



ภาคผนวก ง

ใบรับรองผลการวิเคราะห์



คุณภาพอากาศจากปล่องระบายอากาศ



Report No. : 2025-500005113 / 001-1 (Page 1 of 1) Issued date : September 10, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION: Glow SPP 11 Phase 2, Rayong

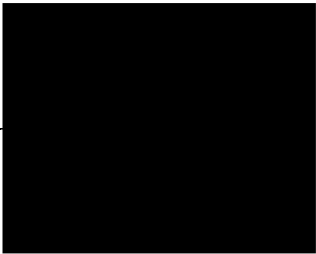
Analysis Report

SAMPLE DESIGNATED AS : Emission Air Quality
SAMPLING LOCATION : HRSG 1
SAMPLING BY :
LABORATORY NAME :
SAMPLING DATE : August 4, 2025
SAMPLING TIME : 14:50-15:50 hrs. (For TSP)
: 14:31-15:00 hrs. (For SO₂ and NO_x)

| Parameter | Unit | Value | Standard ^{1/} | Standard ^{2/} | Standard ^{3/} | Analytical Method |
|---|--------------------------|--------------------|------------------------|------------------------|------------------------|-------------------|
| Fuel Type | - | Natural Gas | - | - | - | - |
| Stack Diameter | cm. | 365 | - | - | - | - |
| Stack Temperature | °C | 113.9 | - | - | - | - |
| Dry Gas Temperature | °C | 36.3 | - | - | - | - |
| Absolute Stack Pressure | mm.Hg | 755.0 | - | - | - | - |
| Air Velocity | m/s | 20.30 | - | - | - | U.S.EPA Method 2 |
| Volumetric Flow Rate at actual O ₂ | Nm ³ /hr | 536,725 | - | - | - | U.S.EPA Method 2 |
| Moisture | % | 8.23 | - | - | - | U.S.EPA Method 4 |
| O ₂ | % | 15.12 | - | - | - | U.S.EPA Method 3A |
| CO ₂ | % | 3.65 | - | - | - | U.S.EPA Method 3A |
| TSP | at actual O ₂ | mg/Nm ³ | 0.26 | - | - | U.S.EPA Method 5 |
| | at 7% O ₂ | mg/Nm ³ | 0.63 | 60 | 60 | |
| | Emission Rate | g/s | 0.0388 | - | - | by Calculation |
| Sulfur Dioxide (SO ₂) | at actual O ₂ | ppm | 0.23 | - | - | U.S.EPA Method 6C |
| | at 7% O ₂ | ppm | 0.56 | 20 | 20 | |
| | Emission Rate | g/s | 0.0899 | - | - | by Calculation |
| Oxide of Nitrogen as NO ₂ | at actual O ₂ | ppm | 7.77 | - | - | U.S.EPA Method 7E |
| | at 7% O ₂ | ppm | 18.68 | 120 | 120 | |
| | Emission Rate | g/s | 2.1799 | - | - | by Calculation |

Remark : - N = Normal condition means reference condition at temperature of 25 °C, pressure of 1 atm or 760 mmHg, dry basis.
Sources : ^{1/} Notification of the Ministry of Natural Resources and Environment, B.E. 2566 (2023) on Emission Standard from Power Plants
^{2/} Notification of the Ministry of Industry B.E. 2567 (2024), published in the Royal Government Gazette, Vol 142, Special part 61 D dated February 11, B.E. 2568 (2025)
^{3/} Environmental Impact Assessment Report of GLOW SPP 11

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Report No. : 2025-500005113 / 001-3 (Page 1 of 1) Issued date : September 10, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION: Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Emission Air Quality
SAMPLING LOCATION : HRSG 2
SAMPLING BY :
LABORATORY NAME :
SAMPLING DATE : August 5, 2025
SAMPLING TIME : 12:10-13:10 hrs. (For TSP)
: 12:31-13:00 hrs. (For SO₂ and NO_x)

