Shape	Circle		Carbon dioxide	4.44 %
Type of Process	Combustion		Stack Temperature	112	°C	Gas Velocity	21.99 m/s
Type of Fuel	Natural Gas		Moisture	8.45	%	Flow Rate	392693 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Carbon Monoxide (ppm)		Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂
1	11:10 AM - 11:30 AM	13.15	4.56	0.56	1.00	20.88	37.45	0.11	0.19
2	11:31 AM - 11:51 AM	13.36	4.42	0.63	1.16	20.18	37.23	0.11	0.20
3	11:52 AM - 12:12 PM	13.45	4.36	0.92	1.72	19.97	37.27	0.11	0.21
Average (ppm)		13.32	4.44	0.70	1.29	20.34	37.32	0.11	0.20
Guideline ¹ (ppm)		-	-	-	-	-	54.0	-	1.2
Guideline ² (ppm)		-	-	-	-	-	120	-	20
Guideline ³ (ppm)		-	-	-	690	-	-	-	-
Result (mg/Nm ³)		-	-	0.80	1.48	38.28	70.21	0.29	0.53
Emission Rate at Actual O ₂ (g/s)		-	-	-	0.088	-	4.175	-	0.031
Guideline ³ (g/s)		-	-	-	-	-	7.24	-	0.22
Method		-	-	US EPA Method 10		US EPA Method 7E		US EPA Method 6C	

Sampled By : Saksit Phaisanphisit

Guideline :
¹Environmental Impact Assessment Report of GLOW ENERGY PUBLIC COMPANY LIMITED
²Notification of the Ministry of Natural Resources and Environment, 2023 (B.E. 2566) on Emission Standard from Power Plants.
³Notification 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)

ทะเบียนเลขที่ ๖-323-๖-0029

ทะเบียนเลขที่ ๖-323-๖-0001

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Analysis / Test Report

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3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483320
Date Received : Oct 28, 2024
Date Reported : Nov 05, 2024
Report Number: 3061609-1

Page 1 of 2

Sample Number 2483320-1
Sampled Date Oct 28, 2024
Sample Description Emission from Stationary Source
Location HRSG 62
Date Analysis Commenced Oct 30, 2024
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	753	mmHg	Diameter	3.00	m	Oxygen	13.3	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	4.4	%
Type of Process	Combustion		Stack Temperature	112	°C	Gas Velocity	22.0	m/s
Type of Fuel	Natural Gas		Moisture	8.40	%	Flow Rate (Actual O2)	393423	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 % O ₂	Result at 13.3 % O ₂	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing										
Total Suspended Particulate	11:20 AM - 12:08 PM	mg/m3	-	0.5	<0.5	<0.5	15	60	United States Environmental Protection Agency, EPA Method 5	Rayong

Guideline :

Guideline (1) Environmental Impact Assessment Report of GLOW ENERGY PUBLIC COMPANY LIMITED.
Guideline (2) Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483320
Date Received : Oct 28, 2024
Date Reported : Nov 05, 2024
Report Number: 3061609-1

Page 2 of 2

Sample Number 2483320-1
Sampled Date Oct 28, 2024
Sample Description Emission from Stationary Source
Location HRSG 62
Date Analysis Commenced Oct 30, 2024
Condition of Sample Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	753	mmHg	Diameter	3.00	m	Oxygen	13.3	%
Ambient Temperature	32.2	°C	Shape	Circle		Carbon Dioxide	4.4	%
Type of Process	Combustion		Stack Temperature	112	°C	Gas Velocity	22.0	m/s
Type of Fuel	Natural Gas		Moisture	8.40	%	Flow Rate (Actual O2)	393423	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	11:20 AM - 12:08 PM	g/s	-	-	<0.055	1.07	-	Calculated	Rayong

Guideline :

Guideline (1) Environmental Impact Assessment Report of GLOW ENERGY PUBLIC COMPANY LIMITED.
Guideline (2) Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).

Sampling By : Jaradawee Sriuksa ทะเบียนเลขที่ 7-323-ก-0058

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.

ทะเบียนเลขที่ 7-323-ก-0029

ทะเบียนเลขที่ 7-323-ก-0001

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ทะเบียนเลขที่ 7-323-ก-0029

ทะเบียนเลขที่ 7-323-ก-0001

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ภาคผนวก ค-3

การตรวจสอบความถูกต้องของระบบติดตามตรวจสอบคุณภาพอากาศจาก
ปล่องระบายอากาศแบบต่อเนื่อง ประจำปี พ.ศ. 2567
(CEMs Audit)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2423394
Date Received : Mar 12, 2024
Date Reported : Apr 10, 2024
Report Number : 2922095-1

Page 1 of 2

Sample Number 2423394-1
Sampled Date Mar 12, 2024
Sample Description Emission from Stationary Source
Location HRSG 41
Parameter NOx

Relative Accuracy 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	12-Mar-24	10:45	11:05	15.33	17.16	28.92	32.39	3.47
2	12-Mar-24	11:06	11:26	15.40	16.65	29.09	31.72	2.62
3	12-Mar-24	11:27	11:47	15.44	16.58	29.17	31.86	2.69
Average						29.06	31.99	2.93
Relative Accuracy Audit (Compared with RM) (%)								9.15
Relative Accuracy Audit Criteria ^{1/} (Compared with RM)								± 15%

Reference Method : US EPA Method 7E

Remark: ^{1/} Relative Accuracy Criteria of NOx is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2)

RAA Result is within Criteria



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2423394
Date Received : Mar 12, 2024
Date Reported : Apr 10, 2024
Report Number : 2922095-1

Page 2 of 2

Sample Number 2423394-1
Sampled Date Mar 12, 2024
Sample Description Emission from Stationary Source
Location HRSG 41
Parameter O2

Relative Accuracy Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1	12-Mar-24	10:45	11:05	13.53	13.54	0.00
2	12-Mar-24	11:06	11:26	13.54	13.60	0.06
3	12-Mar-24	11:27	11:47	13.54	13.66	0.12
Average				13.54	13.60	0.06
Relative Accuracy Audit (Compared with RM) (%)						0.46
Relative Accuracy Audit Criteria ^{1/} (Compared with RM)						± 15%

Reference Method : US EPA Method 3A

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

RAA Result is within Criteria

Sampled By : Worawich Tongpoom

ทะเบียนเลขที่ 7-204-ก-6113

ทะเบียนเลขที่ 7-204-ก-4702

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ทะเบียนเลขที่ 7-204-ก-6113

ทะเบียนเลขที่ 7-204-ก-4702

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2423404
Date Received : Apr 12, 2024
Date Reported : May 06, 2024
Report Number : 2922115-1

Page 1 of 2

Sample Number 2423404-1
Sampled Date Apr 12, 2024
Sample Description Emission from Stationary Source
Location HRSG 42
Parameter NOx

Relative Accuracy 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	12-Apr-24	10:50	11:10	16.69	16.33	31.13	30.76	-0.36
2	12-Apr-24	11:11	11:31	16.56	16.45	30.87	30.99	0.12
3	12-Apr-24	11:32	11:52	16.61	16.58	30.96	31.23	0.27
Average						30.99	31.00	0.01
Relative Accuracy Audit (Compared with RM) (%)								0.03
Relative Accuracy Audit Criteria ^{1/} (Compared with RM)								± 15%

Reference Method : US EPA Method 7E

Remark: ^{1/} Relative Accuracy Criteria of NOx Is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2)

RAA Result is within Criteria



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2423404
Date Received : Apr 12, 2024
Date Reported : May 06, 2024
Report Number : 2922115-1

Page 2 of 2

Sample Number 2423404-1
Sampled Date Apr 12, 2024
Sample Description Emission from Stationary Source
Location HRSG 42
Parameter O2

Relative Accuracy Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1	12-Apr-24	10:50	11:10	13.44	13.52	0.08
2	12-Apr-24	11:11	11:31	13.44	13.52	0.08
3	12-Apr-24	11:32	11:52	13.44	13.52	0.08
Average						0.08
Relative Accuracy Audit (Compared with RM) (%)						0.57
Relative Accuracy Audit Criteria ^{1/} (Compared with RM)						± 15%

Reference Method : US EPA Method 3A

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

RAA Result is within Criteria

Sampled By : Saksi Phalanshisut

Manager

ทะเบียนเลขที่ 2-204-ก-6113

Assistant General Manager

ทะเบียนเลขที่ 2-204-ก-4702

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Manager

ทะเบียนเลขที่ 2-204-ก-6113

Assistant General Manager

ทะเบียนเลขที่ 2-204-ก-4702

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2423405
Date Received : Mar 12, 2024
Date Reported : Apr 10, 2024
Report Number : 2922106-1

Page 1 of 2

Sample Number 2423405-1
Sampled Date Mar 11, 2024
Sample Description Emission from Stationary Source
Location HRS61
Parameter NOx

Relative Accuracy 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	11-Mar-24	11:30	11:50	21.33	18.80	36.08	35.10	-0.98
2	11-Mar-24	11:51	12:11	21.44	19.17	36.26	34.91	-1.36
3	11-Mar-24	12:12	12:32	21.52	19.39	36.36	34.91	-1.45
Average						36.23	34.97	-1.26
Relative Accuracy Audit (Compared with RM) (%)								-3.61
Relative Accuracy Audit Criteria ^{1/} (Compared with RM)								± 15%

Reference Method : US EPA Method 7E

Remark: ^{1/} Relative Accuracy Criteria of NOx is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2)

RAA Result is within Criteria



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2423405
Date Received : Mar 12, 2024
Date Reported : Apr 10, 2024
Report Number : 2922106-1

Page 2 of 2

Sample Number 2423405-1
Sampled Date Mar 11, 2024
Sample Description Emission from Stationary Source
Location HRS61
Parameter O2

Relative Accuracy Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1	11-Mar-24	11:30	11:50	12.68	13.46	0.77
2	11-Mar-24	11:51	12:11	12.68	13.27	0.59
3	11-Mar-24	12:12	12:32	12.67	13.18	0.51
Average				12.68	13.30	0.62
Relative Accuracy Audit (Compared with RM) (%)						4.68
Relative Accuracy Audit Criteria ^{1/} (Compared with RM)						± 15%

Reference Method : US EPA Method 3A

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

RAA Result is within Criteria

Sampled By : Worawich Tongpoom

Manager
ทะเบียนเลขที่ ว-204-ก-6113

Assistant General Manager
ทะเบียนเลขที่ ว-204-ก-4702

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Manager
ทะเบียนเลขที่ ว-204-ก-6113

Assistant General Manager
ทะเบียนเลขที่ ว-204-ก-4702

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2423406
Date Received : Mar 12, 2024
Date Reported : Apr 10, 2024
Report Number : 2922105-1

Page 1 of 2

Sample Number 2423406-1
Sampled Date Mar 11, 2024
Sample Description Emission from Stationary Source
Location HRSG 62
Parameter NOx

Relative Accuracy 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	11-Mar-24	13:30	13:50	19.86	18.97	38.77	36.56	-2.21
2	11-Mar-24	13:51	14:11	20.68	19.73	38.42	36.09	-2.33
3	11-Mar-24	14:12	14:32	21.48	19.32	38.05	36.49	-1.55
Average						38.41	36.38	-2.03
Relative Accuracy Audit (Compared with RM) (%)								-5.58
Relative Accuracy Audit Criteria ^{1/} (Compared with RM)								± 15%

Reference Method : US EPA Method 7E

Remark: ^{1/} Relative Accuracy Criteria of NOx is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2)

RAA Result is within Criteria



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2423406
Date Received : Mar 12, 2024
Date Reported : Apr 10, 2024
Report Number : 2922105-1

Page 2 of 2

Sample Number 2423406-1
Sampled Date Mar 11, 2024
Sample Description Emission from Stationary Source
Location HRSG 62
Parameter O2

Relative Accuracy Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1	11-Mar-24	13:30	13:50	13.78	13.69	-0.09
2	11-Mar-24	13:51	14:11	13.42	13.30	-0.12
3	11-Mar-24	14:12	14:32	13.05	13.54	0.49
Average				13.42	13.51	0.09
Relative Accuracy Audit (Compared with RM) (%)						0.69
Relative Accuracy Audit Criteria ^{1/} (Compared with RM)						± 15%

Reference Method : US EPA Method 3A

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

RAA Result is within Criteria

Sampled By : Worawich Tongpoom

Manager

ทะเบียนเลขที่ 2-204-ก-6113

Assistant General Manager

ทะเบียนเลขที่ 2-204-ก-4702

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Manager

ทะเบียนเลขที่ 2-204-ก-6113

Assistant General Manager

ทะเบียนเลขที่ 2-204-ก-4702

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Analysis / Test Report

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3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483325
Date Received : Oct 28, 2024
Date Reported : Dec 16, 2024
Report Number : 3061615-1

Page 1 of 2

Sample Number : 2483325-1
Sampled Date : Oct 26, 2024
Sample Description : Emission from Stationary Source
Location : HRSG 41
Parameter : NOx

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1*	26 Oct 24	10:20	10:40	22.22	21.90	41.21	40.04	-1.16
2*	26 Oct 24	10:41	11:01	22.26	22.30	41.27	40.75	-0.52
3*	26 Oct 24	11:02	11:22	22.13	22.26	41.05	40.71	-0.33
4	26 Oct 24	11:23	11:43	22.09	22.21	40.95	40.67	-0.28
5	26 Oct 24	11:44	12:04	22.22	22.37	41.22	40.97	-0.25
6	26 Oct 24	12:05	12:25	22.50	22.63	40.94	40.74	-0.20
7	26 Oct 24	12:26	12:46	22.22	22.32	41.20	41.01	-0.20
8	26 Oct 24	12:47	13:07	22.06	22.26	40.83	40.87	0.05
9	26 Oct 24	13:08	13:28	22.08	22.34	40.57	40.71	0.13
10	26 Oct 24	13:29	13:49	21.90	22.15	40.47	40.54	0.07
11	26 Oct 24	13:50	14:10	21.80	22.10	40.33	40.46	0.13
12	26 Oct 24	14:11	14:31	22.67	22.71	40.41	40.30	-0.11
Average						40.77	40.70	-0.07
Confidence Coefficient (CC)								0.13
Relative Accuracy (Compared with RM) (%)								0.50
Relative Accuracy Criteria ^{1/} (Compared with RM)								≤ 20%

Reference Method : US EPA Method 7E

Remark: * Sample with * Is a rejected data

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

RA Result is within Criteria



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483325
Date Received : Oct 28, 2024
Date Reported : Dec 16, 2024
Report Number : 3061615-1

Page 2 of 2

Sample Number : 2483325-1
Sampled Date : Oct 26, 2024
Sample Description : Emission from Stationary Source
Location : HRSG 41
Parameter : O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1*	26 Oct 24	10:20	10:40	13.41	13.30	-0.11
2*	26 Oct 24	10:41	11:01	13.40	13.29	-0.11
3*	26 Oct 24	11:02	11:22	13.40	13.30	-0.11
4	26 Oct 24	11:23	11:43	13.40	13.31	-0.09
5	26 Oct 24	11:44	12:04	13.40	13.31	-0.09
6	26 Oct 24	12:05	12:25	13.26	13.18	-0.09
7	26 Oct 24	12:26	12:46	13.40	13.33	-0.07
8	26 Oct 24	12:47	13:07	13.39	13.33	-0.06
9	26 Oct 24	13:08	13:28	13.34	13.27	-0.06
10	26 Oct 24	13:29	13:49	13.38	13.31	-0.07
11	26 Oct 24	13:50	14:10	13.39	13.31	-0.08
12	26 Oct 24	14:11	14:31	13.10	13.07	-0.03
Average				13.34	13.27	-0.07
Confidence Coefficient (CC)						-
Relative Accuracy (Compared in Actual) (%)						0.07
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 : Ussaree Namburee

Manager

ทะเบียนเลขที่ 2-204-ท-0006

Assistant General Manager

ทะเบียนเลขที่ 2-204-ท-0003

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Manager

ทะเบียนเลขที่ 2-204-ท-0006

Assistant General Manager

ทะเบียนเลขที่ 2-204-ท-0003

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3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483327
Date Received : Oct 29, 2024
Date Reported : Jan 27, 2025
Report Number : 3061620-1

Page 1 of 2

Sample Number : 2483327-1
Sampled Date : Oct 29, 2024
Sample Description : Emission from Stationary Source
Location : HRSO 42
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	29 Oct 24	10:40	11:00	20.50	20.51	36.89	36.49	-0.39
2	29 Oct 24	11:01	11:21	20.83	21.30	37.53	37.87	0.34
3	29 Oct 24	11:22	11:42	20.70	21.06	37.24	37.47	0.23
4	29 Oct 24	11:43	12:03	20.84	21.23	37.53	37.82	0.29
5	29 Oct 24	12:04	12:24	20.60	20.98	37.08	37.39	0.31
6	29 Oct 24	12:25	12:45	20.41	20.82	36.66	37.09	0.43
7*	29 Oct 24	12:46	13:06	20.15	20.56	36.11	36.62	0.51
8	29 Oct 24	13:07	13:27	20.20	20.54	36.19	36.61	0.42
9*	29 Oct 24	13:28	13:48	20.25	20.60	36.28	36.73	0.44
10	29 Oct 24	13:49	14:09	20.18	20.54	36.14	36.57	0.43
11	29 Oct 24	14:10	14:30	20.21	20.57	36.18	36.62	0.44
12*	29 Oct 24	14:31	14:51	20.18	20.56	36.13	36.62	0.49
Average						36.82	37.10	0.28
Confidence Coefficient (CC)								0.20
Relative Accuracy (Compared with RM) (%)								1.29
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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483327
Date Received : Oct 29, 2024
Date Reported : Jan 27, 2025
Report Number : 3061620-1

Page 2 of 2

Sample Number : 2483327-1
Sampled Date : Oct 29, 2024
Sample Description : Emission from Stationary Source
Location : HRSO 42
Parameter : O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1*	29 Oct 24	10:40	11:00	13.17	13.09	-0.09
2*	29 Oct 24	11:01	11:21	13.18	13.08	-0.10
3*	29 Oct 24	11:22	11:42	13.17	13.09	-0.09
4	29 Oct 24	11:43	12:03	13.18	13.10	-0.08
5	29 Oct 24	12:04	12:24	13.18	13.10	-0.08
6	29 Oct 24	12:25	12:45	13.16	13.10	-0.07
7	29 Oct 24	12:46	13:06	13.14	13.10	-0.05
8	29 Oct 24	13:07	13:27	13.14	13.10	-0.04
9	29 Oct 24	13:28	13:48	13.14	13.10	-0.04
10	29 Oct 24	13:49	14:09	13.14	13.09	-0.04
11	29 Oct 24	14:10	14:30	13.13	13.09	-0.04
12	29 Oct 24	14:31	14:51	13.14	13.09	-0.04
Average				13.15	13.10	-0.05
Confidence Coefficient (CC)						-
Relative Accuracy (Compared in Actual) (%)						0.05
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 Phalsanphusut