| Parameter | Unit | Value | Standard ^{1/} | Standard ^{2/} | Standard ^{3/} | Analytical Method |
|---|--------------------------|--------------------|------------------------|------------------------|------------------------|-------------------|
| Fuel Type | - | Natural Gas | - | - | - | - |
| Stack Diameter | cm. | 365 | - | - | - | - |
| Stack Temperature | °C | 111.9 | - | - | - | - |
| Dry Gas Temperature | °C | 33.4 | - | - | - | - |
| Absolute Stack Pressure | mm.Hg | 755.2 | - | - | - | - |
| Air Velocity | m/s | 19.84 | - | - | - | U.S.EPA Method 2 |
| Volumetric Flow Rate at actual O ₂ | Nm ³ /hr | 521,780 | - | - | - | U.S.EPA Method 2 |
| Moisture | % | 9.22 | - | - | - | U.S.EPA Method 4 |
| O ₂ | % | 14.98 | - | - | - | U.S.EPA Method 3A |
| CO ₂ | % | 3.76 | - | - | - | U.S.EPA Method 3A |
| TSP | at actual O ₂ | mg/Nm ³ | 0.27 | - | - | U.S.EPA Method 5 |
| | at 7% O ₂ | mg/Nm ³ | 0.64 | 60 | 60 | |
| | Emission Rate | g/s | 0.0393 | - | - | by Calculation |
| Sulfur Dioxide (SO ₂) | at actual O ₂ | ppm | 0.45 | - | - | U.S.EPA Method 6C |
| | at 7% O ₂ | ppm | 1.09 | 20 | 20 | |
| | Emission Rate | g/s | 0.1709 | - | - | by Calculation |
| Oxide of Nitrogen as NO ₂ | at actual O ₂ | ppm | 4.17 | - | - | U.S.EPA Method 7E |
| | at 7% O ₂ | ppm | 10.23 | 120 | 120 | |
| | Emission Rate | g/s | 1.1374 | - | - | by Calculation |

Remark : - N = Normal condition means reference condition at temperature of 25 °C, pressure of 1 atm or 760 mmHg, dry basis.
Sources : ^{1/} Notification of the Ministry of Natural Resources and Environment, B.E. 2566 (2023) on Emission Standard from Power Plants
^{2/} Notification of the Ministry of Industry B.E. 2567 (2024), published in the Royal Government Gazette, Vol 142, Special part 61 D dated February 11, B.E. 2568 (2025)
^{3/} Environmental Impact Assessment Report of GLOW SPP 11

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คุณภาพอากาศในบรรยากาศ
ทิศทางและความเร็วลม



Report No. : 2025-500005113 / 003-1 (Page 1 of 6) Issued date : August 26, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : Mapyangphon health care
SAMPLING DATE : August 4-11, 2025
SAMPLING BY : [Redacted]

| Station | Sampling Date | Result | |
|-------------------------------------|--------------------|-------------|---------------|
| | | TSP (mg/m³) | PM-10 (mg/m³) |
| Mapyangphon health care | August 4-5, 2025 | 0.068 | 0.031 |
| | August 5-6, 2025 | 0.096 | 0.043 |
| | August 6-7, 2025 | 0.066 | 0.045 |
| | August 7-8, 2025 | 0.055 | 0.039 |
| | August 8-9, 2025 | 0.060 | 0.039 |
| | August 9-10, 2025 | 0.072 | 0.044 |
| | August 10-11, 2025 | 0.065 | 0.036 |
| Standard (avg. 24 hr) ^{1/} | | ≤0.33 | ≤0.12 |

Remarks : - Sampling and analytical technique for TSP based on High Volume Air Sampler / Gravimetric Method.
- Sampling and analytical technique for PM10 based on Size Selective High Volume Air Sampler / Gravimetric Method.
Source : ^{1/} The Notification of the National Environment Board No.24, B.E. 2547 (2004), subjected "The ambient air standards", published in the Royal Government Gazette, Vol. 121, Part 104D, dated September 22, B.E. 2547 (2004).

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Report No. : 2025-500005113 / 003-1 (Page 2 of 6) Issued date : August 26, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : Mapyangphon health care
SAMPLING DATE : August 4-11, 2025
SAMPLING BY [Redacted]

| Time | NO ₂ Concentration (ppm) | | | | | | |
|------------------------------------|-------------------------------------|---------------|---------------|---------------|---------------|----------------|-----------------|
| | Aug 4-5, 2025 | Aug 5-6, 2025 | Aug 6-7, 2025 | Aug 7-8, 2025 | Aug 8-9, 2025 | Aug 9-10, 2025 | Aug 10-11, 2025 |
| 13:00-14:00 | 0.011 | 0.007 | 0.007 | 0.007 | 0.011 | 0.009 | 0.008 |
| 14:00-15:00 | 0.015 | 0.009 | 0.007 | 0.005 | 0.011 | 0.009 | 0.006 |
| 15:00-16:00 | 0.013 | 0.009 | 0.009 | 0.008 | 0.010 | 0.008 | 0.005 |
| 16:00-17:00 | 0.013 | 0.010 | 0.009 | 0.007 | 0.012 | 0.010 | 0.009 |
| 17:00-18:00 | 0.013 | 0.016 | 0.019 | 0.009 | 0.019 | 0.011 | 0.010 |
| 18:00-19:00 | 0.014 | 0.011 | 0.012 | 0.011 | 0.014 | 0.010 | 0.006 |
| 19:00-20:00 | 0.016 | 0.013 | 0.009 | 0.010 | 0.011 | 0.009 | 0.006 |
| 20:00-21:00 | 0.013 | 0.011 | 0.008 | 0.010 | 0.014 | 0.010 | 0.008 |
| 21:00-22:00 | 0.014 | 0.011 | 0.008 | 0.010 | 0.014 | 0.013 | 0.010 |
| 22:00-23:00 | 0.012 | 0.013 | 0.007 | 0.009 | 0.012 | 0.013 | 0.008 |
| 23:00-00:00 | 0.010 | 0.011 | 0.007 | 0.008 | 0.010 | 0.011 | 0.007 |
| 00:00-01:00 | 0.009 | 0.008 | 0.009 | 0.008 | 0.008 | 0.010 | 0.007 |
| 01:00-02:00 | 0.009 | 0.008 | 0.008 | 0.008 | 0.007 | 0.010 | 0.007 |
| 02:00-03:00 | 0.008 | 0.007 | 0.007 | 0.007 | 0.007 | 0.010 | 0.007 |
| 03:00-04:00 | 0.008 | 0.007 | 0.006 | 0.009 | 0.007 | 0.009 | 0.007 |
| 04:00-05:00 | 0.008 | 0.006 | 0.007 | 0.011 | 0.010 | 0.008 | 0.006 |
| 05:00-06:00 | 0.007 | 0.006 | 0.007 | 0.009 | 0.011 | 0.008 | 0.006 |
| 06:00-07:00 | 0.007 | 0.006 | 0.008 | 0.011 | 0.010 | 0.008 | 0.007 |
| 07:00-08:00 | 0.009 | 0.010 | 0.009 | 0.009 | 0.009 | 0.007 | 0.012 |
| 08:00-09:00 | 0.008 | 0.007 | 0.006 | 0.010 | 0.009 | 0.008 | 0.009 |
| 09:00-10:00 | 0.007 | 0.007 | 0.003 | 0.010 | 0.008 | 0.010 | 0.008 |
| 10:00-11:00 | 0.008 | 0.007 | 0.006 | 0.011 | 0.008 | 0.007 | 0.007 |
| 11:00-12:00 | 0.008 | 0.008 | 0.008 | 0.012 | 0.009 | 0.006 | 0.007 |
| 12:00-13:00 | 0.008 | 0.008 | 0.007 | 0.010 | 0.009 | 0.010 | 0.005 |
| 1 hr-Minimum | 0.007 | 0.006 | 0.003 | 0.005 | 0.007 | 0.006 | 0.005 |
| 1 hr-Maximum | 0.016 | 0.016 | 0.019 | 0.012 | 0.019 | 0.013 | 0.012 |
| Standard ^{1/} (avg. 1 hr) | ≤0.17 | | | | | | |

Analytical Method : - Chemiluminescence Method.
Source : ^{1/} The Notification of the National Environment Board No. 33, B.E. 2552 (2009).
[Redacted] dioxide in ambient air standards", published in the Royal Government Gazette, V [Redacted] August 14, B.E. 2552 (2009).