Manager
ทะเบียนเลขที่ 2-204-ก-0006

Assistant General Manager
ทะเบียนเลขที่ 2-204-ก-0003

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Manager
ทะเบียนเลขที่ 2-204-ก-0006

Assistant General Manager
ทะเบียนเลขที่ 2-204-ก-0003

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Analysis / Test Report

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3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483328
Date Received : Oct 28, 2024
Date Reported : Dec 16, 2024
Report Number : 3061619-1

Page 1 of 2

Sample Number 2483328-1
Sampled Date Oct 28, 2024
Sample Description Emission from Stationary Source
Location HRSG 61
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	28 Oct 24	11:20	11:40	19.51	20.07	33.21	33.90	0.68
2	28 Oct 24	11:41	12:01	19.15	19.64	33.02	33.73	0.71
3*	28 Oct 24	12:02	12:22	18.35	18.91	32.22	33.09	0.87
4	28 Oct 24	12:23	12:43	18.34	18.89	31.41	32.18	0.77
5	28 Oct 24	12:44	13:04	18.79	19.30	31.50	32.25	0.75
6	28 Oct 24	13:05	13:25	19.71	20.12	31.75	32.43	0.67
7*	28 Oct 24	13:26	13:46	19.66	20.35	31.78	32.61	0.83
8*	28 Oct 24	13:47	14:07	18.45	19.11	31.40	32.28	0.87
9	28 Oct 24	14:08	14:28	17.86	18.28	31.04	31.65	0.61
10	28 Oct 24	14:29	14:49	17.82	18.27	31.31	31.87	0.56
11	28 Oct 24	14:50	15:10	17.82	18.21	31.41	31.91	0.50
12	28 Oct 24	15:11	15:31	18.23	18.65	31.46	32.03	0.57
Average						31.79	32.44	0.65
Confidence Coefficient (CC)								0.07
Relative Accuracy (Compared with RM) (%)								2.21
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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483328
Date Received : Oct 28, 2024
Date Reported : Dec 16, 2024
Report Number : 3061619-1

Page 2 of 2

Sample Number 2483328-1
Sampled Date Oct 28, 2024
Sample Description Emission from Stationary Source
Location HRSG 61
Parameter O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1*	28 Oct 24	11:20	11:40	12.73	12.67	-0.06
2	28 Oct 24	11:41	12:01	12.84	12.80	-0.03
3	28 Oct 24	12:02	12:22	12.98	12.95	-0.03
4	28 Oct 24	12:23	12:43	12.78	12.74	-0.04
5	28 Oct 24	12:44	13:04	12.61	12.58	-0.02
6	28 Oct 24	13:05	13:25	12.27	12.28	0.00
7*	28 Oct 24	13:26	13:46	12.30	12.23	-0.08
8*	28 Oct 24	13:47	14:07	12.74	12.67	-0.06
9	28 Oct 24	14:08	14:28	12.90	12.87	-0.03
10	28 Oct 24	14:29	14:49	12.99	12.93	-0.06
11	28 Oct 24	14:50	15:10	13.01	12.97	-0.05
12	28 Oct 24	15:11	15:31	12.84	12.81	-0.04
Average				12.80	12.77	-0.03
Confidence Coefficient (CC)						-
Relative Accuracy (Compared in Actual) (%)						0.03
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 : Sathaporn Thakurav

Manager
ทะเบียนเลขที่ 2-204-ก-0006

Assistant General Manager
ทะเบียนเลขที่ 2-204-ก-0003

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Manager
ทะเบียนเลขที่ 2-204-ก-0006

Assistant General Manager
ทะเบียนเลขที่ 2-204-ก-0003

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483329
Date Received : Oct 28, 2024
Date Reported : Jan 27, 2025
Report Number : 3061618-1

Page 1 of 2

Sample Number : 2483329-1
Sampled Date : Oct 28, 2024
Sample Description : Emission from Stationary Source
Location : HRS6 62
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	28 Oct 24	11:10	11:30	21.02	20.88	37.36	37.45	0.09
2	28 Oct 24	11:31	11:51	20.35	20.18	37.26	37.23	-0.04
3	28 Oct 24	11:52	12:12	20.05	19.97	37.33	37.27	-0.06
4*	28 Oct 24	12:13	12:33	19.54	19.37	35.76	35.61	-0.15
5*	28 Oct 24	12:34	12:54	19.60	19.24	35.50	35.21	-0.29
6	28 Oct 24	12:55	13:15	20.15	19.90	35.42	35.33	-0.09
7	28 Oct 24	13:16	13:36	20.97	20.75	35.20	35.20	0.00
8*	28 Oct 24	13:37	13:57	19.76	19.72	35.39	35.52	0.13
9	28 Oct 24	13:58	14:18	19.15	18.82	35.26	35.24	-0.02
10	28 Oct 24	14:19	14:39	19.45	19.24	35.26	35.32	0.06
11	28 Oct 24	14:40	15:00	19.59	19.33	35.46	35.47	0.01
12	28 Oct 24	15:01	15:21	19.68	19.33	35.49	35.45	-0.05
Average						36.00	35.99	-0.01
Confidence Coefficient (CC)								0.04
Relative Accuracy (Compared with RM) (%)								0.15
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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483329
Date Received : Oct 28, 2024
Date Reported : Jan 27, 2025
Report Number : 3061618-1

Page 2 of 2

Sample Number : 2483329-1
Sampled Date : Oct 28, 2024
Sample Description : Emission from Stationary Source
Location : HRS6 62
Parameter : O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1	28 Oct 24	11:10	11:30	13.08	13.15	0.07
2	28 Oct 24	11:31	11:51	13.31	13.36	0.06
3	28 Oct 24	11:52	12:12	13.43	13.45	0.02
4	28 Oct 24	12:13	12:33	13.31	13.34	0.04
5	28 Oct 24	12:34	12:54	13.23	13.31	0.08
6	28 Oct 24	12:55	13:15	12.99	13.07	0.08
7	28 Oct 24	13:16	13:36	12.62	12.71	0.09
8	28 Oct 24	13:37	13:57	13.14	13.18	0.05
9*	28 Oct 24	13:58	14:18	13.35	13.47	0.13
10	28 Oct 24	14:19	14:39	13.23	13.33	0.10
11*	28 Oct 24	14:40	15:00	13.22	13.33	0.11
12*	28 Oct 24	15:01	15:21	13.19	13.32	0.13
Average				13.15	13.21	0.06
Confidence Coefficient (CC)						-
Relative Accuracy (Compared in Actual) (%)						0.06
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 Phalsanphisit

Manager
ทะเบียนเลขที่ 2-204-ก-0006

Assistant General Manager
ทะเบียนเลขที่ 2-204-ก-0003

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Manager
ทะเบียนเลขที่ 2-204-ก-0006

Assistant General Manager
ทะเบียนเลขที่ 2-204-ก-0003

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ภาคผนวก ค-4

ผลการตรวจวิเคราะห์คุณภาพน้ำ



Analysis / Test Report

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3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN



TESTING
No.0042
Lot ID: 2466262
Date Received : Jul 01, 2024
Date Reported : Jul 09, 2024
Report Number : 3048440-1

Page 1 of 2

Sample Number 2466262-1
Sampled Date Jul 01, 2024 2:04 PM
Sample Description Wastewater
Location ปอพักน้ำทิ้ง บ่อที่ 1 ขนาด 250 ลูกบาศก์เมตร (W1)
Date Analysis Commenced Jul 01, 2024
Condition of Sample Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	12	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	11	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	1	<1	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.05	0.12	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	32.7	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	2980	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong



Analysis / Test Report

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P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN



TESTING
No.0042
Lot ID: 2466262
Date Received : Jul 01, 2024
Date Reported : Jul 09, 2024
Report Number : 3048440-1

Page 2 of 2

Sample Number 2466262-1
Sampled Date Jul 01, 2024 2:04 PM
Sample Description Wastewater
Location ปอพักน้ำทิ้ง บ่อที่ 1 ขนาด 250 ลูกบาศก์เมตร (W1)
Date Analysis Commenced Jul 01, 2024
Condition of Sample Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	2.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	26	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and Industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Paramet Sattayakun ทะเบียนเลขที่ 7-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ 7-204-จ-0002

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Scientist (ร)
ทะเบียนเลขที่ 7-323-จ-9446

Senior Manager
ทะเบียนเลขที่ 7-323-จ-9442

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Scientist (ร)
ทะเบียนเลขที่ 7-323-จ-9446

Senior Manager
ทะเบียนเลขที่ 7-323-จ-9442

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P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN



TESTING
No.0009
Lot ID: 2466262
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3048440-2

Page 1 of 1

Sample Number 2466262-1
Sampled Date Jul 01, 2024 2:04 PM
Sample Description Wastewater
Location ปลวกน้ำทั้ง ปลอที่ 1 ขนาด 250 ลูกบาศก์เมตร (W1)
Date Analysis Commenced Jul 02, 2024
Condition of Sample Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.004	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Paramet Sattayakun ทะเบียนเลขที่ 7-323-9-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ 7-204-9-0002

Remark :
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P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN



TESTING
No.0009
Lot ID: 2466262
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3048440-3

Page 1 of 1

Sample Number 2466262-1
Sampled Date Jul 01, 2024 2:04 PM
Sample Description Wastewater
Location ปลวกน้ำทั้ง ปลอที่ 1 ขนาด 250 ลูกบาศก์เมตร (W1)
Date Analysis Commenced Jul 01, 2024
Condition of Sample Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	0.96	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	720	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Flow rate *	m3/s	-	-	0.001	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	6.64	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Paramet Sattayakun , Pattarapol Sawangjaitam

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Manager
ทะเบียนเลขที่ 7-204-9-0007

Assistant General Manager
ทะเบียนเลขที่ 7-204-9-0004

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Sawitree Naisiangiam
Manager

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Analysis / Test Report

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P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2493663
Date Received : Aug 16, 2024
Date Reported : Aug 23, 2024
Report Number : 3082966-1

Page 1 of 2

Sample Number 2493663-1
Sampled Date Aug 16, 2024 2:20 PM
Sample Description Wastewater
Location บ่อพักน้ำทิ้ง บ่อที่ 1 ขนาด 250 ลูกบาศก์เมตร (W1)
Date Analysis Commenced Aug 16, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	31	≤120	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	35	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	32	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	1	1	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.05	0.08	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CI (F)	Rayong
Temperature *	Degree C	-	-	32.2	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1900	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2493663
Date Received : Aug 16, 2024
Date Reported : Aug 23, 2024
Report Number : 3082966-1

Page 2 of 2

Sample Number 2493663-1
Sampled Date Aug 16, 2024 2:20 PM
Sample Description Wastewater
Location บ่อพักน้ำทิ้ง บ่อที่ 1 ขนาด 250 ลูกบาศก์เมตร (W1)
Date Analysis Commenced Aug 16, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	2.0	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	49	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ร-323-จ-0022 , Thanasoun Namakunna ทะเบียนเลขที่ ร-204-จ-0101

Remark :
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ทะเบียนเลขที่ ร-323-จ-0028

ทะเบียนเลขที่ ร-323-จ-0001

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ทะเบียนเลขที่ ร-323-จ-0028

ทะเบียนเลขที่ ร-323-จ-0001

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Analysis / Test Report

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P/O : GLOW-OM-22-103
Project Name :
Project Location: GEN



TESTING
No.0009
Lot ID: 2493663
Date Received : Aug 16, 2024
Date Reported : Aug 23, 2024
Report Number : 3082966-2

Page 1 of 1

Sample Number 2493663-1
Sampled Date Aug 16, 2024 2:20 PM
Sample Description Wastewater
Location ปลวกน้ำทั้ง ปลอที่ 1 ขนาด 250 ลูกบาศก์เมตร (W1)
Date Analysis Commenced Aug 17, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.007	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ 7-323-จ-0022 , Thanasoun Namakunna ทะเบียนเลขที่ 7-204-จ-0101

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Analysis / Test Report

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3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location: GEN



TESTING
No.0009
Lot ID: 2493663
Date Received : Aug 16, 2024
Date Reported : Aug 23, 2024
Report Number : 3082966-3

Page 1 of 1

Sample Number 2493663-1
Sampled Date Aug 16, 2024 2:20 PM
Sample Description Wastewater
Location ปลวกน้ำทั้ง ปลอที่ 1 ขนาด 250 ลูกบาศก์เมตร (W1)
Date Analysis Commenced Aug 16, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	5.14	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	176	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Flow rate *	m3/s	-	-	0.0004	No Standard	Flow meter, Analyzed by Client	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.77	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Ekkachai Tuntong , Thanasoun Namakunna

Remark :
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Manager
ทะเบียนเลขที่ 7-204-จ-0007

Assistant General Manager
ทะเบียนเลขที่ 7-204-จ-0004

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Savitree Naisrangnam
Manager

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN



TESTING
No.0042
Lot ID: 2498292
Date Received : Sep 09, 2024
Date Reported : Sep 16, 2024
Report Number : 3112437-1

Page 1 of 2

Sample Number 2498292-1
Sampled Date Sep 09, 2024 2:07 PM
Sample Description Wastewater
Location ปลอกฟ้าหึ่ง ปลอฟ้า 1 ขนาด 250 ลูกบาศก์เมตร (W1)
Date Analysis Commenced Sep 09, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	11	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	11	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	1	2	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	6.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.05	<0.05	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CI (F)	Rayong
Temperature *	Degree C	-	-	33.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1860	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN



TESTING
No.0042
Lot ID: 2498292
Date Received : Sep 09, 2024
Date Reported : Sep 16, 2024
Report Number : 3112437-1

Page 2 of 2

Sample Number 2498292-1
Sampled Date Sep 09, 2024 2:07 PM
Sample Description Wastewater
Location ปลอกฟ้าหึ่ง ปลอฟ้า 1 ขนาด 250 ลูกบาศก์เมตร (W1)
Date Analysis Commenced Sep 09, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	2.1	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	12	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, Industrial estate and Industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and Industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Sansoen Khuyokul ทะเบียนเลขที่ ร-323-ร-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ร-204-ร-0002

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN



TESTING
No.0009
Lot ID: 2498292
Date Received : Sep 09, 2024
Date Reported : Sep 16, 2024
Report Number : 3112437-2

Page 1 of 1

Sample Number 2498292-1
Sampled Date Sep 09, 2024 2:07 PM
Sample Description Wastewater
Location ปลวกน้ำทั้ง ปลวก 1 ขนาด 250 ลูกบาศก์เมตร (W1)
Date Analysis Commenced Sep 10, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.005	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ 3-323-3-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ 3-204-3-0002

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
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P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN



TESTING
No.0009
Lot ID: 2498292
Date Received : Sep 09, 2024
Date Reported : Sep 16, 2024
Report Number : 3112437-3

Page 1 of 1

Sample Number 2498292-1
Sampled Date Sep 09, 2024 2:07 PM
Sample Description Wastewater
Location ปลวกน้ำทั้ง ปลวก 1 ขนาด 250 ลูกบาศก์เมตร (W1)
Date Analysis Commenced Sep 09, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	0.97	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	637	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Flow rate *	m3/s	-	-	0.0002	No Standard	Flow meter, Analyzed by Client	Rayong
Nitrate as N *	mg/L	0.015	0.05	7.37	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Sansoen Khuiyoksui , Pattarapol Sawangjaitam

Remark :
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Sawitree Noisanglam
Manager

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Assistant General Manager
ทะเบียนเลขที่ 3-204-3-0004

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Analysis / Test Report

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P/O : GLOW-OM-22-103,310008076
Project Name :
Project Location : GEN



TESTING
No.0042
Lot ID: 24104735
Date Received : Oct 07, 2024
Date Reported : Oct 15, 2024
Report Number : 3137308-1

Page 1 of 2

Sample Number	24104735-1						
Sampled Date	Oct 07, 2024 2:10 PM						
Sample Description	Wastewater						
Location	ปล่อยน้ำทิ้ง บ่อที่ 1 ขนาด 250 ลูกบาศก์เมตร (W1)						
Date Analysis Commenced	Oct 07, 2024						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	53	≤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	60	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	56	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease *	mg/L	-	1	1	≤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		-	-	8.2	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	-	0.05	0.16	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	33.9	≤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	1050	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
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P/O : GLOW-OM-22-103,310008076
Project Name :
Project Location : GEN



TESTING
No.0042
Lot ID: 24104735
Date Received : Oct 07, 2024
Date Reported : Oct 15, 2024
Report Number : 3137308-1

Page 2 of 2

Sample Number	24104735-1						
Sampled Date	Oct 07, 2024 2:10 PM						
Sample Description	Wastewater						
Location	ปล่อยน้ำทิ้ง บ่อที่ 1 ขนาด 250 ลูกบาศก์เมตร (W1)						
Date Analysis Commenced	Oct 07, 2024						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	3.2	≤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	5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Chainusorn Lertnanthakunchal ทะเบียนเลขที่ ร-323-ร-0041 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ร-204-ร-0002

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Analysis / Test Report

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P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN



TESTING
No.0009
Lot ID: 24104735
Date Received : Oct 07, 2024
Date Reported : Oct 15, 2024
Report Number : 3137308-2

Page 1 of 1

Sample Number	24104735-1						
Sampled Date	Oct 07, 2024 2:10 PM						
Sample Description	Wastewater						
Location	ปลั๊กน้ำทิ้ง บ่อที่ 1 ขนาด 250 ลูกบาศก์เมตร (W1)						
Date Analysis Commenced	Oct 08, 2024						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.008	≤2.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ร-323-ก-0041 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ร-204-ก-0002

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Analysis / Test Report

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P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN



TESTING
No.0009
Lot ID: 24104735
Date Received : Oct 07, 2024
Date Reported : Oct 15, 2024
Report Number : 3137308-3