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Technical Manager

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Report No. : 2025-500005113 / 003-1 (Page 3 of 6) Issued date : August 26, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality SAMPLING DATE : August 4-11, 2025
SAMPLING LOCATION : Mapyangphon health care SAMPLING BY [REDACTED]

| Time | SO ₂ Concentration (ppm) | | | | | | |
|-------------------------------------|-------------------------------------|---------------|---------------|---------------|---------------|----------------|-----------------|
| | Aug 4-5, 2025 | Aug 5-6, 2025 | Aug 6-7, 2025 | Aug 7-8, 2025 | Aug 8-9, 2025 | Aug 9-10, 2025 | Aug 10-11, 2025 |
| 13:00-14:00 | 0.004 | 0.002 | 0.003 | 0.003 | 0.002 | 0.003 | 0.002 |
| 14:00-15:00 | 0.002 | 0.003 | 0.003 | 0.003 | 0.002 | 0.004 | 0.002 |
| 15:00-16:00 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.002 | 0.002 |
| 16:00-17:00 | 0.004 | 0.003 | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 |
| 17:00-18:00 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.002 | 0.002 |
| 18:00-19:00 | 0.002 | 0.002 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 19:00-20:00 | 0.003 | 0.003 | 0.004 | 0.004 | 0.002 | 0.003 | 0.003 |
| 20:00-21:00 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 21:00-22:00 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 22:00-23:00 | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.002 |
| 23:00-00:00 | 0.003 | 0.003 | 0.003 | 0.003 | 0.002 | 0.002 | 0.003 |
| 00:00-01:00 | 0.004 | 0.004 | 0.004 | 0.002 | 0.003 | 0.003 | 0.003 |
| 01:00-02:00 | 0.004 | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 02:00-03:00 | 0.003 | 0.003 | 0.004 | 0.003 | 0.002 | 0.003 | 0.004 |
| 03:00-04:00 | 0.003 | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 |
| 04:00-05:00 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.002 | 0.003 |
| 05:00-06:00 | 0.003 | 0.004 | 0.003 | 0.004 | 0.003 | 0.002 | 0.004 |
| 06:00-07:00 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 07:00-08:00 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.004 |
| 08:00-09:00 | 0.003 | 0.004 | 0.004 | 0.004 | 0.002 | 0.003 | 0.003 |
| 09:00-10:00 | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.002 | 0.003 |
| 10:00-11:00 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 11:00-12:00 | 0.003 | 0.003 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 |
| 12:00-13:00 | 0.003 | 0.002 | 0.003 | 0.002 | 0.003 | 0.003 | 0.003 |
| 1 hr-Minimum | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| 1 hr-Maximum | 0.004 | 0.004 | 0.004 | 0.004 | 0.003 | 0.004 | 0.004 |
| Average 24 hr | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Standard ^{1/} (avg. 1 hr) | ≤0.30 | | | | | | |
| Standard ^{2/} (avg. 24 hr) | ≤0.12 | | | | | | |

Analytical Method : - UV Fluorescence Method
Sources :
1/ The Notification of the National Environment Board No. 21, B.E. 2544 (2001), subjected "The sulfur dioxide in ambient air standards", published in the Royal Government Gazette, Vol. 118, Part 39D, dated April 30, B.E. 2544 (2001).
2/ The Notification of the National Environment Board No. 24, B.E. 2547 (2004), subjected "The sulfur dioxide in ambient air standards", published in the Royal Government Gazette, Vol. 121, Part 104D, dated [REDACTED]

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Report No. : 2025-500005113 / 003-1 (Page 4 of 6) Issued date : August 26, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : Mapyangphon health care
SAMPLING DATE : August 4-11, 2025
SAMPLING BY : [Redacted]

| Time | Aug 4-5, 2025 | | Aug 5-6, 2025 | | Aug 6-7, 2025 | | Aug 7-8, 2025 | | Aug 8-9, 2025 | | Aug 9-10, 2025 | | Aug 10-11, 2025 | |
|-------------|---------------|----------|---------------|----------|---------------|----------|---------------|----------|---------------|----------|----------------|----------|-----------------|----------|
| | WD | WS (m/s) | WD | WS (m/s) | WD | WS (m/s) | WD | WS (m/s) | WD | WS (m/s) | WD | WS (m/s) | WD | WS (m/s) |
| 13:00-14:00 | SE | 1.3 | SE | 1.3 | S | 0.9 | ESE | 1.8 | - | CALM | ESE | 1.8 | SSW | 1.8 |
| 14:00-15:00 | SSE | 0.9 | WSW | 1.3 | SE | 0.9 | ESE | 1.8 | ESE | 0.9 | ESE | 1.8 | SSW | 1.8 |
| 15:00-16:00 | SE | 1.3 | WSW | 1.8 | - | CALM | ESE | 1.8 | ESE | 1.3 | SE | 0.9 | SSW | 1.8 |
| 16:00-17:00 | SE | 0.9 | SE | 0.9 | WSW | 0.9 | ESE | 1.8 | ESE | 1.8 | SSE | 0.9 | SSW | 2.2 |
| 17:00-18:00 | SE | 0.9 | SE | 0.9 | SE | 0.9 | ESE | 1.3 | - | CALM | S | 0.9 | SSW | 2.2 |
| 18:00-19:00 | SE | 0.9 | SE | 0.9 | SE | 1.8 | SE | 1.3 | - | CALM | SE | 1.3 | SW | 1.8 |
| 19:00-20:00 | SSE | 1.8 | SE | 0.9 | SE | 1.3 | SE | 0.9 | ESE | 0.9 | ESE | 0.9 | SSE | 0.9 |
| 20:00-21:00 | SSE | 1.3 | SE | 1.3 | SE | 0.9 | - | CALM | - | CALM | - | CALM | SE | 0.9 |
| 21:00-22:00 | SSE | 1.3 | SE | 0.9 | - | CALM | - | CALM | - | CALM | - | CALM | SE | 0.9 |
| 22:00-23:00 | SSE | 0.9 | SE | 0.9 | S | 0.9 | SE | 0.9 | - | CALM | - | CALM | - | CALM |
| 23:00-00:00 | SSE | 0.9 | SE | 1.3 | - | CALM | - | CALM | SSW | 1.3 | - | CALM | - | CALM |
| 00:00-01:00 | SSW | 0.9 | SE | 0.9 | - | CALM | - | CALM | SSW | 0.9 | - | CALM | - | CALM |
| 01:00-02:00 | - | CALM | SSE | 0.9 | - | CALM | - | CALM | - | CALM | - | CALM | SSE | 0.9 |
| 02:00-03:00 | - | CALM | SE | 0.9 | - | CALM | - | CALM | - | CALM | - | CALM | SW | 0.9 |
| 03:00-04:00 | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | WSW | 0.9 |
| 04:00-05:00 | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM |
| 05:00-06:00 | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM |
| 06:00-07:00 | - | CALM | - | CALM | - | CALM | WNW | 0.9 | - | CALM | - | CALM | - | CALM |
| 07:00-08:00 | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM |
| 08:00-09:00 | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM |
| 09:00-10:00 | W | 0.9 | S | 0.9 | SE | 0.9 | - | CALM | - | CALM | - | CALM | SW | 0.9 |
| 10:00-11:00 | WSW | 0.9 | - | CALM | SE | 0.9 | - | CALM | S | 0.9 | SW | 1.3 | SSW | 0.9 |
| 11:00-12:00 | SE | 0.9 | S | 0.9 | ESE | 1.8 | - | CALM | SSW | 0.9 | SW | 1.8 | SW | 1.3 |
| 12:00-13:00 | SE | 1.3 | S | 0.9 | ESE | 2.2 | - | CALM | SE | 1.3 | SW | 1.8 | SW | 0.9 |

Remarks : - WS = Wind Speed
- WD = Wind Direction

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SGS (THAILAND) LIMITED





Report No. : 2025-500005113 / 003-1 (Page 5 of 6) Issued date : August 26, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