Page 1 of 1

Sample Number	24104735-1						
Sampled Date	Oct 07, 2024 2:10 PM						
Sample Description	Wastewater						
Location	ปลั๊กน้ำทิ้ง บ่อที่ 1 ขนาด 250 ลูกบาศก์เมตร (W1)						
Date Analysis Commenced	Oct 07, 2024						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	0.33	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	204	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (D)	Rayong
Flow rate *	m ³ /s			0.016	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	7.56	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Chainusorn Lertnanthakunchai , Pattarapol Sawangjaitam

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Section Head
ทะเบียนเลขที่ ร-204-ก-0008

Assistant General Manager
ทะเบียนเลขที่ ร-204-ก-0004

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Chanattagarn Imchom
Section Head

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Analysis / Test Report

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P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN



TESTING
No.0042
Lot ID: 24104736
Date Received : Nov 04, 2024
Date Reported : Nov 11, 2024
Report Number : 3161892-1

Page 1 of 2

Sample Number	24104736-1
Sampled Date	Nov 04, 2024 2:09 PM
Sample Description	Wastewater
Location	ปลอกน้ำทิ้ง บ่อที่ 1 ขนาด 250 ลูกบาศก์เมตร (W1)
Date Analysis Commenced	Nov 04, 2024
Condition of Sample	Contained in one amber glass bottle and four 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	4.9	≤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	42	≤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	39	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	36	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease *	mg/L	-	1	<1	≤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		-	-	7.5	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	-	0.05	0.16	≤1.0		Rayong
Temperature *	Degree C	-	-	31.1	≤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	1240	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN



TESTING
No.0042
Lot ID: 24104736
Date Received : Nov 04, 2024
Date Reported : Nov 11, 2024
Report Number : 3161892-1

Page 2 of 2

Sample Number	24104736-1
Sampled Date	Nov 04, 2024 2:09 PM
Sample Description	Wastewater
Location	ปลอกน้ำทิ้ง บ่อที่ 1 ขนาด 250 ลูกบาศก์เมตร (W1)
Date Analysis Commenced	Nov 04, 2024
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	3.6	≤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	11	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Effluent standard for factories, Industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ร-323-จ-0041 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ร-204-จ-0002

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

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ร-323-จ-0031

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

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Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ร-323-จ-0031

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

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P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location: GEN



TESTING
No.0009
Lot ID: 24104736
Date Received : Nov 04, 2024
Date Reported : Nov 11, 2024
Report Number : 3161892-2

Page 1 of 1

Sample Number	24104736-1						
Sampled Date	Nov 04, 2024 2:09 PM						
Sample Description	Wastewater						
Location	ปล่อยน้ำทิ้ง ปล่อง 1 ขนาด 250 ลูกบาศก์เมตร (W1)						
Date Analysis Commenced	Nov 05, 2024						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.004	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Chalusorn Lertnanthakunchai ทะเบียนเลขที่ ๖-323-๖-0041 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ๖-204-๖-0002

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P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location: GEN



TESTING
No.0009
Lot ID: 24104736
Date Received : Nov 04, 2024
Date Reported : Nov 11, 2024
Report Number : 3161892-3

Page 1 of 1

Sample Number	24104736-1						
Sampled Date	Nov 04, 2024 2:09 PM						
Sample Description	Wastewater						
Location	ปล่อยน้ำทิ้ง ปล่อง 1 ขนาด 250 ลูกบาศก์เมตร (W1)						
Date Analysis Commenced	Nov 04, 2024						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	0.56	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	175	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (D)	Rayong
Flow rate *	m3/s	-	-	0.053	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	9.65	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Chalusorn Lertnanthakunchai , Pattarapol Sawangjaitam

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Manager
ทะเบียนเลขที่ ๖-204-๖-0007

Assistant General Manager
ทะเบียนเลขที่ ๖-204-๖-0004

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Sawitree Naisangiam
Manager

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P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN



TESTING
No.0042
Lot ID: 24128793
Date Received : Dec 09, 2024
Date Reported : Dec 14, 2024
Report Number : 3193770-1

Page 1 of 2

Sample Number	24128793-1						
Sampled Date	Dec 09, 2024 2:58 PM						
Sample Description	Wastewater						
Location	ปล่อยทิ้งลงบ่อที่ 1 ขนาด 250 ลูกบาศก์เมตร (W1)						
Date Analysis Commenced	Dec 09, 2024						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	56	≤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	49	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	47	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease *	mg/L	-	1	1	≤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		-	-	7.9	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	-	0.05	0.12	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CI (F)	Rayong
Temperature *	Degree C	-	-	30.7	≤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	1430	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Pruchana Seena
Scientist (4)
ทะเบียนเลขที่ ร-323-ก-0028

Dr. Chanchon
Senior Manager
ทะเบียนเลขที่ ร-323-ก-0001

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P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN



TESTING
No.0042
Lot ID: 24128793
Date Received : Dec 09, 2024
Date Reported : Dec 14, 2024
Report Number : 3193770-1

Page 2 of 2

Sample Number	24128793-1						
Sampled Date	Dec 09, 2024 2:58 PM						
Sample Description	Wastewater						
Location	ปล่อยทิ้งลงบ่อที่ 1 ขนาด 250 ลูกบาศก์เมตร (W1)						
Date Analysis Commenced	Dec 09, 2024						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	3.1	≤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	27	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ร-323-ก-0023 , Samart Khumplee ทะเบียนเลขที่ ร-204-ก-0084

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Pruchana Seena
Scientist (4)
ทะเบียนเลขที่ ร-323-ก-0028

Dr. Chanchon
Senior Manager
ทะเบียนเลขที่ ร-323-ก-0001

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P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location: GEN



TESTING
No.0009
Lot ID: 24128793
Date Received : Dec 09, 2024
Date Reported : Dec 16, 2024
Report Number : 3193770-2

Page 1 of 1

Sample Number	24128793-1						
Sampled Date	Dec 09, 2024 2:58 PM						
Sample Description	Wastewater						
Location	ปล่อยน้ำทิ้ง บ่อที่ 1 ขนาด 250 ลูกบาศก์เมตร (W1)						
Date Analysis Commenced	Dec 10, 2024						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.02	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Phongthep Sitthiloh โทร 09-0023, Samart Khumplee โทร 09-0084

Remark :
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Project Location: GEN



TESTING
No.0009
Lot ID: 24128793
Date Received : Dec 09, 2024
Date Reported : Dec 16, 2024
Report Number : 3193770-3

Page 1 of 1

Sample Number	24128793-1						
Sampled Date	Dec 09, 2024 2:58 PM						
Sample Description	Wastewater						
Location	ปล่อยน้ำทิ้ง บ่อที่ 1 ขนาด 250 ลูกบาศก์เมตร (W1)						
Date Analysis Commenced	Dec 09, 2024						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	1.30	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	235	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (D)	Rayong
Flow rate *	m3/s	-	-	0.028	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	14.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Phongthep Sitthiloh , Samart Khumplee

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Sawitree Naisianglam
Manager

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P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location: GEN



TESTING
No.0042
Lot ID: 2475570
Date Received : Jul 15, 2024
Date Reported : Jul 23, 2024
Report Number : 3041670-1

Page 1 of 2

Sample Number	2475570-1						
Sampled Date	Jul 15, 2024 2:14 PM						
Sample Description	Wastewater						
Location	ปล่อยน้ำทิ้งบ่อที่ 2 ขนาด 14 ลูกบาศก์เมตร (W2)						
Date Analysis Commenced	Jul 15, 2024						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Oil & Grease *	mg/L	-	1	<1	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	28.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	110	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	<1.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

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P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location: GEN



TESTING
No.0042
Lot ID: 2475570
Date Received : Jul 15, 2024
Date Reported : Jul 23, 2024
Report Number : 3041670-1

Page 2 of 2

Sample Number	2475570-1						
Sampled Date	Jul 15, 2024 2:14 PM						
Sample Description	Wastewater						
Location	ปล่อยน้ำทิ้งบ่อที่ 2 ขนาด 14 ลูกบาศก์เมตร (W2)						
Date Analysis Commenced	Jul 15, 2024						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Guideline : Effluent standard for factories, Industrial estate and Industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and Industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Chalusorn Lertnathakunchai ทะเบียนเลขที่ ๖-323-๖-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ๖-204-๖-0002

Remark :

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

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN



TESTING
No.0009
Lot ID: 2475570
Date Received : Jul 15, 2024
Date Reported : Jul 23, 2024
Report Number : 3041670-2

Page 1 of 1

Sample Number 2475570-1
Sampled Date Jul 15, 2024 2:14 PM
Sample Description Wastewater
Location โรงไฟฟ้าฟีนอลที่ 2 ขนาด 14 ลูกบาศก์เมตร (W2)
Date Analysis Commenced Jul 16, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.003	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Guideline : Effluent standard for factories, industrial estate and Industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Chainusorn Lertnanthakunchai โทร:09-9461 , Pattarapol Sawangjalarn โทร:09-0002

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN



TESTING
No.0009
Lot ID: 2475570
Date Received : Jul 15, 2024
Date Reported : Jul 23, 2024
Report Number : 3041670-3

Page 1 of 1

Sample Number 2475570-1
Sampled Date Jul 15, 2024 2:14 PM
Sample Description Wastewater
Location โรงไฟฟ้าฟีนอลที่ 2 ขนาด 14 ลูกบาศก์เมตร (W2)
Date Analysis Commenced Jul 16, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	0.09	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
Nitrate as N *	mg/L	0.015	0.05	0.70	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

Guideline : Effluent standard for factories, industrial estate and Industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Chainusorn Lertnanthakunchai , Pattarapol Sawangjalarn

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.
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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN



TESTING
No.0042
Lot ID: 24104360
Date Received : Sep 16, 2024
Date Reported : Sep 23, 2024
Report Number : 3105663-1

Page 1 of 2

Sample Number 24104360-1
Sampled Date Sep 16, 2024 2:15 PM
Sample Description Wastewater
Location แปลงบำบัดน้ำที่ 2 ขนาด 14 ลูกบาศก์เมตร (W2)
Date Analysis Commenced Sep 16, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	25	≤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	11	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease *	mg/L	-	1	1	≤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	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	-	-	32.7	≤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	2500	≤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	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
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P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN



TESTING
No.0042
Lot ID: 24104360
Date Received : Sep 16, 2024
Date Reported : Sep 23, 2024
Report Number : 3105663-1

Page 2 of 2

Sample Number 24104360-1
Sampled Date Sep 16, 2024 2:15 PM
Sample Description Wastewater
Location แปลงบำบัดน้ำที่ 2 ขนาด 14 ลูกบาศก์เมตร (W2)
Date Analysis Commenced Sep 16, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	36	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Effluent standard for factories, Industrial estate and Industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Wanlop Hunchainaw ทนเบญจเดชสิทธิ์ ว-323-ก-0038 , Samart Khumphlee ทนเบญจเดชสิทธิ์ ว-204-ก-0084

Remark :

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

TESTING
No.0009
Lot ID: 24104360
Date Received : Sep 16, 2024
Date Reported : Sep 23, 2024
Report Number : 3105663-2

Page 1 of 1

Sample Number 24104360-1
Sampled Date Sep 16, 2024 2:15 PM
Sample Description Wastewater
Location ปล่อยน้ำทิ้งบ่อที่ 2 ขนาด 14 ลูกบาศก์เมตร (W2)
Date Analysis Commenced Sep 17, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.005	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Effluent standard for factories, Industrial estate and Industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and Industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Wanlop Hunchalaoow โทร.09-0038 , Samart Khumplilee โทร.09-0084

Remark :
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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
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P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

TESTING
No.0009
Lot ID: 24104360
Date Received : Sep 16, 2024
Date Reported : Sep 23, 2024
Report Number : 3105663-3

Page 1 of 1

Sample Number 24104360-1
Sampled Date Sep 16, 2024 2:15 PM
Sample Description Wastewater
Location ปล่อยน้ำทิ้งบ่อที่ 2 ขนาด 14 ลูกบาศก์เมตร (W2)
Date Analysis Commenced Sep 17, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	3.08	No Standard	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	9.91	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

Guideline : Effluent standard for factories, Industrial estate and Industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and Industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Wanlop Hunchalaoow , Samart Khumplilee

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Analysis / Test Report

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3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN



TESTING
No.0042
Lot ID: 24104735
Date Received : Oct 07, 2024
Date Reported : Oct 15, 2024
Report Number : 3137309-1

Page 1 of 2

Sample Number	24104735-2
Sampled Date	Oct 07, 2024 2:30 PM
Sample Description	Wastewater
Location	บ่อกักน้ำทิ้งบ่อที่ 2 ขนาด 14 ลูกบาศก์เมตร (W2)
Date Analysis Commenced	Oct 07, 2024
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤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	6	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	6	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease *	mg/L	-	1	2	≤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		-	-	8.6	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	-	-	29.9	≤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	65	≤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	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong

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Analysis / Test Report

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3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN



TESTING
No.0042
Lot ID: 24104735
Date Received : Oct 07, 2024
Date Reported : Oct 15, 2024
Report Number : 3137309-1

Page 2 of 2

Sample Number	24104735-2
Sampled Date	Oct 07, 2024 2:30 PM
Sample Description	Wastewater
Location	บ่อกักน้ำทิ้งบ่อที่ 2 ขนาด 14 ลูกบาศก์เมตร (W2)
Date Analysis Commenced	Oct 07, 2024
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and Industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and Industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Chainusorn Lertnathakunchai ทะเบียนเลขที่ ร-323-จ-0041 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ร-204-จ-0002

Remark :

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

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
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P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN



TESTING
No.0009
Lot ID: 24104735
Date Received : Oct 07, 2024
Date Reported : Oct 15, 2024
Report Number : 3137309-2

Page 1 of 1

Sample Number 24104735-2
Sampled Date Oct 07, 2024 2:30 PM
Sample Description Wastewater
Location โรงพักน้ำทิ้งบ่อที่ 2 ขนาด 14 ลูกบาศก์เมตร (W2)
Date Analysis Commenced Oct 08, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.003	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Chainusorn Lertnanthakunchai โทร 09-323-9-0041 , Pattarapol Sawangjaitam โทร 09-204-9-0002

Remark :

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P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN



TESTING
No.0009
Lot ID: 24104735
Date Received : Oct 07, 2024
Date Reported : Oct 15, 2024
Report Number : 3137309-3

Page 1 of 1

Sample Number 24104735-2
Sampled Date Oct 07, 2024 2:30 PM
Sample Description Wastewater
Location โรงพักน้ำทิ้งบ่อที่ 2 ขนาด 14 ลูกบาศก์เมตร (W2)
Date Analysis Commenced Oct 08, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	0.13	No Standard	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	0.70	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Chainusorn Lertnanthakunchai , Pattarapol Sawangjaitam

Remark :

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN



TESTING
No.0042
Lot ID: 24104736
Date Received : Nov 04, 2024
Date Reported : Nov 11, 2024
Report Number : 3161893-1

Page 1 of 2

Sample Number 24104736-2
Sampled Date Nov 04, 2024 2:23 PM
Sample Description Wastewater
Location บ่อกักน้ำทิ้งบ่อที่ 2 ขนาด 14 ลูกบาศก์เมตร (W2)
Date Analysis Commenced Nov 04, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤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	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	<5	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease *	mg/L	-	1	2	≤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	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	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	136	≤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	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN



TESTING
No.0042
Lot ID: 24104736
Date Received : Nov 04, 2024
Date Reported : Nov 11, 2024
Report Number : 3161893-1

Page 2 of 2

Sample Number 24104736-2
Sampled Date Nov 04, 2024 2:23 PM
Sample Description Wastewater
Location บ่อกักน้ำทิ้งบ่อที่ 2 ขนาด 14 ลูกบาศก์เมตร (W2)
Date Analysis Commenced Nov 04, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Effluent standard for factories, Industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Chainusorn Lertnanthakunchai ระบุณบ้นเลขที่ 3-323-3-0041 , Pattarapol Sawangjalatam ระบุณบ้นเลขที่ 3-204-3-0002

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

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN

TESTING
No.0009
Lot ID: **24104736**
Date Received : Nov 04, 2024
Date Reported : Nov 11, 2024
Report Number : 3161893-2

Page 1 of 1

Sample Number 24104736-2
Sampled Date Nov 04, 2024 2:23 PM
Sample Description Wastewater
Location ปล่อยน้ำทิ้งบ่อที่ 2 ขนาด 14 ลูกบาศก์เมตร (W2)
Date Analysis Commenced Nov 05, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.003	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Chainusorn Lertnanthakunchai โทร:09-0041-323, Pattarapol Sawangjalarn โทร:09-0002-204

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location : GEN

TESTING
No.0009
Lot ID: **24104736**
Date Received : Nov 04, 2024
Date Reported : Nov 11, 2024
Report Number : 3161893-3

Page 1 of 1

Sample Number 24104736-2
Sampled Date Nov 04, 2024 2:23 PM
Sample Description Wastewater
Location ปล่อยน้ำทิ้งบ่อที่ 2 ขนาด 14 ลูกบาศก์เมตร (W2)
Date Analysis Commenced Nov 05, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	0.13	No Standard	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	1.58	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Chainusorn Lertnanthakunchai , Pattarapol Sawangjalarn

Remark :
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P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location: GEN



TESTING
No.0042
Lot ID: 24128793
Date Received : Dec 09, 2024
Date Reported : Dec 14, 2024
Report Number : 3193771-1

Page 1 of 2

Sample Number 24128793-2
Sampled Date Dec 09, 2024 3:08 PM
Sample Description Wastewater
Location ปลอพักน้ำทิ้งบ่อที่ 2 ขนาด 14 ลูกบาศก์เมตร (W2)
Date Analysis Commenced Dec 09, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤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	7	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	6	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease *	mg/L	-	1	1	≤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		-	-	8.2	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	-	-	28.4	≤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	210	≤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	1.9	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong

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Analysis / Test Report

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3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location: GEN



TESTING
No.0042
Lot ID: 24128793
Date Received : Dec 09, 2024
Date Reported : Dec 14, 2024
Report Number : 3193771-1

Page 2 of 2

Sample Number 24128793-2
Sampled Date Dec 09, 2024 3:08 PM
Sample Description Wastewater
Location ปลอพักน้ำทิ้งบ่อที่ 2 ขนาด 14 ลูกบาศก์เมตร (W2)
Date Analysis Commenced Dec 09, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Effluent standard for factories, Industrial estate and Industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and Industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Phongthep Sithiloh ทะเบียนเลขที่ ร-323-ร-0023 , Samart Khumplhee ทะเบียนเลขที่ ร-204-ร-0084

Remark :