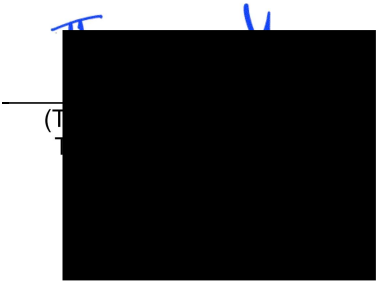
Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : Mapyangphon health care
SAMPLING DATE : August 4-11, 2025
SAMPLING BY : [Redacted]

| Wind Speed Wind Direction | Percent of Wind Speed (%) | | | | |
|----------------------------------|---------------------------|-------------|-------------|-------------|----------|
| | 0.4-1.0 m/s | 1.1-2.0 m/s | 2.1-3.0 m/s | 3.1-4.0 m/s | >4.0 m/s |
| N | - | - | - | - | - |
| NNE | - | - | - | - | - |
| NE | - | - | - | - | - |
| ENE | - | - | - | - | - |
| E | - | - | - | - | - |
| ESE | 1.79 | 5.95 | 0.60 | - | - |
| SE | 13.10 | 6.55 | - | - | - |
| SSE | 4.17 | 1.79 | - | - | - |
| S | 4.17 | - | - | - | - |
| SSW | 2.38 | 2.38 | 1.19 | - | - |
| SW | 1.79 | 2.98 | - | - | - |
| WSW | 1.79 | 1.19 | - | - | - |
| W | 0.60 | - | - | - | - |
| WNW | 0.60 | - | - | - | - |
| NW | - | - | - | - | - |
| NNW | - | - | - | - | - |
| CALM | 47.02 | | | | |

Remark : - Measurement method by using wind speed and wind direction meter / ISO

TY/WN/SV/SV



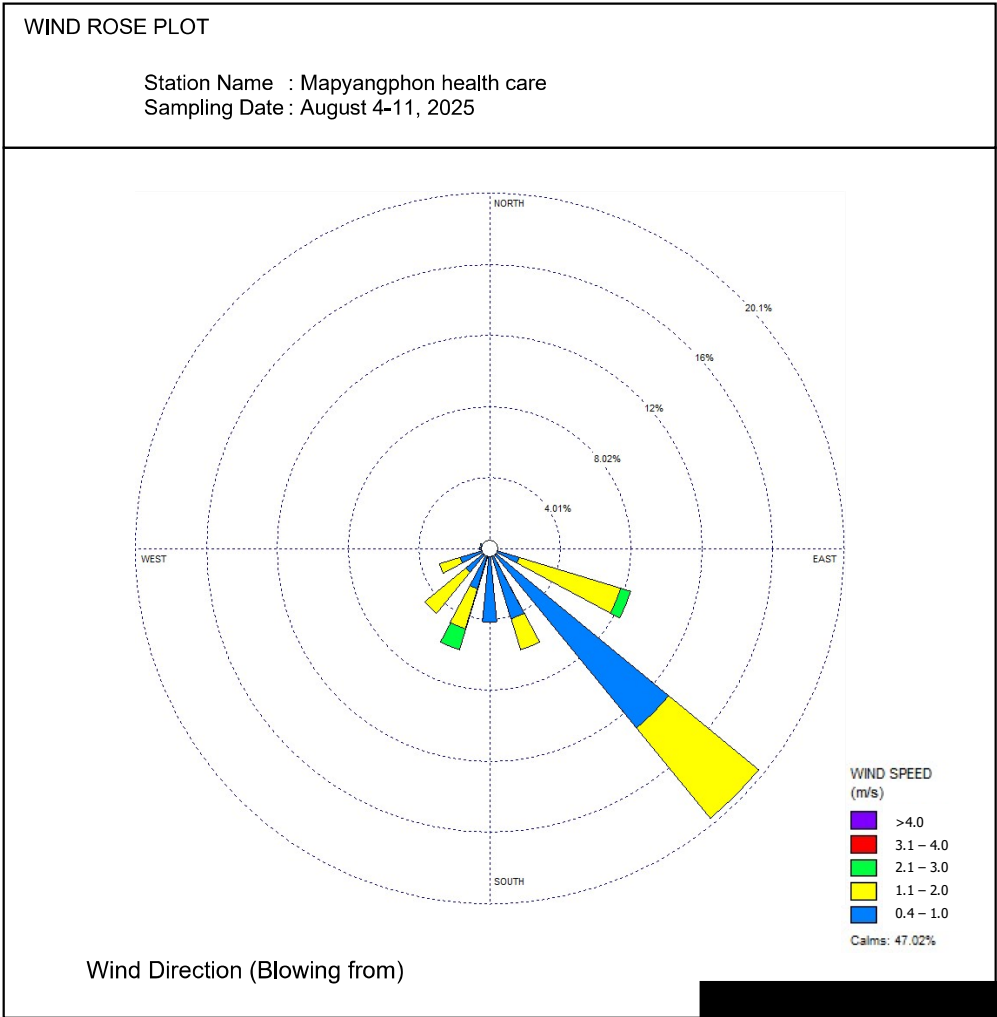


Report No. : 2025-500005113 / 003-1 (Page 6 of 6) Issued date : August 26, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : Mapyangphon health care
SAMPLING DATE : August 4-11, 2025
SAMPLING BY : [Redacted]



TY/WN/SV/SV



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Report No. : 2025-500005113 / 003-2 (Page 1 of 6) Issued date : August 26, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : Moo 3 Ban Bowin
SAMPLING DATE : August 4-11, 2025
SAMPLING BY [REDACTED]

| Station | Sampling Date | Result | |
|-------------------------------------|--------------------|-------------|---------------|
| | | TSP (mg/m³) | PM-10 (mg/m³) |
| Moo 3 Ban Bowin | August 4-5, 2025 | 0.064 | 0.032 |
| | August 5-6, 2025 | 0.076 | 0.023 |
| | August 6-7, 2025 | 0.046 | 0.022 |
| | August 7-8, 2025 | 0.044 | 0.023 |
| | August 8-9, 2025 | 0.054 | 0.025 |
| | August 9-10, 2025 | 0.048 | 0.026 |
| | August 10-11, 2025 | 0.054 | 0.029 |
| Standard (avg. 24 hr) ^{1/} | | ≤0.33 | ≤0.12 |

Remarks : - Sampling and analytical technique for TSP based on High Volume Air Sampler / Gravimetric Method.
- Sampling and analytical technique for PM10 based on Size Selective High Volume Air Sampler / Gravimetric Method.
Source : ^{1/} The Notification of the National Environment Board No.24, B.E. 2547 (2004), subjected "The ambient air standards", published in the Royal Government Gazette, Vol. 121, Part 104D, dated September 22, B.E. 2547 (2004).

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Report No. : 2025-500005113 / 003-2 (Page 2 of 6) Issued date : August 26, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : Moo 3 Ban Bowin
SAMPLING DATE : August 4-11, 2025
SAMPLING BY [REDACTED]