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location: GEN



TESTING
No.0009
Lot ID: 24128793
Date Received : Dec 09, 2024
Date Reported : Dec 16, 2024
Report Number : 3193771-2

Page 1 of 1

Sample Number 24128793-2
Sampled Date Dec 09, 2024 3:08 PM
Sample Description Wastewater
Location โรงไฟฟ้าพลังงานลม 2 ขนาด 14 ลูกบาศก์เมตร (W2)
Date Analysis Commenced Dec 10, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.004	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Phongthep Sitthiloh โทร 09-0023-3-323-3-0023 , Samart Khumphlee โทร 09-0023-3-204-3-0084

Remark :

- LOD : Limit of Detection
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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103,3100008076
Project Name :
Project Location: GEN



TESTING
No.0009
Lot ID: 24128793
Date Received : Dec 09, 2024
Date Reported : Dec 16, 2024
Report Number : 3193771-3

Page 1 of 1

Sample Number 24128793-2
Sampled Date Dec 09, 2024 3:08 PM
Sample Description Wastewater
Location โรงไฟฟ้าพลังงานลม 2 ขนาด 14 ลูกบาศก์เมตร (W2)
Date Analysis Commenced Dec 10, 2024
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	0.05	No Standard	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	2.26	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Phongthep Sitthiloh , Samart Khumphlee

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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ภาคผนวก ค-5

ระดับเสียงทั่วไป



Analysis / Test Report



TESTING
No.0042

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160224-1

Page 1 of 1

Sample Number 2483306-1
Parameter Noise (Leq 24 hrs.)
Location ริมรั้วด้านฟีดตะวันออกของโครงการ (N1) (GPS 47P 0733053, 1404315)
Measurement Date Oct 25 - Oct 26, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	67.4	81.9	66.4
12:00 PM - 01:00 PM	67.0	74.0	66.2
01:00 PM - 02:00 PM	67.6	76.1	66.5
02:00 PM - 03:00 PM	68.6	76.0	67.1
03:00 PM - 04:00 PM	68.9	87.3	68.3
04:00 PM - 05:00 PM	70.0	77.9	68.7
05:00 PM - 06:00 PM	69.0	73.9	68.8
06:00 PM - 07:00 PM	69.1	70.9	68.8
07:00 PM - 08:00 PM	68.9	73.7	68.1
08:00 PM - 09:00 PM	67.9	73.0	67.3
09:00 PM - 10:00 PM	69.4	73.6	68.3
10:00 PM - 11:00 PM	69.6	74.3	69.3
11:00 PM - 12:00 AM	69.9	75.8	69.4
12:00 AM - 01:00 AM	69.0	75.7	67.4
01:00 AM - 02:00 AM	68.3	78.5	67.2
02:00 AM - 03:00 AM	69.4	74.0	67.7
03:00 AM - 04:00 AM	69.6	73.4	69.3
04:00 AM - 05:00 AM	68.9	73.5	68.2
05:00 AM - 06:00 AM	68.8	74.6	68.2
06:00 AM - 07:00 AM	69.1	74.1	68.1
07:00 AM - 08:00 AM	69.7	72.2	69.2
08:00 AM - 09:00 AM	69.4	77.4	69.1
09:00 AM - 10:00 AM	69.1	75.4	68.6
10:00 AM - 11:00 AM	69.2	73.6	68.7

Leq Average 24 hrs. (dB(A)) 69.0
Lmax (dB(A)) 87.3
L90 (dB(A)) 68.2
Ldn (dB(A)) 75.6
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report



TESTING
No.0042

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160225-1

Page 1 of 1

Sample Number 2483306-2
Parameter Noise (Leq 24 hrs.)
Location ริมรั้วด้านฟีดตะวันออกของโครงการ (N1) (GPS 47P 0733053, 1404315)
Measurement Date Oct 26 - Oct 27, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	69.0	78.7	68.4
12:00 PM - 01:00 PM	68.8	71.7	68.3
01:00 PM - 02:00 PM	69.0	74.3	68.6
02:00 PM - 03:00 PM	69.0	81.2	68.5
03:00 PM - 04:00 PM	69.1	74.2	68.7
04:00 PM - 05:00 PM	69.4	73.7	69.0
05:00 PM - 06:00 PM	69.6	72.9	69.2
06:00 PM - 07:00 PM	69.3	74.2	68.9
07:00 PM - 08:00 PM	68.3	76.3	67.7
08:00 PM - 09:00 PM	68.7	73.5	68.0
09:00 PM - 10:00 PM	68.5	74.5	67.9
10:00 PM - 11:00 PM	69.5	74.9	69.2
11:00 PM - 12:00 AM	69.6	75.6	69.3
12:00 AM - 01:00 AM	69.6	73.3	69.3
01:00 AM - 02:00 AM	69.7	74.1	69.4
02:00 AM - 03:00 AM	69.6	73.4	69.3
03:00 AM - 04:00 AM	69.7	71.8	69.4
04:00 AM - 05:00 AM	69.7	72.0	69.4
05:00 AM - 06:00 AM	69.6	74.0	69.3
06:00 AM - 07:00 AM	68.9	73.6	67.8
07:00 AM - 08:00 AM	67.8	74.6	67.4
08:00 AM - 09:00 AM	67.5	75.1	67.1
09:00 AM - 10:00 AM	67.3	79.5	66.9
10:00 AM - 11:00 AM	67.0	74.1	66.5

Leq Average 24 hrs. (dB(A)) 69.0
Lmax (dB(A)) 81.2
L90 (dB(A)) 68.6
Ldn (dB(A)) 75.8
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160226-1

Page 1 of 1

Sample Number 2483306-3
Parameter Noise (Leq 24 hrs.)
Location บริเวณทิศตะวันออกของโครงการ (N1) (GPS 47P 0733053, 1404315)
Measurement Date Oct 27 - Oct 28, 2024
Measurement by Mongkon Phaiathip
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	67.1	78.5	66.5
12:00 PM - 01:00 PM	66.9	70.5	66.3
01:00 PM - 02:00 PM	66.4	71.2	66.0
02:00 PM - 03:00 PM	66.6	76.9	66.1
03:00 PM - 04:00 PM	66.5	74.4	66.1
04:00 PM - 05:00 PM	66.8	77.3	66.4
05:00 PM - 06:00 PM	67.0	75.9	66.5
06:00 PM - 07:00 PM	66.8	73.8	66.4
07:00 PM - 08:00 PM	67.1	70.3	66.7
08:00 PM - 09:00 PM	68.7	73.2	67.1
09:00 PM - 10:00 PM	68.6	77.2	67.3
10:00 PM - 11:00 PM	68.3	73.5	67.3
11:00 PM - 12:00 AM	68.0	71.8	67.3
12:00 AM - 01:00 AM	68.1	70.8	67.3
01:00 AM - 02:00 AM	68.3	72.7	67.3
02:00 AM - 03:00 AM	69.2	74.3	68.0
03:00 AM - 04:00 AM	68.3	71.3	67.5
04:00 AM - 05:00 AM	68.9	71.5	68.1
05:00 AM - 06:00 AM	69.1	74.4	68.4
06:00 AM - 07:00 AM	69.3	74.2	68.9
07:00 AM - 08:00 AM	68.3	76.3	67.7
08:00 AM - 09:00 AM	69.3	71.1	69.0
09:00 AM - 10:00 AM	69.9	78.6	69.3
10:00 AM - 11:00 AM	67.8	78.3	66.9

Leq Average 24 hrs. (dB(A))

68.1

Lmax (dB(A))

78.6

L90 (dB(A))

67.3

Ldn (dB(A))

74.9

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160227-1

Page 1 of 1

Sample Number 2483306-4
Parameter Noise (Leq 24 hrs.)
Location บริเวณทิศตะวันออกของโครงการ (N1) (GPS 47P 0733053, 1404315)
Measurement Date Oct 28 - Oct 29, 2024
Measurement by Mongkon Phaiathip
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	68.1	78.5	66.8
12:00 PM - 01:00 PM	69.1	73.3	68.7
01:00 PM - 02:00 PM	69.1	79.7	68.7
02:00 PM - 03:00 PM	69.1	78.7	68.7
03:00 PM - 04:00 PM	68.8	80.9	68.0
04:00 PM - 05:00 PM	68.0	73.7	67.4
05:00 PM - 06:00 PM	68.5	73.7	67.7
06:00 PM - 07:00 PM	68.2	77.4	67.5
07:00 PM - 08:00 PM	68.2	74.0	67.5
08:00 PM - 09:00 PM	68.0	76.1	67.4
09:00 PM - 10:00 PM	68.0	73.9	67.4
10:00 PM - 11:00 PM	68.8	77.9	67.8
11:00 PM - 12:00 AM	69.0	72.2	68.7
12:00 AM - 01:00 AM	69.0	74.7	68.7
01:00 AM - 02:00 AM	69.0	73.9	68.8
02:00 AM - 03:00 AM	69.1	70.9	68.8
03:00 AM - 04:00 AM	69.1	73.9	68.8
04:00 AM - 05:00 AM	69.4	71.5	69.0
05:00 AM - 06:00 AM	69.6	75.0	69.0
06:00 AM - 07:00 AM	69.3	71.1	69.0
07:00 AM - 08:00 AM	68.9	72.6	68.6
08:00 AM - 09:00 AM	68.4	76.0	67.9
09:00 AM - 10:00 AM	68.5	82.6	67.8
10:00 AM - 11:00 AM	68.7	78.5	67.8

Leq Average 24 hrs. (dB(A))

68.8

Lmax (dB(A))

82.6

L90 (dB(A))

68.0

Ldn (dB(A))

75.5

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160228-1

Page 1 of 1

Sample Number 2483306-5
Parameter Noise (Leq 24 hrs.)
Location ริมรั้วด้านทิศตะวันออกของโครงการ (N1) (GPS 47P 0733053, 1404315)
Measurement Date Oct 29 - Oct 30, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	67.4	74.5	66.5
12:00 PM - 01:00 PM	67.5	74.0	66.8
01:00 PM - 02:00 PM	68.6	80.8	67.1
02:00 PM - 03:00 PM	67.8	87.5	66.7
03:00 PM - 04:00 PM	67.7	91.1	66.8
04:00 PM - 05:00 PM	67.8	77.0	67.0
05:00 PM - 06:00 PM	67.8	79.4	67.1
06:00 PM - 07:00 PM	67.9	77.3	67.3
07:00 PM - 08:00 PM	68.0	73.4	67.4
08:00 PM - 09:00 PM	68.8	76.3	67.7
09:00 PM - 10:00 PM	68.9	75.6	68.6
10:00 PM - 11:00 PM	68.9	76.4	68.6
11:00 PM - 12:00 AM	68.5	75.3	67.4
12:00 AM - 01:00 AM	67.8	73.2	67.2
01:00 AM - 02:00 AM	67.9	73.0	67.3
02:00 AM - 03:00 AM	68.9	73.4	67.8
03:00 AM - 04:00 AM	69.0	73.9	68.8
04:00 AM - 05:00 AM	69.1	70.9	68.8
05:00 AM - 06:00 AM	69.2	77.0	68.3
06:00 AM - 07:00 AM	69.7	78.1	69.0
07:00 AM - 08:00 AM	70.0	73.6	69.6
08:00 AM - 09:00 AM	69.5	76.1	68.6
09:00 AM - 10:00 AM	68.7	78.5	67.6
10:00 AM - 11:00 AM	68.3	77.4	67.4

Leq Average 24 hrs. (dB(A)) 68.5
Lmax (dB(A)) 91.1
L90 (dB(A)) 67.4
Ldn (dB(A)) 75.2
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160229-1

Page 1 of 1

Sample Number 2483306-6
Parameter Noise (Leq 24 hrs.)
Location ริมรั้วด้านทิศตะวันออกของโครงการ (N1) (GPS 47P 0733053, 1404315)
Measurement Date Oct 30 - Oct 31, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	68.1	78.0	67.1
12:00 PM - 01:00 PM	68.8	74.1	68.4
01:00 PM - 02:00 PM	69.2	79.5	68.3
02:00 PM - 03:00 PM	67.6	76.2	66.9
03:00 PM - 04:00 PM	67.6	77.7	66.9
04:00 PM - 05:00 PM	67.9	75.5	67.2
05:00 PM - 06:00 PM	68.1	74.6	67.5
06:00 PM - 07:00 PM	68.2	71.7	67.6
07:00 PM - 08:00 PM	68.3	71.5	67.7
08:00 PM - 09:00 PM	68.7	73.2	67.9
09:00 PM - 10:00 PM	69.2	72.9	68.9
10:00 PM - 11:00 PM	69.3	71.7	68.9
11:00 PM - 12:00 AM	69.1	72.1	68.7
12:00 AM - 01:00 AM	68.1	71.4	67.6
01:00 AM - 02:00 AM	68.1	71.7	67.6
02:00 AM - 03:00 AM	69.1	72.9	68.8
03:00 AM - 04:00 AM	69.1	71.8	68.8
04:00 AM - 05:00 AM	69.1	71.8	68.8
05:00 AM - 06:00 AM	69.2	71.7	68.9
06:00 AM - 07:00 AM	69.2	71.7	68.8
07:00 AM - 08:00 AM	68.9	76.5	68.6
08:00 AM - 09:00 AM	68.8	74.7	68.3
09:00 AM - 10:00 AM	69.1	83.9	68.5
10:00 AM - 11:00 AM	68.8	82.6	68.1

Leq Average 24 hrs. (dB(A)) 68.7
Lmax (dB(A)) 83.9
L90 (dB(A)) 68.3
Ldn (dB(A)) 75.3
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 310008076
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160230-1

Page 1 of 1

Sample Number 2483306-7
Parameter Noise (Leq 24 hrs.)
Location รันคว้านหินตะกอนของโครงการ (N1) (GPS 47P 0733053, 1404315)
Measurement Date Oct 31 - Nov 01, 2024
Measurement by Mongkon Phalaithip
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	67.7	75.2	66.7
12:00 PM - 01:00 PM	67.5	70.2	66.9
01:00 PM - 02:00 PM	68.3	73.2	67.3
02:00 PM - 03:00 PM	69.6	79.3	68.7
03:00 PM - 04:00 PM	69.9	77.4	69.4
04:00 PM - 05:00 PM	69.4	77.7	69.0
05:00 PM - 06:00 PM	69.3	76.2	69.0
06:00 PM - 07:00 PM	69.2	72.5	68.9
07:00 PM - 08:00 PM	69.3	72.4	69.0
08:00 PM - 09:00 PM	69.3	82.4	69.0
09:00 PM - 10:00 PM	69.3	70.7	69.0
10:00 PM - 11:00 PM	69.3	75.1	69.0
11:00 PM - 12:00 AM	68.4	73.6	67.5
12:00 AM - 01:00 AM	68.1	72.2	67.5
01:00 AM - 02:00 AM	68.0	70.3	67.5
02:00 AM - 03:00 AM	68.2	70.5	67.6
03:00 AM - 04:00 AM	68.2	71.1	67.6
04:00 AM - 05:00 AM	68.3	70.6	67.8
05:00 AM - 06:00 AM	69.1	75.5	67.9
06:00 AM - 07:00 AM	68.5	72.1	67.6
07:00 AM - 08:00 AM	68.4	71.3	67.5
08:00 AM - 09:00 AM	67.7	79.0	66.8
09:00 AM - 10:00 AM	68.3	70.6	67.8
10:00 AM - 11:00 AM	69.6	79.3	68.7
Leq Average 24 hrs. (dB(A))	68.8		
Lmax (dB(A))		82.4	
L90 (dB(A))			67.8
Ldn (dB(A))	75.0		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 310008076
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160231-1

Page 1 of 1

Sample Number 2483306-8
Parameter Noise (Leq 24 hrs.)
Location รันคว้านหินตะกอนของโครงการ (N2) (GPS 47P0733030, 1404237)
Measurement Date Oct 25 - Oct 26, 2024
Measurement by Mongkon Phalaithip
Sound Level meter Serial No. 296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.5	83.2	61.3
12:00 PM - 01:00 PM	62.4	73.9	61.2
01:00 PM - 02:00 PM	62.2	70.6	61.1
02:00 PM - 03:00 PM	62.4	79.7	61.2
03:00 PM - 04:00 PM	62.8	83.5	61.6
04:00 PM - 05:00 PM	62.6	67.0	61.7
05:00 PM - 06:00 PM	64.7	75.4	62.2
06:00 PM - 07:00 PM	65.6	69.8	63.4
07:00 PM - 08:00 PM	64.2	72.6	63.4
08:00 PM - 09:00 PM	65.5	70.3	63.1
09:00 PM - 10:00 PM	63.0	66.2	61.9
10:00 PM - 11:00 PM	62.6	64.9	61.7
11:00 PM - 12:00 AM	61.8	64.2	61.0
12:00 AM - 01:00 AM	62.1	65.8	61.3
01:00 AM - 02:00 AM	62.0	66.1	61.3
02:00 AM - 03:00 AM	62.5	65.9	61.4
03:00 AM - 04:00 AM	65.2	70.5	62.3
04:00 AM - 05:00 AM	62.5	65.6	61.7
05:00 AM - 06:00 AM	62.0	65.7	61.1
06:00 AM - 07:00 AM	62.1	65.3	61.1
07:00 AM - 08:00 AM	62.3	78.9	61.0
08:00 AM - 09:00 AM	63.0	70.5	61.3
09:00 AM - 10:00 AM	63.0	74.1	61.3
10:00 AM - 11:00 AM	63.2	79.0	61.8
Leq Average 24 hrs. (dB(A))	63.2		
Lmax (dB(A))		83.5	
L90 (dB(A))			61.3
Ldn (dB(A))	69.2		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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19583-21/ EMAIL

S:\Reports_Air Noise rpt (2:37PM)

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

19583-21/ EMAIL

S:\Reports_Air Noise rpt (2:38PM)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160232-1

Page 1 of 1

Sample Number 2483306-9
Parameter Noise (Leq 24 hrs.)
Location บริเวณด้านทิศใต้ของโครงการ (N2) (GPS 47P0733030, 1404237)
Measurement Date Oct 26 - Oct 27, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.2	70.9	61.7
12:00 PM - 01:00 PM	63.3	72.0	61.7
01:00 PM - 02:00 PM	62.9	71.9	61.5
02:00 PM - 03:00 PM	62.1	75.6	61.1
03:00 PM - 04:00 PM	61.8	66.0	60.9
04:00 PM - 05:00 PM	62.7	72.1	61.5
05:00 PM - 06:00 PM	61.9	69.8	61.0
06:00 PM - 07:00 PM	62.1	82.8	61.1
07:00 PM - 08:00 PM	62.2	67.0	61.4
08:00 PM - 09:00 PM	62.0	65.8	61.3
09:00 PM - 10:00 PM	63.0	66.0	62.2
10:00 PM - 11:00 PM	62.6	65.6	61.6
11:00 PM - 12:00 AM	62.4	66.6	61.6
12:00 AM - 01:00 AM	62.2	67.9	61.4
01:00 AM - 02:00 AM	62.2	65.4	61.4
02:00 AM - 03:00 AM	62.2	65.7	61.4
03:00 AM - 04:00 AM	61.9	65.2	60.9
04:00 AM - 05:00 AM	62.5	66.4	61.3
05:00 AM - 06:00 AM	62.9	67.7	61.8
06:00 AM - 07:00 AM	62.8	67.7	61.7
07:00 AM - 08:00 AM	63.2	76.5	62.2
08:00 AM - 09:00 AM	63.3	83.3	62.1
09:00 AM - 10:00 AM	62.7	68.7	61.5
10:00 AM - 11:00 AM	62.6	79.2	61.4

Leq Average 24 hrs. (dB(A)) 62.6
Lmax (dB(A)) 83.3
L90 (dB(A)) 61.4
Ldn (dB(A)) 68.9
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160233-1

Page 1 of 1

Sample Number 2483306-10
Parameter Noise (Leq 24 hrs.)
Location บริเวณด้านทิศใต้ของโครงการ (N2) (GPS 47P0733030, 1404237)
Measurement Date Oct 27 - Oct 28, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	62.5	86.6	61.3
12:00 PM - 01:00 PM	62.5	79.7	60.8
01:00 PM - 02:00 PM	62.0	66.6	60.6
02:00 PM - 03:00 PM	61.9	70.6	60.6
03:00 PM - 04:00 PM	61.9	68.3	60.7
04:00 PM - 05:00 PM	62.2	74.2	60.7
05:00 PM - 06:00 PM	62.4	67.7	61.0
06:00 PM - 07:00 PM	62.1	67.4	60.9
07:00 PM - 08:00 PM	62.5	76.6	61.6
08:00 PM - 09:00 PM	62.5	66.3	61.6
09:00 PM - 10:00 PM	63.0	65.7	62.1
10:00 PM - 11:00 PM	62.4	65.8	61.3
11:00 PM - 12:00 AM	61.9	65.9	61.0
12:00 AM - 01:00 AM	61.4	65.3	60.2
01:00 AM - 02:00 AM	61.7	65.6	60.3
02:00 AM - 03:00 AM	62.3	72.5	60.5
03:00 AM - 04:00 AM	61.7	74.0	59.9
04:00 AM - 05:00 AM	61.7	71.0	59.8
05:00 AM - 06:00 AM	60.1	67.0	59.2
06:00 AM - 07:00 AM	62.6	69.0	59.5
07:00 AM - 08:00 AM	60.9	73.0	59.8
08:00 AM - 09:00 AM	60.6	72.1	59.9
09:00 AM - 10:00 AM	61.5	90.4	59.6
10:00 AM - 11:00 AM	61.2	74.4	59.5

Leq Average 24 hrs. (dB(A)) 61.9
Lmax (dB(A)) 90.4
L90 (dB(A)) 60.6
Ldn (dB(A)) 68.2
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report



TESTING
No.0042

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160234-1

Page 1 of 1

Sample Number 2483306-11
Parameter Noise (Leq 24 hrs.)
Location ริมรั้วด้านทิศใต้ของโครงการ (N2) (GPS 47P0733030, 1404237)
Measurement Date Oct 28 - Oct 29, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	61.1	70.0	59.7
12:00 PM - 01:00 PM	62.2	82.0	61.1
01:00 PM - 02:00 PM	62.3	76.6	60.9
02:00 PM - 03:00 PM	62.0	74.4	60.6
03:00 PM - 04:00 PM	61.6	79.0	60.4
04:00 PM - 05:00 PM	61.5	71.8	60.3
05:00 PM - 06:00 PM	61.5	73.3	60.3
06:00 PM - 07:00 PM	61.5	75.4	60.2
07:00 PM - 08:00 PM	61.3	74.4	60.2
08:00 PM - 09:00 PM	61.8	66.0	60.8
09:00 PM - 10:00 PM	61.6	68.7	60.7
10:00 PM - 11:00 PM	60.9	64.9	59.8
11:00 PM - 12:00 AM	60.7	64.9	59.5
12:00 AM - 01:00 AM	59.9	63.8	59.2
01:00 AM - 02:00 AM	60.0	63.7	59.3
02:00 AM - 03:00 AM	60.5	64.2	59.5
03:00 AM - 04:00 AM	60.3	64.5	59.3
04:00 AM - 05:00 AM	60.5	63.3	59.5
05:00 AM - 06:00 AM	60.5	63.9	59.6
06:00 AM - 07:00 AM	60.0	64.0	59.2
07:00 AM - 08:00 AM	60.3	66.4	59.2
08:00 AM - 09:00 AM	61.0	82.9	59.6
09:00 AM - 10:00 AM	61.1	77.5	59.1
10:00 AM - 11:00 AM	62.5	73.4	61.3

Leq Average 24 hrs. (dB(A)) 61.2
Lmax (dB(A)) 82.9
L90 (dB(A)) 59.7
Ldn (dB(A)) 67.0
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report



TESTING
No.0042

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160235-1

Page 1 of 1

Sample Number 2483306-12
Parameter Noise (Leq 24 hrs.)
Location ริมรั้วด้านทิศใต้ของโครงการ (N2) (GPS 47P0733030, 1404237)
Measurement Date Oct 29 - Oct 30, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	62.0	73.6	61.1
12:00 PM - 01:00 PM	61.5	76.3	60.6
01:00 PM - 02:00 PM	61.7	82.4	60.4
02:00 PM - 03:00 PM	61.7	77.8	60.6
03:00 PM - 04:00 PM	61.7	72.7	60.5
04:00 PM - 05:00 PM	61.7	74.9	60.7
05:00 PM - 06:00 PM	61.6	86.6	60.5
06:00 PM - 07:00 PM	61.4	80.8	60.4
07:00 PM - 08:00 PM	61.0	74.0	60.0
08:00 PM - 09:00 PM	62.0	65.8	60.1
09:00 PM - 10:00 PM	63.1	67.9	62.2
10:00 PM - 11:00 PM	62.1	65.5	61.3
11:00 PM - 12:00 AM	62.2	64.8	61.3
12:00 AM - 01:00 AM	62.2	66.3	61.3
01:00 AM - 02:00 AM	62.1	66.1	61.1
02:00 AM - 03:00 AM	61.3	75.1	59.6
03:00 AM - 04:00 AM	63.2	75.0	61.2
04:00 AM - 05:00 AM	67.3	87.2	60.3
05:00 AM - 06:00 AM	60.5	69.2	59.7
06:00 AM - 07:00 AM	61.0	70.0	59.6
07:00 AM - 08:00 AM	61.3	69.6	59.9
08:00 AM - 09:00 AM	60.6	73.9	59.5
09:00 AM - 10:00 AM	62.3	83.1	60.2
10:00 AM - 11:00 AM	61.2	68.1	60.0

Leq Average 24 hrs. (dB(A)) 62.2
Lmax (dB(A)) 87.2
L90 (dB(A)) 60.4
Ldn (dB(A)) 69.2
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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19583-21/ EMAIL

S:\Reports_Air Noise.rpt (2:39PM)

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

RIGHT SOLUTIONS RIGHT PARTNER

19583-21/ EMAIL

S:\Reports_Air Noise.rpt (2:40PM)



Analysis / Test Report



TESTING
No.0042

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160236-1

Page 1 of 1

Sample Number 2483306-13
Parameter Noise (Leq 24 hrs.)
Location ริมรั้วด้านทิศใต้ของโครงการ (N2) (GPS 47P0733030, 1404237)
Measurement Date Oct 30 - Oct 31, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	62.6	81.6	60.2
12:00 PM - 01:00 PM	61.9	72.5	60.7
01:00 PM - 02:00 PM	62.6	75.7	61.0
02:00 PM - 03:00 PM	62.5	79.1	61.2
03:00 PM - 04:00 PM	62.5	75.4	61.3
04:00 PM - 05:00 PM	62.6	83.8	61.2
05:00 PM - 06:00 PM	61.1	71.6	60.0
06:00 PM - 07:00 PM	61.1	80.3	59.9
07:00 PM - 08:00 PM	60.7	64.2	59.9
08:00 PM - 09:00 PM	61.3	66.9	60.4
09:00 PM - 10:00 PM	60.7	67.3	59.7
10:00 PM - 11:00 PM	60.9	64.4	59.8
11:00 PM - 12:00 AM	60.8	75.6	59.8
12:00 AM - 01:00 AM	60.0	66.2	59.3
01:00 AM - 02:00 AM	60.2	63.3	59.4
02:00 AM - 03:00 AM	59.7	63.0	59.2
03:00 AM - 04:00 AM	59.7	62.8	59.1
04:00 AM - 05:00 AM	60.2	65.3	59.5
05:00 AM - 06:00 AM	60.1	62.9	59.4
06:00 AM - 07:00 AM	60.6	65.9	59.5
07:00 AM - 08:00 AM	62.5	77.8	61.4
08:00 AM - 09:00 AM	62.8	83.0	61.5
09:00 AM - 10:00 AM	62.8	89.5	61.3
10:00 AM - 11:00 AM	63.2	75.0	61.2

Leq Average 24 hrs. (dB(A)) 61.5
Lmax (dB(A)) 89.5
L90 (dB(A)) 59.9
Ldn (dB(A)) 67.0
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report



TESTING
No.0042

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160237-1

Page 1 of 1

Sample Number 2483306-14
Parameter Noise (Leq 24 hrs.)
Location ริมรั้วด้านทิศใต้ของโครงการ (N2) (GPS 47P0733030, 1404237)
Measurement Date Oct 31 - Nov 01, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	62.4	72.0	60.9
12:00 PM - 01:00 PM	61.8	72.3	60.2
01:00 PM - 02:00 PM	64.7	89.4	61.2
02:00 PM - 03:00 PM	64.0	74.6	60.8
03:00 PM - 04:00 PM	62.4	79.4	60.9
04:00 PM - 05:00 PM	62.2	81.6	60.9
05:00 PM - 06:00 PM	62.8	69.4	61.7
06:00 PM - 07:00 PM	63.1	79.0	62.2
07:00 PM - 08:00 PM	62.9	66.8	62.1
08:00 PM - 09:00 PM	63.5	66.6	62.6
09:00 PM - 10:00 PM	62.9	66.6	62.0
10:00 PM - 11:00 PM	63.0	65.8	62.1
11:00 PM - 12:00 AM	63.1	66.7	62.2
12:00 AM - 01:00 AM	62.8	66.6	61.5
01:00 AM - 02:00 AM	61.9	65.5	60.6
02:00 AM - 03:00 AM	61.9	65.1	60.8
03:00 AM - 04:00 AM	62.6	68.8	61.7
04:00 AM - 05:00 AM	62.1	68.1	60.8
05:00 AM - 06:00 AM	61.5	65.1	60.3
06:00 AM - 07:00 AM	61.1	66.9	59.9
07:00 AM - 08:00 AM	61.5	73.9	60.0
08:00 AM - 09:00 AM	62.1	73.7	60.5
09:00 AM - 10:00 AM	60.6	73.9	59.5
10:00 AM - 11:00 AM	61.7	82.4	60.4

Leq Average 24 hrs. (dB(A)) 62.5
Lmax (dB(A)) 89.4
L90 (dB(A)) 60.9
Ldn (dB(A)) 68.7
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160238-1

Page 1 of 1

Sample Number 2483306-15
Parameter Noise (Leq 24 hrs.)
Location ริมรั้วด้านทิศตะวันตกของโครงการ (N3) (GPS 47P 0732887, 1404312)
Measurement Date Oct 25 - Oct 26, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	61.7	71.9	61.2
12:00 PM - 01:00 PM	61.4	69.4	61.1
01:00 PM - 02:00 PM	61.9	69.8	61.3
02:00 PM - 03:00 PM	62.4	75.2	61.9
03:00 PM - 04:00 PM	62.1	74.9	61.5
04:00 PM - 05:00 PM	62.4	72.9	61.7
05:00 PM - 06:00 PM	62.7	70.4	62.2
06:00 PM - 07:00 PM	62.9	72.2	62.4
07:00 PM - 08:00 PM	62.6	72.9	62.1
08:00 PM - 09:00 PM	63.0	70.0	62.5
09:00 PM - 10:00 PM	63.4	64.7	62.8
10:00 PM - 11:00 PM	63.6	64.7	63.3
11:00 PM - 12:00 AM	63.4	64.4	62.9
12:00 AM - 01:00 AM	62.8	64.7	62.5
01:00 AM - 02:00 AM	62.6	64.5	62.4
02:00 AM - 03:00 AM	63.1	70.2	62.7
03:00 AM - 04:00 AM	63.3	65.2	62.8
04:00 AM - 05:00 AM	64.3	65.7	63.9
05:00 AM - 06:00 AM	64.3	70.0	63.9
06:00 AM - 07:00 AM	64.4	69.8	64.2
07:00 AM - 08:00 AM	64.5	76.4	64.1
08:00 AM - 09:00 AM	64.3	72.1	64.0
09:00 AM - 10:00 AM	65.1	84.0	64.1
10:00 AM - 11:00 AM	64.3	68.7	64.0
Leq Average 24 hrs. (dB(A))	63.3		
Lmax (dB(A))		84.0	
L90 (dB(A))			62.5
Ldn (dB(A))	69.9		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160239-1

Page 1 of 1

Sample Number 2483306-16
Parameter Noise (Leq 24 hrs.)
Location ริมรั้วด้านทิศตะวันตกของโครงการ (N3) (GPS 47P 0732887, 1404312)
Measurement Date Oct 26 - Oct 27, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	64.1	72.6	63.8
12:00 PM - 01:00 PM	63.8	68.6	63.5
01:00 PM - 02:00 PM	63.7	71.4	63.3
02:00 PM - 03:00 PM	63.5	68.4	63.2
03:00 PM - 04:00 PM	63.7	75.8	63.3
04:00 PM - 05:00 PM	63.6	70.1	63.3
05:00 PM - 06:00 PM	63.9	70.7	63.5
06:00 PM - 07:00 PM	63.9	72.2	63.5
07:00 PM - 08:00 PM	63.9	69.0	63.7
08:00 PM - 09:00 PM	64.1	65.7	63.8
09:00 PM - 10:00 PM	64.2	65.8	64.0
10:00 PM - 11:00 PM	64.1	67.7	63.9
11:00 PM - 12:00 AM	64.1	66.1	63.8
12:00 AM - 01:00 AM	64.2	65.9	63.9
01:00 AM - 02:00 AM	64.1	65.5	63.9
02:00 AM - 03:00 AM	64.2	65.2	64.0
03:00 AM - 04:00 AM	64.2	65.8	64.0
04:00 AM - 05:00 AM	64.3	65.3	64.0
05:00 AM - 06:00 AM	64.2	66.2	64.0
06:00 AM - 07:00 AM	64.2	66.4	64.0
07:00 AM - 08:00 AM	64.3	75.9	63.9
08:00 AM - 09:00 AM	64.1	69.1	63.9
09:00 AM - 10:00 AM	64.2	81.2	63.7
10:00 AM - 11:00 AM	63.8	69.2	63.5
Leq Average 24 hrs. (dB(A))	64.0		
Lmax (dB(A))		81.2	
L90 (dB(A))			63.8
Ldn (dB(A))	70.6		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report



TESTING
No.0042

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160240-1

Page 1 of 1

Sample Number 2483306-17
Parameter Noise (Leq 24 hrs.)
Location ริมรั้วด้านทิศตะวันตกของโครงการ (N3) (GPS 47P 0732887, 1404312)
Measurement Date Oct 27 - Oct 28, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.2	71.1	62.5
12:00 PM - 01:00 PM	62.0	70.4	61.7
01:00 PM - 02:00 PM	61.6	65.8	61.4
02:00 PM - 03:00 PM	61.7	74.5	61.4
03:00 PM - 04:00 PM	61.7	68.1	61.4
04:00 PM - 05:00 PM	62.0	64.4	61.7
05:00 PM - 06:00 PM	62.0	67.2	61.7
06:00 PM - 07:00 PM	61.8	70.7	61.6
07:00 PM - 08:00 PM	61.8	75.9	61.4
08:00 PM - 09:00 PM	62.0	64.9	61.7
09:00 PM - 10:00 PM	62.0	63.9	61.7
10:00 PM - 11:00 PM	62.1	69.5	61.7
11:00 PM - 12:00 AM	62.2	63.8	61.9
12:00 AM - 01:00 AM	62.2	63.4	61.9
01:00 AM - 02:00 AM	61.9	63.4	61.6
02:00 AM - 03:00 AM	62.3	64.4	61.9
03:00 AM - 04:00 AM	62.2	65.7	61.8
04:00 AM - 05:00 AM	62.5	70.8	62.1
05:00 AM - 06:00 AM	63.5	69.6	62.2
06:00 AM - 07:00 AM	63.8	69.8	62.3
07:00 AM - 08:00 AM	62.7	74.2	62.2
08:00 AM - 09:00 AM	62.5	77.0	62.1
09:00 AM - 10:00 AM	62.4	75.7	61.6
10:00 AM - 11:00 AM	61.9	74.7	61.4

Leq Average 24 hrs. (dB(A)) 62.3
Lmax (dB(A)) 77.0
L90 (dB(A)) 61.7
Ldn (dB(A)) 68.9
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report



TESTING
No.0042

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160241-1

Page 1 of 1

Sample Number 2483306-18
Parameter Noise (Leq 24 hrs.)
Location ริมรั้วด้านทิศตะวันตกของโครงการ (N3) (GPS 47P 0732887, 1404312)
Measurement Date Oct 28 - Oct 29, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	61.5	80.9	61.1
12:00 PM - 01:00 PM	61.9	69.9	61.4
01:00 PM - 02:00 PM	62.3	70.1	61.8
02:00 PM - 03:00 PM	62.5	72.6	61.7
03:00 PM - 04:00 PM	61.6	79.6	61.3
04:00 PM - 05:00 PM	61.9	77.7	61.4
05:00 PM - 06:00 PM	61.8	68.1	61.3
06:00 PM - 07:00 PM	62.2	74.5	61.7
07:00 PM - 08:00 PM	62.2	74.3	61.9
08:00 PM - 09:00 PM	62.2	77.0	61.7
09:00 PM - 10:00 PM	62.0	63.9	61.8
10:00 PM - 11:00 PM	62.3	65.0	62.0
11:00 PM - 12:00 AM	62.5	65.5	62.1
12:00 AM - 01:00 AM	62.5	63.8	62.2
01:00 AM - 02:00 AM	62.4	63.9	62.0
02:00 AM - 03:00 AM	62.4	63.9	62.2
03:00 AM - 04:00 AM	62.2	63.7	61.9
04:00 AM - 05:00 AM	62.3	64.9	61.9
05:00 AM - 06:00 AM	62.3	72.5	61.8
06:00 AM - 07:00 AM	62.0	70.0	61.7
07:00 AM - 08:00 AM	62.5	70.4	61.9
08:00 AM - 09:00 AM	63.0	75.8	62.5
09:00 AM - 10:00 AM	62.7	75.5	62.1
10:00 AM - 11:00 AM	63.0	73.5	62.3

Leq Average 24 hrs. (dB(A)) 62.3
Lmax (dB(A)) 80.9
L90 (dB(A)) 61.8
Ldn (dB(A)) 68.7
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report



TESTING
No.0042

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 310008076
Project Name :
Project Location : GEN

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160242-1

Page 1 of 1

Sample Number 2483306-19
Parameter Noise (Leq 24 hrs.)
Location บริเวณพื้นที่ตะวันตกของโครงการ (N3) (GPS 47P 0732887, 1404312)
Measurement Date Oct 29 - Oct 30, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.3	71.0	62.8
12:00 PM - 01:00 PM	63.5	72.8	63.0
01:00 PM - 02:00 PM	63.2	73.5	62.7
02:00 PM - 03:00 PM	63.6	70.6	63.1
03:00 PM - 04:00 PM	64.0	65.3	63.4
04:00 PM - 05:00 PM	64.2	65.3	63.9
05:00 PM - 06:00 PM	64.0	65.0	63.5
06:00 PM - 07:00 PM	63.4	65.3	63.1
07:00 PM - 08:00 PM	63.2	65.1	63.0
08:00 PM - 09:00 PM	63.7	70.8	63.3
09:00 PM - 10:00 PM	63.9	65.8	63.4
10:00 PM - 11:00 PM	64.9	66.3	64.5
11:00 PM - 12:00 AM	64.9	70.6	64.5
12:00 AM - 01:00 AM	65.0	70.4	64.8
01:00 AM - 02:00 AM	65.1	77.0	64.7
02:00 AM - 03:00 AM	64.9	72.7	64.6
03:00 AM - 04:00 AM	65.7	84.6	64.7
04:00 AM - 05:00 AM	64.9	69.3	64.6
05:00 AM - 06:00 AM	64.7	73.2	64.4
06:00 AM - 07:00 AM	64.4	69.2	64.1
07:00 AM - 08:00 AM	64.3	72.0	63.9
08:00 AM - 09:00 AM	64.1	69.0	63.8
09:00 AM - 10:00 AM	64.3	76.4	63.9
10:00 AM - 11:00 AM	64.2	70.7	63.9

Leq Average 24 hrs. (dB(A)) 64.3
Lmax (dB(A)) 84.6
L90 (dB(A)) 63.9
Ldn (dB(A)) 71.2
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report



TESTING
No.0042

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 310008076
Project Name :
Project Location : GEN

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160243-1

Page 1 of 1

Sample Number 2483306-20
Parameter Noise (Leq 24 hrs.)
Location บริเวณพื้นที่ตะวันตกของโครงการ (N3) (GPS 47P 0732887, 1404312)
Measurement Date Oct 30 - Oct 31, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	64.5	71.3	64.1
12:00 PM - 01:00 PM	64.5	72.8	64.1
01:00 PM - 02:00 PM	64.5	69.6	64.3
02:00 PM - 03:00 PM	64.7	66.3	64.4
03:00 PM - 04:00 PM	64.8	66.4	64.6
04:00 PM - 05:00 PM	64.7	68.3	64.5
05:00 PM - 06:00 PM	64.7	66.7	64.4
06:00 PM - 07:00 PM	64.8	66.5	64.5
07:00 PM - 08:00 PM	64.7	66.1	64.5
08:00 PM - 09:00 PM	64.8	65.8	64.6
09:00 PM - 10:00 PM	64.8	66.4	64.6
10:00 PM - 11:00 PM	64.9	65.9	64.6
11:00 PM - 12:00 AM	64.8	66.8	64.6
12:00 AM - 01:00 AM	64.8	67.0	64.6
01:00 AM - 02:00 AM	64.9	76.5	64.5
02:00 AM - 03:00 AM	64.7	69.7	64.5
03:00 AM - 04:00 AM	64.8	81.8	64.3
04:00 AM - 05:00 AM	64.4	69.8	64.1
05:00 AM - 06:00 AM	63.8	71.7	63.1
06:00 AM - 07:00 AM	62.6	71.0	62.3
07:00 AM - 08:00 AM	62.2	66.4	62.0
08:00 AM - 09:00 AM	62.3	75.1	62.0
09:00 AM - 10:00 AM	62.3	68.7	62.0
10:00 AM - 11:00 AM	62.6	65.0	62.3

Leq Average 24 hrs. (dB(A)) 64.3
Lmax (dB(A)) 81.8
L90 (dB(A)) 64.4
Ldn (dB(A)) 70.8
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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19583-21/ EMAIL

S:\Reports_Air Noise.rpt (2:47PM)

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand PHONE +66 0 3304 8555 FAX +66 0 3304 8556
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19583-21/ EMAIL

S:\Reports_Air Noise.rpt (2:47PM)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160244-1

Page 1 of 1

Sample Number 2483306-21
Parameter Noise (Leq 24 hrs.)
Location บริเวณด้านทิศตะวันออกของโครงการ (N3) (GPS 47P 0732887, 1404312)
Measurement Date Oct 31 - Nov 01, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 873109

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	62.6	67.8	62.3
12:00 PM - 01:00 PM	62.4	71.3	62.2
01:00 PM - 02:00 PM	62.4	76.5	62.0
02:00 PM - 03:00 PM	62.6	65.5	62.3
03:00 PM - 04:00 PM	62.6	64.5	62.3
04:00 PM - 05:00 PM	62.7	70.1	62.3
05:00 PM - 06:00 PM	62.8	64.4	62.5
06:00 PM - 07:00 PM	62.8	64.0	62.5
07:00 PM - 08:00 PM	62.5	64.0	62.2
08:00 PM - 09:00 PM	62.9	65.0	62.5
09:00 PM - 10:00 PM	62.8	66.3	62.4
10:00 PM - 11:00 PM	63.1	71.4	62.7
11:00 PM - 12:00 AM	64.1	70.2	62.8
12:00 AM - 01:00 AM	64.4	70.4	62.9
01:00 AM - 02:00 AM	63.3	74.8	62.8
02:00 AM - 03:00 AM	63.1	77.6	62.7
03:00 AM - 04:00 AM	63.0	76.3	62.2
04:00 AM - 05:00 AM	62.5	75.3	62.0
05:00 AM - 06:00 AM	62.1	81.5	61.7
06:00 AM - 07:00 AM	62.5	70.5	62.0
07:00 AM - 08:00 AM	62.9	70.7	62.4
08:00 AM - 09:00 AM	63.1	73.2	62.3
09:00 AM - 10:00 AM	62.2	80.2	61.9
10:00 AM - 11:00 AM	62.5	78.3	62.0

Leq Average 24 hrs. (dB(A)) 62.9
Lmax (dB(A)) 81.5
L90 (dB(A)) 62.3
Ldn (dB(A)) 69.5
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160245-1

Page 1 of 1

Sample Number 2483306-22
Parameter Noise (Leq 24 hrs.)
Location บริเวณด้านทิศเหนือของโครงการ (N4) (GPS 47P 0733026, 1404458)
Measurement Date Oct 25 - Oct 26, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	69.4	75.6	68.7
12:00 PM - 01:00 PM	68.7	73.4	68.3
01:00 PM - 02:00 PM	69.0	86.4	68.4
02:00 PM - 03:00 PM	69.1	82.6	68.8
03:00 PM - 04:00 PM	69.7	78.1	68.1
04:00 PM - 05:00 PM	69.3	78.3	67.9
05:00 PM - 06:00 PM	69.8	79.7	69.1
06:00 PM - 07:00 PM	69.1	79.7	68.8
07:00 PM - 08:00 PM	69.4	75.7	68.7
08:00 PM - 09:00 PM	70.0	78.0	69.3
09:00 PM - 10:00 PM	69.2	76.6	68.8
10:00 PM - 11:00 PM	69.7	86.5	68.9
11:00 PM - 12:00 AM	69.3	72.4	68.9
12:00 AM - 01:00 AM	69.4	82.7	68.8
01:00 AM - 02:00 AM	69.2	83.1	68.7
02:00 AM - 03:00 AM	69.7	78.2	68.8
03:00 AM - 04:00 AM	69.9	86.6	69.0
04:00 AM - 05:00 AM	69.3	78.2	68.9
05:00 AM - 06:00 AM	69.5	83.4	68.9
06:00 AM - 07:00 AM	69.5	74.8	69.0
07:00 AM - 08:00 AM	70.0	78.3	68.8
08:00 AM - 09:00 AM	69.2	72.2	68.8
09:00 AM - 10:00 AM	68.9	79.6	68.5
10:00 AM - 11:00 AM	69.2	86.0	68.8

Leq Average 24 hrs. (dB(A)) 69.4
Lmax (dB(A)) 86.6
L90 (dB(A)) 68.8
Ldn (dB(A)) 75.9
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report



TESTING
No.0042

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 310008076
Project Name :
Project Location : GEN

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160246-1

Page 1 of 1

Sample Number 2483306-23
Parameter Noise (Leq 24 hrs.)
Location บริเวณด้านทิศเหนือของโครงการ (N4) (GPS 47P 0733026, 1404458)
Measurement Date Oct 26 - Oct 27, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	69.1	80.0	68.8
12:00 PM - 01:00 PM	69.0	72.4	68.7
01:00 PM - 02:00 PM	68.9	73.3	68.6
02:00 PM - 03:00 PM	68.9	76.8	68.5
03:00 PM - 04:00 PM	68.7	76.6	68.3
04:00 PM - 05:00 PM	68.8	82.9	68.4
05:00 PM - 06:00 PM	68.8	74.3	68.5
06:00 PM - 07:00 PM	68.9	79.6	68.5
07:00 PM - 08:00 PM	68.9	86.4	68.4
08:00 PM - 09:00 PM	68.9	79.4	68.5
09:00 PM - 10:00 PM	68.9	81.9	68.6
10:00 PM - 11:00 PM	69.1	83.6	68.7
11:00 PM - 12:00 AM	69.2	83.6	68.8
12:00 AM - 01:00 AM	69.0	78.6	68.3
01:00 AM - 02:00 AM	69.0	79.3	68.6
02:00 AM - 03:00 AM	68.9	77.4	68.6
03:00 AM - 04:00 AM	69.3	75.9	69.0
04:00 AM - 05:00 AM	69.4	77.7	69.0
05:00 AM - 06:00 AM	69.4	79.5	69.0
06:00 AM - 07:00 AM	69.1	81.6	68.9
07:00 AM - 08:00 AM	69.1	79.7	68.8
08:00 AM - 09:00 AM	69.0	84.4	68.8
09:00 AM - 10:00 AM	68.9	84.2	68.6
10:00 AM - 11:00 AM	69.0	86.3	68.6

Leq Average 24 hrs. (dB(A)) 69.0
Lmax (dB(A)) 86.4
L90 (dB(A)) 68.6
Ldn (dB(A)) 75.5
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report



TESTING
No.0042

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 310008076
Project Name :
Project Location : GEN

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160247-1

Page 1 of 1

Sample Number 2483306-24
Parameter Noise (Leq 24 hrs.)
Location บริเวณด้านทิศเหนือของโครงการ (N4) (GPS 47P 0733026, 1404458)
Measurement Date Oct 27 - Oct 28, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	68.9	71.9	68.6
12:00 PM - 01:00 PM	69.0	72.4	68.6
01:00 PM - 02:00 PM	68.9	74.7	68.6
02:00 PM - 03:00 PM	68.6	72.4	68.3
03:00 PM - 04:00 PM	68.6	79.7	68.3
04:00 PM - 05:00 PM	68.9	78.3	68.6
05:00 PM - 06:00 PM	69.0	80.4	68.7
06:00 PM - 07:00 PM	69.2	83.5	68.8
07:00 PM - 08:00 PM	69.3	76.4	68.9
08:00 PM - 09:00 PM	69.2	86.3	68.8
09:00 PM - 10:00 PM	69.1	79.4	68.6
10:00 PM - 11:00 PM	69.1	80.5	68.7
11:00 PM - 12:00 AM	69.0	77.0	68.5
12:00 AM - 01:00 AM	69.1	77.3	68.6
01:00 AM - 02:00 AM	69.0	79.2	68.6
02:00 AM - 03:00 AM	69.1	76.0	68.8
03:00 AM - 04:00 AM	69.1	82.6	68.8
04:00 AM - 05:00 AM	69.1	86.5	68.6
05:00 AM - 06:00 AM	69.5	72.9	69.1
06:00 AM - 07:00 AM	69.8	72.8	69.5
07:00 AM - 08:00 AM	69.8	73.0	69.4
08:00 AM - 09:00 AM	69.6	78.1	69.3
09:00 AM - 10:00 AM	69.7	72.6	69.5
10:00 AM - 11:00 AM	69.8	86.7	69.4

Leq Average 24 hrs. (dB(A)) 69.2
Lmax (dB(A)) 86.7
L90 (dB(A)) 68.7
Ldn (dB(A)) 75.6
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report



TESTING
No.0042

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160248-1

Page 1 of 1

Sample Number 2483306-25
Parameter Noise (Leq 24 hrs.)
Location บริเวณพื้นที่เหนือของโครงการ (N4) (GPS 47P 0733026, 1404458)
Measurement Date Oct 28 - Oct 29, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	68.7	72.2	68.4
12:00 PM - 01:00 PM	69.3	78.5	68.9
01:00 PM - 02:00 PM	69.3	76.8	68.9
02:00 PM - 03:00 PM	69.5	84.2	68.4
03:00 PM - 04:00 PM	68.8	73.3	68.4
04:00 PM - 05:00 PM	69.1	73.4	68.8
05:00 PM - 06:00 PM	69.1	86.4	68.6
06:00 PM - 07:00 PM	69.3	78.3	67.9
07:00 PM - 08:00 PM	68.7	72.1	68.4
08:00 PM - 09:00 PM	69.1	80.6	68.8
09:00 PM - 10:00 PM	69.0	72.6	68.7
10:00 PM - 11:00 PM	69.0	72.3	68.7
11:00 PM - 12:00 AM	68.8	72.4	68.5
12:00 AM - 01:00 AM	69.0	72.1	68.7
01:00 AM - 02:00 AM	68.9	72.3	68.6
02:00 AM - 03:00 AM	68.9	83.3	68.6
03:00 AM - 04:00 AM	68.9	72.3	68.6
04:00 AM - 05:00 AM	69.3	72.4	68.9
05:00 AM - 06:00 AM	69.6	72.7	69.0
06:00 AM - 07:00 AM	69.4	72.4	69.0
07:00 AM - 08:00 AM	68.9	77.4	68.6
08:00 AM - 09:00 AM	69.2	72.4	68.8
09:00 AM - 10:00 AM	69.1	73.4	68.7
10:00 AM - 11:00 AM	69.7	78.0	68.9

Leq Average 24 hrs. (dB(A)) 69.1
Lmax (dB(A)) 86.4
L90 (dB(A)) 68.7
Ldn (dB(A)) 75.5
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report



TESTING
No.0042

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100008076
Project Name :
Project Location : GEN

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160249-1

Page 1 of 1

Sample Number 2483306-26
Parameter Noise (Leq 24 hrs.)
Location บริเวณพื้นที่เหนือของโครงการ (N4) (GPS 47P 0733026, 1404458)
Measurement Date Oct 29 - Oct 30, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	69.2	77.4	68.1
12:00 PM - 01:00 PM	68.9	83.0	68.3
01:00 PM - 02:00 PM	68.9	78.2	68.1
02:00 PM - 03:00 PM	68.9	81.0	68.2
03:00 PM - 04:00 PM	68.2	77.4	67.8
04:00 PM - 05:00 PM	68.4	79.9	68.0
05:00 PM - 06:00 PM	68.9	77.3	68.5
06:00 PM - 07:00 PM	68.8	77.7	68.5
07:00 PM - 08:00 PM	68.8	78.6	68.5
08:00 PM - 09:00 PM	68.9	74.6	68.5
09:00 PM - 10:00 PM	69.0	86.7	68.4
10:00 PM - 11:00 PM	68.7	79.1	68.3
11:00 PM - 12:00 AM	68.8	77.1	68.2
12:00 AM - 01:00 AM	69.1	80.3	68.5
01:00 AM - 02:00 AM	69.2	82.3	68.6
02:00 AM - 03:00 AM	69.0	79.7	68.5
03:00 AM - 04:00 AM	69.1	79.7	68.8
04:00 AM - 05:00 AM	69.4	75.7	68.7
05:00 AM - 06:00 AM	70.0	78.0	69.3
06:00 AM - 07:00 AM	69.2	76.6	68.8
07:00 AM - 08:00 AM	69.7	86.5	68.9
08:00 AM - 09:00 AM	69.3	72.4	68.9
09:00 AM - 10:00 AM	69.4	82.7	68.8
10:00 AM - 11:00 AM	69.2	83.1	68.7

Leq Average 24 hrs. (dB(A)) 69.1
Lmax (dB(A)) 86.7
L90 (dB(A)) 68.5
Ldn (dB(A)) 75.6
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 310008076
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160250-1

Page 1 of 1

Sample Number 2483306-27
Parameter Noise (Leq 24 hrs.)
Location บริเวณด้านทิศเหนือของโครงการ (N4) (GPS 47P 0733026, 1404458)
Measurement Date Oct 30 - Oct 31, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	69.7	72.6	69.5
12:00 PM - 01:00 PM	69.5	73.2	69.2
01:00 PM - 02:00 PM	69.3	74.6	68.9
02:00 PM - 03:00 PM	69.2	75.5	68.8
03:00 PM - 04:00 PM	69.6	86.6	69.0
04:00 PM - 05:00 PM	69.4	72.8	69.0
05:00 PM - 06:00 PM	69.6	72.3	69.1
06:00 PM - 07:00 PM	69.8	74.0	69.1
07:00 PM - 08:00 PM	69.5	74.5	69.0
08:00 PM - 09:00 PM	69.9	76.0	69.3
09:00 PM - 10:00 PM	69.8	72.5	69.5
10:00 PM - 11:00 PM	69.8	74.5	69.4
11:00 PM - 12:00 AM	69.7	74.7	69.1
12:00 AM - 01:00 AM	69.9	86.8	69.2
01:00 AM - 02:00 AM	69.8	74.5	69.3
02:00 AM - 03:00 AM	69.8	72.8	69.5
03:00 AM - 04:00 AM	69.4	73.7	69.0
04:00 AM - 05:00 AM	69.3	75.0	68.9
05:00 AM - 06:00 AM	68.9	72.9	68.6
06:00 AM - 07:00 AM	69.3	73.8	68.9
07:00 AM - 08:00 AM	69.2	74.0	68.7
08:00 AM - 09:00 AM	69.2	72.5	68.8
09:00 AM - 10:00 AM	69.3	78.5	69.0
10:00 AM - 11:00 AM	69.1	86.7	68.6
Leq Average 24 hrs. (dB(A))	69.5		
Lmax (dB(A))		86.8	
L90 (dB(A))			69.0
Ldn (dB(A))	76.0		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 310008076
Project Name :
Project Location : GEN



TESTING
No.0042

Lot ID: 2483306
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160251-1

Page 1 of 1

Sample Number 2483306-28
Parameter Noise (Leq 24 hrs.)
Location บริเวณด้านทิศเหนือของโครงการ (N4) (GPS 47P 0733026, 1404458)
Measurement Date Oct 31 - Nov 01, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	69.3	72.9	68.4
12:00 PM - 01:00 PM	69.2	72.5	68.8
01:00 PM - 02:00 PM	69.4	79.8	69.0
02:00 PM - 03:00 PM	69.3	72.4	68.9
03:00 PM - 04:00 PM	69.7	74.5	69.4
04:00 PM - 05:00 PM	70.0	87.1	69.7
05:00 PM - 06:00 PM	69.9	73.0	69.6
06:00 PM - 07:00 PM	69.8	72.8	69.5
07:00 PM - 08:00 PM	69.8	73.0	69.4
08:00 PM - 09:00 PM	69.6	78.1	69.3
09:00 PM - 10:00 PM	69.7	72.6	69.5
10:00 PM - 11:00 PM	69.8	86.7	69.4
11:00 PM - 12:00 AM	69.3	73.0	69.0
12:00 AM - 01:00 AM	69.1	72.3	68.7
01:00 AM - 02:00 AM	68.9	72.1	68.6
02:00 AM - 03:00 AM	69.2	77.4	68.1
03:00 AM - 04:00 AM	68.9	83.0	68.3
04:00 AM - 05:00 AM	69.4	72.6	69.1
05:00 AM - 06:00 AM	69.6	83.6	69.2
06:00 AM - 07:00 AM	69.5	72.6	69.2
07:00 AM - 08:00 AM	69.4	72.3	69.1
08:00 AM - 09:00 AM	69.2	72.2	68.8
09:00 AM - 10:00 AM	68.9	79.6	68.5
10:00 AM - 11:00 AM	68.9	86.4	68.4
Leq Average 24 hrs. (dB(A))	69.4		
Lmax (dB(A))		87.1	
L90 (dB(A))			69.0
Ldn (dB(A))	75.7		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483305
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160148-1

Page 1 of 1

Sample Number : 2483305-8
Parameter : Noise (Leq 24 hrs.)
Location : ศูนย์ข่าววิทยาศาสตร์และวิศวกรรมศาสตร์ (NS) (GPS 47P 0732020, 1408176)
Measurement Date : Oct 25 - Oct 26, 2024
Measurement by : Mongkon Phalathip
Sound Level meter : Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	50.4	72.4	47.6
12:00 PM - 01:00 PM	50.8	65.4	48.0
01:00 PM - 02:00 PM	50.1	66.2	48.0
02:00 PM - 03:00 PM	50.6	65.2	48.2
03:00 PM - 04:00 PM	51.6	66.3	49.1
04:00 PM - 05:00 PM	52.0	67.7	49.6
05:00 PM - 06:00 PM	52.2	68.8	50.0
06:00 PM - 07:00 PM	51.8	67.3	50.5
07:00 PM - 08:00 PM	51.9	60.4	50.8
08:00 PM - 09:00 PM	52.5	58.3	50.9
09:00 PM - 10:00 PM	52.5	62.5	51.3
10:00 PM - 11:00 PM	51.9	58.5	50.8
11:00 PM - 12:00 AM	51.9	60.6	50.5
12:00 AM - 01:00 AM	51.5	58.5	50.6
01:00 AM - 02:00 AM	52.3	62.6	50.9
02:00 AM - 03:00 AM	51.6	57.3	50.6
03:00 AM - 04:00 AM	51.3	57.5	50.2
04:00 AM - 05:00 AM	51.9	59.7	50.5
05:00 AM - 06:00 AM	52.7	66.0	50.2
06:00 AM - 07:00 AM	51.5	66.0	49.3
07:00 AM - 08:00 AM	50.8	61.9	48.9
08:00 AM - 09:00 AM	51.1	59.6	48.8
09:00 AM - 10:00 AM	50.1	61.0	48.4
10:00 AM - 11:00 AM	49.7	63.4	47.3

Leq Average 24 hrs. (dB(A))

51.5

Lmax (dB(A))

72.4

L90 (dB(A))

50.0

Ldn (dB(A))

58.2

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483305
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160149-1

Page 1 of 1

Sample Number : 2483305-9
Parameter : Noise (Leq 24 hrs.)
Location : ศูนย์ข่าววิทยาศาสตร์และวิศวกรรมศาสตร์ (NS) (GPS 47P 0732020, 1408176)
Measurement Date : Oct 26 - Oct 27, 2024
Measurement by : Mongkon Phalathip
Sound Level meter : Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	49.0	59.0	47.1
12:00 PM - 01:00 PM	49.4	62.8	47.1
01:00 PM - 02:00 PM	48.7	63.2	47.0
02:00 PM - 03:00 PM	49.4	63.1	47.2
03:00 PM - 04:00 PM	49.9	63.4	47.8
04:00 PM - 05:00 PM	52.8	83.1	48.6
05:00 PM - 06:00 PM	51.8	67.8	49.4
06:00 PM - 07:00 PM	51.7	65.5	49.5
07:00 PM - 08:00 PM	51.6	59.5	50.0
08:00 PM - 09:00 PM	50.7	56.8	49.7
09:00 PM - 10:00 PM	51.6	59.2	49.9
10:00 PM - 11:00 PM	51.7	57.9	50.1
11:00 PM - 12:00 AM	51.2	58.1	49.6
12:00 AM - 01:00 AM	50.4	58.6	49.2
01:00 AM - 02:00 AM	50.6	58.8	49.0
02:00 AM - 03:00 AM	50.4	57.4	49.2
03:00 AM - 04:00 AM	51.1	57.0	49.3
04:00 AM - 05:00 AM	51.5	66.8	49.5
05:00 AM - 06:00 AM	51.6	67.3	49.6
06:00 AM - 07:00 AM	51.3	61.7	48.8
07:00 AM - 08:00 AM	51.1	76.5	47.7
08:00 AM - 09:00 AM	50.0	65.8	47.4
09:00 AM - 10:00 AM	48.1	64.2	42.6
10:00 AM - 11:00 AM	48.7	66.9	46.1

Leq Average 24 hrs. (dB(A))

50.8

Lmax (dB(A))

83.1

L90 (dB(A))

49.0

Ldn (dB(A))

57.4

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483305
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160150-1

Page 1 of 1

Sample Number 2483305-10
Parameter Noise (Leq 24 hrs.)
Location ศูนย์อำนวยการบริหารและวิทยาศาสตร์สิ่งแวดล้อม (N5) (GPS 47P 0732020, 1408176)
Measurement Date Oct 27 - Oct 28, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	49.3	60.2	46.4
12:00 PM - 01:00 PM	49.7	60.3	46.5
01:00 PM - 02:00 PM	48.7	65.6	46.5
02:00 PM - 03:00 PM	51.1	80.6	46.5
03:00 PM - 04:00 PM	50.3	71.7	47.1
04:00 PM - 05:00 PM	50.9	63.2	47.8
05:00 PM - 06:00 PM	53.5	62.1	51.8
06:00 PM - 07:00 PM	53.7	67.2	50.0
07:00 PM - 08:00 PM	52.2	69.0	49.2
08:00 PM - 09:00 PM	50.3	58.8	49.0
09:00 PM - 10:00 PM	50.9	58.1	49.2
10:00 PM - 11:00 PM	50.1	61.0	48.5
11:00 PM - 12:00 AM	50.7	71.2	48.4
12:00 AM - 01:00 AM	49.8	56.5	48.4
01:00 AM - 02:00 AM	49.8	59.8	47.7
02:00 AM - 03:00 AM	51.2	59.5	48.4
03:00 AM - 04:00 AM	51.7	60.5	49.0
04:00 AM - 05:00 AM	52.1	69.2	49.1
05:00 AM - 06:00 AM	55.4	62.3	53.8
06:00 AM - 07:00 AM	54.6	77.0	50.9
07:00 AM - 08:00 AM	54.1	80.2	49.4
08:00 AM - 09:00 AM	53.4	86.5	48.8
09:00 AM - 10:00 AM	49.8	70.8	46.0
10:00 AM - 11:00 AM	51.0	64.7	47.9

Leq Average 24 hrs. (dB(A)) 51.8
Lmax (dB(A)) 86.5
L90 (dB(A)) 48.4
Ldn (dB(A)) 58.5
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483305
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160151-1

Page 1 of 1

Sample Number 2483305-11
Parameter Noise (Leq 24 hrs.)
Location ศูนย์อำนวยการบริหารและวิทยาศาสตร์สิ่งแวดล้อม (N5) (GPS 47P 0732020, 1408176)
Measurement Date Oct 28 - Oct 29, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	51.6	67.6	49.3
12:00 PM - 01:00 PM	53.2	63.8	50.7
01:00 PM - 02:00 PM	52.2	62.9	50.4
02:00 PM - 03:00 PM	51.3	60.4	49.3
03:00 PM - 04:00 PM	52.8	65.2	50.4
04:00 PM - 05:00 PM	54.4	65.9	51.9
05:00 PM - 06:00 PM	53.7	63.7	52.1
06:00 PM - 07:00 PM	53.0	65.1	51.9
07:00 PM - 08:00 PM	53.7	67.6	51.5
08:00 PM - 09:00 PM	52.6	74.6	51.3
09:00 PM - 10:00 PM	53.3	63.7	51.6
10:00 PM - 11:00 PM	53.9	65.7	52.7
11:00 PM - 12:00 AM	54.5	63.3	53.2
12:00 AM - 01:00 AM	55.5	58.7	54.1
01:00 AM - 02:00 AM	54.4	57.9	53.0
02:00 AM - 03:00 AM	52.8	59.3	51.2
03:00 AM - 04:00 AM	53.8	60.0	52.0
04:00 AM - 05:00 AM	54.7	67.5	52.2
05:00 AM - 06:00 AM	52.5	65.7	50.8
06:00 AM - 07:00 AM	53.3	75.8	48.7
07:00 AM - 08:00 AM	50.6	70.0	47.5
08:00 AM - 09:00 AM	49.1	66.1	46.2
09:00 AM - 10:00 AM	49.3	63.3	43.5
10:00 AM - 11:00 AM	49.4	64.2	46.9

Leq Average 24 hrs. (dB(A)) 53.0
Lmax (dB(A)) 75.8
L90 (dB(A)) 51.2
Ldn (dB(A)) 60.2
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

www.alsglobal.com

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19583-21/ EMAIL

S:\Reports_Air Noise.rpt (1:44PM)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483305
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160152-1

Page 1 of 1

Sample Number 2483305-12
Parameter Noise (Leq 24 hrs.)
Location ศูนย์อำนวยการบริหารและเวชศาสตร์สิ่งแวดล้อม (NS) (GPS 47P 0732020, 1408176)
Measurement Date Oct 29 - Oct 30, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	50.4	62.7	47.6
12:00 PM - 01:00 PM	51.6	63.3	48.2
01:00 PM - 02:00 PM	52.1	67.4	48.8
02:00 PM - 03:00 PM	51.7	62.6	49.3
03:00 PM - 04:00 PM	51.8	67.1	49.5
04:00 PM - 05:00 PM	52.8	75.7	49.7
05:00 PM - 06:00 PM	51.4	66.6	50.0
06:00 PM - 07:00 PM	51.1	67.2	49.6
07:00 PM - 08:00 PM	51.9	65.9	50.3
08:00 PM - 09:00 PM	51.3	61.4	49.9
09:00 PM - 10:00 PM	50.8	65.7	49.6
10:00 PM - 11:00 PM	50.9	67.0	49.6
11:00 PM - 12:00 AM	52.1	57.5	51.0
12:00 AM - 01:00 AM	51.7	62.3	50.7
01:00 AM - 02:00 AM	53.0	58.9	51.4
02:00 AM - 03:00 AM	61.2	97.6	51.8
03:00 AM - 04:00 AM	54.2	71.2	52.4
04:00 AM - 05:00 AM	55.1	67.8	52.5
05:00 AM - 06:00 AM	55.9	64.3	53.1
06:00 AM - 07:00 AM	55.2	68.8	51.6
07:00 AM - 08:00 AM	52.8	73.9	49.1
08:00 AM - 09:00 AM	51.6	74.7	48.9
09:00 AM - 10:00 AM	52.8	67.1	49.3
10:00 AM - 11:00 AM	51.7	67.3	48.9

Leq Average 24 hrs. (dB(A)) 53.6
Lmax (dB(A)) 97.6
L90 (dB(A)) 49.6
Ldn (dB(A)) 61.6
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483305
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160153-1

Page 1 of 1

Sample Number 2483305-13
Parameter Noise (Leq 24 hrs.)
Location ศูนย์อำนวยการบริหารและเวชศาสตร์สิ่งแวดล้อม (NS) (GPS 47P 0732020, 1408176)
Measurement Date Oct 30 - Oct 31, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	51.5	65.7	48.4
12:00 PM - 01:00 PM	51.7	62.2	49.3
01:00 PM - 02:00 PM	50.3	60.0	48.0
02:00 PM - 03:00 PM	51.2	70.4	47.8
03:00 PM - 04:00 PM	52.9	66.0	50.1
04:00 PM - 05:00 PM	52.0	67.8	49.5
05:00 PM - 06:00 PM	52.7	65.3	50.9
06:00 PM - 07:00 PM	52.6	67.9	50.4
07:00 PM - 08:00 PM	52.4	61.7	50.8
08:00 PM - 09:00 PM	52.3	66.0	50.8
09:00 PM - 10:00 PM	52.7	64.2	51.4
10:00 PM - 11:00 PM	52.5	61.2	50.9
11:00 PM - 12:00 AM	52.5	57.3	51.0
12:00 AM - 01:00 AM	51.9	57.3	50.7
01:00 AM - 02:00 AM	51.9	56.4	50.5
02:00 AM - 03:00 AM	52.4	58.8	50.7
03:00 AM - 04:00 AM	52.6	64.3	50.8
04:00 AM - 05:00 AM	53.4	66.4	51.7
05:00 AM - 06:00 AM	52.9	68.7	50.9
06:00 AM - 07:00 AM	53.8	77.4	48.9
07:00 AM - 08:00 AM	51.4	76.0	46.8
08:00 AM - 09:00 AM	48.6	73.2	42.7
09:00 AM - 10:00 AM	49.3	59.2	46.7
10:00 AM - 11:00 AM	49.8	63.2	46.5

Leq Average 24 hrs. (dB(A)) 52.0
Lmax (dB(A)) 77.4
L90 (dB(A)) 50.4
Ldn (dB(A)) 59.0
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483305
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160154-1

Page 1 of 1

Sample Number 2483305-14
Parameter Noise (Leq 24 hrs.)
Location ศูนย์อำนวยการและเวชศาสตร์สิ่งแวดล้อม (NS) (GPS 47P 0732020, 1408176)
Measurement Date Oct 31 - Nov 01, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	52.4	68.6	48.0
12:00 PM - 01:00 PM	53.3	64.7	51.1
01:00 PM - 02:00 PM	57.2	74.3	49.0
02:00 PM - 03:00 PM	51.1	68.4	47.9
03:00 PM - 04:00 PM	51.4	69.8	48.6
04:00 PM - 05:00 PM	52.2	67.8	49.9
05:00 PM - 06:00 PM	52.0	66.4	50.6
06:00 PM - 07:00 PM	52.1	70.2	50.3
07:00 PM - 08:00 PM	52.3	60.2	50.6
08:00 PM - 09:00 PM	51.7	61.5	50.1
09:00 PM - 10:00 PM	51.4	62.7	49.5
10:00 PM - 11:00 PM	51.4	63.5	49.6
11:00 PM - 12:00 AM	51.3	58.9	49.6
12:00 AM - 01:00 AM	51.4	57.5	49.8
01:00 AM - 02:00 AM	50.7	62.8	49.4
02:00 AM - 03:00 AM	51.6	59.1	49.5
03:00 AM - 04:00 AM	51.7	62.5	49.5
04:00 AM - 05:00 AM	53.7	69.5	50.7
05:00 AM - 06:00 AM	53.5	66.7	51.5
06:00 AM - 07:00 AM	51.4	63.4	48.5
07:00 AM - 08:00 AM	50.0	69.0	43.4
08:00 AM - 09:00 AM	48.8	60.2	43.1
09:00 AM - 10:00 AM	69.2	83.5	51.3
10:00 AM - 11:00 AM	61.2	97.6	51.8
Leq Average 24 hrs. (dB(A))	57.5		
Lmax (dB(A))		97.6	
L90 (dB(A))			49.6
Ldn (dB(A))	60.4		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483305
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160155-1

Page 1 of 1

Sample Number 2483305-15
Parameter Noise (Leq 24 hrs.)
Location ขุมนตาขาว-อำเภอประจักษ์ (N6) (GPS 47P 0736063, 1402067)
Measurement Date Oct 25 - Oct 26, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	55.8	91.4	41.5
01:00 PM - 02:00 PM	46.1	69.7	39.0
02:00 PM - 03:00 PM	53.0	91.0	39.8
03:00 PM - 04:00 PM	51.7	80.4	42.3
04:00 PM - 05:00 PM	47.6	67.3	42.3
05:00 PM - 06:00 PM	46.5	69.3	41.6
06:00 PM - 07:00 PM	44.1	55.7	42.7
07:00 PM - 08:00 PM	46.2	82.4	42.2
08:00 PM - 09:00 PM	42.9	55.8	41.3
09:00 PM - 10:00 PM	42.9	73.0	41.3
10:00 PM - 11:00 PM	43.4	76.8	41.6
11:00 PM - 12:00 AM	41.9	54.2	41.1
12:00 AM - 01:00 AM	41.8	52.0	41.0
01:00 AM - 02:00 AM	41.5	61.2	39.7
02:00 AM - 03:00 AM	44.8	68.4	39.6
03:00 AM - 04:00 AM	41.1	57.3	39.8
04:00 AM - 05:00 AM	50.3	74.8	42.1
05:00 AM - 06:00 AM	50.0	71.1	46.1
06:00 AM - 07:00 AM	50.3	76.8	45.1
07:00 AM - 08:00 AM	48.9	64.9	43.5
08:00 AM - 09:00 AM	51.6	69.9	46.1
09:00 AM - 10:00 AM	52.3	68.9	45.0
10:00 AM - 11:00 AM	51.4	67.4	43.3
11:00 AM - 12:00 PM	47.5	75.8	41.4
Leq Average 24 hrs. (dB(A))	49.2		
Lmax (dB(A))		91.4	
L90 (dB(A))			41.6
Ldn (dB(A))	53.8		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483305
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160156-1

Page 1 of 1

Sample Number 2483305-16
Parameter Noise (Leq 24 hrs.)
Location ชุมชนตากวน-ลำน้ำประจักษ์ (N6) (GPS 47P 0736063, 1402067)
Measurement Date Oct 26 - Oct 27, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	47.2	68.5	42.1
01:00 PM - 02:00 PM	47.2	66.1	41.3
02:00 PM - 03:00 PM	47.5	70.0	43.1
03:00 PM - 04:00 PM	52.3	63.6	44.6
04:00 PM - 05:00 PM	49.1	77.0	43.1
05:00 PM - 06:00 PM	46.8	66.6	42.2
06:00 PM - 07:00 PM	42.9	56.1	41.5
07:00 PM - 08:00 PM	54.0	72.5	42.7
08:00 PM - 09:00 PM	58.0	70.5	51.2
09:00 PM - 10:00 PM	57.3	68.7	50.6
10:00 PM - 11:00 PM	50.9	66.2	41.5
11:00 PM - 12:00 AM	43.1	54.3	40.8
12:00 AM - 01:00 AM	42.5	57.5	40.9
01:00 AM - 02:00 AM	41.8	56.6	40.2
02:00 AM - 03:00 AM	41.8	58.1	40.5
03:00 AM - 04:00 AM	45.2	66.0	40.5
04:00 AM - 05:00 AM	46.2	73.6	41.4
05:00 AM - 06:00 AM	45.1	63.4	42.1
06:00 AM - 07:00 AM	45.6	60.2	43.0
07:00 AM - 08:00 AM	45.4	62.3	42.0
08:00 AM - 09:00 AM	51.6	83.4	41.7
09:00 AM - 10:00 AM	45.0	63.5	41.6
10:00 AM - 11:00 AM	50.6	77.2	41.0
11:00 AM - 12:00 PM	51.4	85.1	41.5

Leq Average 24 hrs. (dB(A)) 50.5
Lmax (dB(A)) 85.1
L90 (dB(A)) 41.6
Ldn (dB(A)) 53.8
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483305
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160157-1

Page 1 of 1

Sample Number 2483305-17
Parameter Noise (Leq 24 hrs.)
Location ชุมชนตากวน-ลำน้ำประจักษ์ (N6) (GPS 47P 0736063, 1402067)
Measurement Date Oct 27 - Oct 28, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	49.6	72.6	41.9
01:00 PM - 02:00 PM	45.8	69.1	41.5
02:00 PM - 03:00 PM	46.8	70.3	42.2
03:00 PM - 04:00 PM	46.7	80.1	42.0
04:00 PM - 05:00 PM	48.7	80.3	42.0
05:00 PM - 06:00 PM	42.9	63.7	41.3
06:00 PM - 07:00 PM	44.4	59.1	42.4
07:00 PM - 08:00 PM	43.3	59.8	41.9
08:00 PM - 09:00 PM	44.4	56.7	42.2
09:00 PM - 10:00 PM	45.0	55.1	42.6
10:00 PM - 11:00 PM	43.1	58.2	41.7
11:00 PM - 12:00 AM	43.8	55.4	42.6
12:00 AM - 01:00 AM	43.2	66.7	41.0
01:00 AM - 02:00 AM	42.9	56.8	41.9
02:00 AM - 03:00 AM	51.9	65.9	43.7
03:00 AM - 04:00 AM	52.3	67.6	44.4
04:00 AM - 05:00 AM	46.1	72.0	40.9
05:00 AM - 06:00 AM	58.3	78.4	41.0
06:00 AM - 07:00 AM	56.9	69.9	43.8
07:00 AM - 08:00 AM	49.0	79.2	40.9
08:00 AM - 09:00 AM	45.1	77.5	40.1
09:00 AM - 10:00 AM	47.8	71.6	39.0
10:00 AM - 11:00 AM	50.3	73.8	38.4
11:00 AM - 12:00 PM	50.7	75.8	40.1

Leq Average 24 hrs. (dB(A)) 50.1
Lmax (dB(A)) 80.3
L90 (dB(A)) 41.9
Ldn (dB(A)) 58.5
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483305
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160158-1

Page 1 of 1

Sample Number 2483305-18
Parameter Noise (Leq 24 hrs.)
Location ชุมชนตากวน-ลำประจักษ์ (N6) (GPS 47P 0736063, 1402067)
Measurement Date Oct 28 - Oct 29, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	48.8	74.1	38.8
01:00 PM - 02:00 PM	43.0	63.7	37.4
02:00 PM - 03:00 PM	46.9	75.0	38.7
03:00 PM - 04:00 PM	46.2	71.0	39.1
04:00 PM - 05:00 PM	47.0	70.7	37.6
05:00 PM - 06:00 PM	43.6	80.3	38.6
06:00 PM - 07:00 PM	43.3	80.0	39.2
07:00 PM - 08:00 PM	41.0	58.3	39.5
08:00 PM - 09:00 PM	42.3	59.2	39.9
09:00 PM - 10:00 PM	45.0	70.4	39.8
10:00 PM - 11:00 PM	41.4	60.3	39.4
11:00 PM - 12:00 AM	40.1	55.8	38.3
12:00 AM - 01:00 AM	40.8	59.0	38.6
01:00 AM - 02:00 AM	40.2	60.4	37.9
02:00 AM - 03:00 AM	46.0	70.1	37.2
03:00 AM - 04:00 AM	49.1	69.6	37.8
04:00 AM - 05:00 AM	49.7	75.8	41.9
05:00 AM - 06:00 AM	47.6	67.8	43.1
06:00 AM - 07:00 AM	51.8	77.4	39.7
07:00 AM - 08:00 AM	46.8	71.0	39.6
08:00 AM - 09:00 AM	48.5	70.6	42.2
09:00 AM - 10:00 AM	45.9	63.4	39.3
10:00 AM - 11:00 AM	48.5	68.0	46.8
11:00 AM - 12:00 PM	47.0	63.3	39.8
Leq Average 24 hrs. (dB(A))	46.6		
Lmax (dB(A))		80.3	
L90 (dB(A))			39.2
Ldn (dB(A))	53.5		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483305
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160159-1

Page 1 of 1

Sample Number 2483305-19
Parameter Noise (Leq 24 hrs.)
Location ชุมชนตากวน-ลำประจักษ์ (N6) (GPS 47P 0736063, 1402067)
Measurement Date Oct 29 - Oct 30, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	56.4	75.5	39.4
01:00 PM - 02:00 PM	51.9	78.9	38.8
02:00 PM - 03:00 PM	49.0	65.4	42.2
03:00 PM - 04:00 PM	46.9	71.5	38.4
04:00 PM - 05:00 PM	47.7	80.4	37.0
05:00 PM - 06:00 PM	40.3	63.3	37.8
06:00 PM - 07:00 PM	40.4	59.1	39.4
07:00 PM - 08:00 PM	40.1	58.0	39.2
08:00 PM - 09:00 PM	40.7	60.0	39.4
09:00 PM - 10:00 PM	40.1	51.4	39.1
10:00 PM - 11:00 PM	40.1	52.9	38.8
11:00 PM - 12:00 AM	39.8	63.7	38.8
12:00 AM - 01:00 AM	40.2	59.7	38.9
01:00 AM - 02:00 AM	43.0	58.4	39.3
02:00 AM - 03:00 AM	69.6	95.7	40.2
03:00 AM - 04:00 AM	53.9	78.8	41.5
04:00 AM - 05:00 AM	50.3	77.3	41.4
05:00 AM - 06:00 AM	58.9	72.6	57.5
06:00 AM - 07:00 AM	52.8	69.5	46.2
07:00 AM - 08:00 AM	46.0	71.5	40.6
08:00 AM - 09:00 AM	46.1	67.7	39.7
09:00 AM - 10:00 AM	44.4	68.5	39.5
10:00 AM - 11:00 AM	46.1	62.3	39.9
11:00 AM - 12:00 PM	47.1	70.7	38.1
Leq Average 24 hrs. (dB(A))	56.8		
Lmax (dB(A))		95.7	
L90 (dB(A))			39.4
Ldn (dB(A))	66.4		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483305
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160160-1

Page 1 of 1

Sample Number 2483305-20
Parameter Noise (Leq 24 hrs.)
Location ชุมชนตากวน-อ่าวประจักษ์ (N6) (GPS 47P 0736063, 1402067)
Measurement Date Oct 30 - Oct 31, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	43.6	68.4	37.9
01:00 PM - 02:00 PM	44.7	69.6	38.2
02:00 PM - 03:00 PM	46.7	70.7	38.8
03:00 PM - 04:00 PM	50.6	80.8	40.7
04:00 PM - 05:00 PM	48.6	79.1	42.9
05:00 PM - 06:00 PM	46.3	65.4	44.2
06:00 PM - 07:00 PM	46.2	62.1	44.1
07:00 PM - 08:00 PM	45.0	68.3	43.7
08:00 PM - 09:00 PM	48.0	77.5	43.4
09:00 PM - 10:00 PM	45.1	66.1	42.8
10:00 PM - 11:00 PM	44.3	60.6	43.1
11:00 PM - 12:00 AM	44.3	55.9	43.4
12:00 AM - 01:00 AM	44.0	57.6	43.0
01:00 AM - 02:00 AM	43.1	59.0	42.3
02:00 AM - 03:00 AM	50.3	72.4	41.9
03:00 AM - 04:00 AM	45.5	69.8	41.0
04:00 AM - 05:00 AM	48.4	73.5	43.1
05:00 AM - 06:00 AM	52.1	80.1	44.3
06:00 AM - 07:00 AM	55.6	78.9	40.9
07:00 AM - 08:00 AM	54.8	75.3	41.2
08:00 AM - 09:00 AM	56.4	73.5	41.9
09:00 AM - 10:00 AM	48.0	67.8	43.8
10:00 AM - 11:00 AM	51.0	73.3	43.3
11:00 AM - 12:00 PM	47.2	65.6	40.2

Leq Average 24 hrs. (dB(A)) 49.8
Lmax (dB(A)) 80.8
L90 (dB(A)) 42.8
Ldn (dB(A)) 56.1

Standard (dB(A)) 70

Reference Method : ISO1996-1 and 1996-2

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483305
Date Received : Nov 04, 2024
Date Reported : Nov 08, 2024
Report Number: 3160161-1

Page 1 of 1

Sample Number 2483305-21
Parameter Noise (Leq 24 hrs.)
Location ชุมชนตากวน-อ่าวประจักษ์ (N6) (GPS 47P 0736063, 1402067)
Measurement Date Oct 31 - Nov 01, 2024
Measurement by Mongkon Phalathip
Sound Level meter Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	49.7	73.9	38.2
01:00 PM - 02:00 PM	47.3	66.2	42.6
02:00 PM - 03:00 PM	48.4	79.1	42.3
03:00 PM - 04:00 PM	49.4	81.9	41.2
04:00 PM - 05:00 PM	48.4	77.4	41.7
05:00 PM - 06:00 PM	44.5	79.2	42.2
06:00 PM - 07:00 PM	44.6	65.1	42.4
07:00 PM - 08:00 PM	44.4	60.9	42.0
08:00 PM - 09:00 PM	43.4	57.9	41.0
09:00 PM - 10:00 PM	43.0	69.8	40.9
10:00 PM - 11:00 PM	42.8	65.6	40.8
11:00 PM - 12:00 AM	44.3	69.9	40.7
12:00 AM - 01:00 AM	42.3	59.0	41.0
01:00 AM - 02:00 AM	42.1	52.3	41.0
02:00 AM - 03:00 AM	47.1	70.9	41.2
03:00 AM - 04:00 AM	49.0	69.6	41.7
04:00 AM - 05:00 AM	50.1	72.4	43.6
05:00 AM - 06:00 AM	54.0	72.4	47.0
06:00 AM - 07:00 AM	51.5	70.1	44.0
07:00 AM - 08:00 AM	56.3	70.1	44.7
08:00 AM - 09:00 AM	49.1	69.6	37.8
09:00 AM - 10:00 AM	53.9	78.8	41.5
10:00 AM - 11:00 AM	52.3	67.6	44.4
11:00 AM - 12:00 PM	51.4	85.1	41.5

Leq Average 24 hrs. (dB(A)) 49.7
Lmax (dB(A)) 85.1
L90 (dB(A)) 41.5
Ldn (dB(A)) 55.5

Standard (dB(A)) 70

Reference Method : ISO1996-1 and 1996-2

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

ภาคผนวก ค-6

ระดับเสียงภายในสถานประกอบการ



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483332
Date Received : Sep 06, 2024
Date Reported : Sep 11, 2024
Report Number: 3061621-1

Page 1 of 1

Sample Number 2483332-1
Parameter Noise (Leq 8 hrs.)
Location Air Compressor (N4)
Measurement Date Sep 05, 2024
Measurement by Chanon Booncheun

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	77.3	90.5	73.8
09:00 AM - 10:00 AM	74.5	92.9	71.8
10:00 AM - 11:00 AM	77.9	92.8	74.4
11:00 AM - 12:00 PM	78.0	93.0	75.0
12:00 PM - 01:00 PM	77.4	92.6	74.6
01:00 PM - 02:00 PM	77.7	92.6	74.7
02:00 PM - 03:00 PM	77.5	92.5	74.5
03:00 PM - 04:00 PM	78.0	92.2	75.2

Leq Average 8 hrs. (dB(A)) 77.4
Lmax (dB(A)) 93.0
Standard (dB(A)) 90
Reference Method : ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 24120746
Date Received : Nov 14, 2024
Date Reported : Nov 19, 2024
Report Number: 3143662-1

Page 1 of 1

Sample Number 24120746-1
Parameter Noise (Leq 8 hrs.)
Location Air Compressor (N4)
Measurement Date Nov 13, 2024
Measurement by Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:30 AM - 09:30 AM	74.6	89.0	72.4
09:30 AM - 10:30 AM	73.0	88.4	71.1
10:30 AM - 11:30 AM	74.8	93.3	71.8
11:30 AM - 12:30 PM	75.1	87.9	72.9
12:30 PM - 01:30 PM	75.0	87.6	72.7
01:30 PM - 02:30 PM	75.3	87.6	72.8
02:30 PM - 03:30 PM	75.2	87.8	72.9
03:30 PM - 04:30 PM	75.5	87.8	73.0

Leq Average 8 hrs. (dB(A)) 74.9
Lmax (dB(A)) 93.3
Standard (dB(A)) 90
Reference Method : ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

ภาคผนวก ค-7

ระดับความร้อนภายในสถานประกอบการ



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483333
Date Received : Aug 23, 2024
Date Reported : Aug 29, 2024
Report Number: 3061622-1

Page 1 of 2

Sample Number 2483333-1
Parameter Heat Stress (Sampling Time : 01.00 PM - 03.00 PM)
Measurement Date Aug 22, 2024
Measurement by Norranon Tathongkham
Location ปฏบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
HRSG 5-6	120	30.5	28.8	34.7	34.0
Average (WBGT)		30.5			
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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 2483333
Date Received : Aug 23, 2024
Date Reported : Aug 29, 2024
Report Number: 3061622-1

Page 2 of 2

Sample Number 2483333-2
Parameter Heat Stress (Sampling Time : 01.00 PM - 03.00 PM)
Measurement Date Aug 22, 2024
Measurement by Norranon Tathongkham
Location ปฏบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
HRSG 7-10	120	30.0	28.1	34.5	33.9
Average (WBGT)		30.0			
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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S VReportAir Heat rpt (8 50AM)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 24120748
Date Received : Nov 14, 2024
Date Reported : Nov 18, 2024
Report Number: 3143668-1

Page 1 of 2

Sample Number 24120748-1
Parameter Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)
Measurement Date Nov 13, 2024
Measurement by Amnat Wongsakhen
Location ปลูกฝังงาน 1 พื้นที่ (ข้อ-นามสกุล ปลูกฝังงาน : - หาก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
HRS 5-6	120	29.4	27.3	34.4	34.1
Average (WBGT)		29.4			
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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
3, I-4 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : GLOW-OM-22-103
Project Name :
Project Location : GEN

Lot ID: 24120748
Date Received : Nov 14, 2024
Date Reported : Nov 18, 2024
Report Number: 3143668-1

Page 2 of 2

Sample Number 24120748-2
Parameter Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)
Measurement Date Nov 13, 2024
Measurement by Amnat Wongsakhen
Location ปลูกฝังงาน 1 พื้นที่ (ข้อ-นามสกุล ปลูกฝังงาน : - หาก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
HRS 7-10	120	29.6	27.6	34.4	33.7
Average (WBGT)		29.6			
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 Environment in relation to Heat, Light and Noise, B.E. 2559

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