| Time | NO ₂ Concentration (ppm) | | | | | | |
|------------------------------------|-------------------------------------|---------------|---------------|---------------|---------------|----------------|-----------------|
| | Aug 4-5, 2025 | Aug 5-6, 2025 | Aug 6-7, 2025 | Aug 7-8, 2025 | Aug 8-9, 2025 | Aug 9-10, 2025 | Aug 10-11, 2025 |
| 11:00-12:00 | 0.008 | 0.006 | 0.005 | 0.004 | 0.005 | 0.003 | 0.004 |
| 12:00-13:00 | 0.005 | 0.006 | 0.004 | 0.003 | 0.004 | 0.003 | 0.004 |
| 13:00-14:00 | 0.008 | 0.005 | 0.003 | 0.003 | 0.004 | 0.003 | 0.005 |
| 14:00-15:00 | 0.010 | 0.004 | 0.003 | 0.003 | 0.004 | 0.004 | 0.007 |
| 15:00-16:00 | 0.018 | 0.005 | 0.003 | 0.003 | 0.003 | 0.004 | 0.006 |
| 16:00-17:00 | 0.017 | 0.005 | 0.004 | 0.003 | 0.003 | 0.003 | 0.005 |
| 17:00-18:00 | 0.014 | 0.006 | 0.004 | 0.003 | 0.005 | 0.004 | 0.004 |
| 18:00-19:00 | 0.013 | 0.006 | 0.005 | 0.003 | 0.006 | 0.005 | 0.004 |
| 19:00-20:00 | 0.013 | 0.005 | 0.008 | 0.004 | 0.005 | 0.004 | 0.004 |
| 20:00-21:00 | 0.013 | 0.008 | 0.009 | 0.003 | 0.004 | 0.003 | 0.003 |
| 21:00-22:00 | 0.009 | 0.005 | 0.007 | 0.003 | 0.003 | 0.003 | 0.003 |
| 22:00-23:00 | 0.009 | 0.004 | 0.007 | 0.003 | 0.003 | 0.003 | 0.003 |
| 23:00-00:00 | 0.008 | 0.005 | 0.005 | 0.003 | 0.003 | 0.003 | 0.003 |
| 00:00-01:00 | 0.008 | 0.005 | 0.005 | 0.004 | 0.003 | 0.003 | 0.004 |
| 01:00-02:00 | 0.007 | 0.004 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 |
| 02:00-03:00 | 0.006 | 0.004 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 |
| 03:00-04:00 | 0.006 | 0.004 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 |
| 04:00-05:00 | 0.006 | 0.004 | 0.004 | 0.004 | 0.003 | 0.003 | 0.004 |
| 05:00-06:00 | 0.006 | 0.004 | 0.004 | 0.005 | 0.003 | 0.004 | 0.007 |
| 06:00-07:00 | 0.007 | 0.005 | 0.007 | 0.007 | 0.005 | 0.006 | 0.007 |
| 07:00-08:00 | 0.009 | 0.009 | 0.009 | 0.008 | 0.007 | 0.007 | 0.008 |
| 08:00-09:00 | 0.007 | 0.006 | 0.006 | 0.007 | 0.004 | 0.006 | 0.009 |
| 09:00-10:00 | 0.006 | 0.004 | 0.004 | 0.004 | 0.003 | 0.004 | 0.006 |
| 10:00-11:00 | 0.007 | 0.005 | 0.006 | 0.005 | 0.005 | 0.005 | 0.006 |
| 1 hr-Minimum | 0.005 | 0.004 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| 1 hr-Maximum | 0.018 | 0.009 | 0.009 | 0.008 | 0.007 | 0.007 | 0.009 |
| Standard ^{1/} (avg. 1 hr) | ≤0.17 | | | | | | |

Analytical Method : - Chemiluminescence Method.
Source : ^{1/} The Notification of the National Environment Board No. 33, B.E. 2552 (2009), subjected "The nitrogen dioxide in ambient air standards", published in the Royal Government Gazette, and August 14, B.E. 2552 (2009).

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Report No. : 2025-500005113 / 003-2 (Page 3 of 6) Issued date : August 26, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality SAMPLING DATE : August 4-11, 2025
SAMPLING LOCATION : Moo 3 Ban Bowin SAMPLING BY [REDACTED]

| Time | SO ₂ Concentration (ppm) | | | | | | |
|-------------------------------------|-------------------------------------|---------------|---------------|---------------|---------------|----------------|-----------------|
| | Aug 4-5, 2025 | Aug 5-6, 2025 | Aug 6-7, 2025 | Aug 7-8, 2025 | Aug 8-9, 2025 | Aug 9-10, 2025 | Aug 10-11, 2025 |
| 11:00-12:00 | 0.003 | 0.002 | 0.003 | 0.004 | 0.005 | 0.003 | 0.003 |
| 12:00-13:00 | 0.002 | 0.002 | 0.003 | 0.004 | 0.004 | 0.004 | 0.003 |
| 13:00-14:00 | 0.003 | 0.003 | 0.005 | 0.004 | 0.004 | 0.004 | 0.003 |
| 14:00-15:00 | 0.003 | 0.002 | 0.004 | 0.004 | 0.004 | 0.005 | 0.004 |
| 15:00-16:00 | 0.003 | 0.003 | 0.003 | 0.003 | 0.004 | 0.003 | 0.003 |
| 16:00-17:00 | 0.002 | 0.003 | 0.004 | 0.004 | 0.004 | 0.003 | 0.003 |
| 17:00-18:00 | 0.003 | 0.003 | 0.004 | 0.004 | 0.005 | 0.003 | 0.003 |
| 18:00-19:00 | 0.003 | 0.003 | 0.002 | 0.004 | 0.004 | 0.004 | 0.004 |
| 19:00-20:00 | 0.003 | 0.003 | 0.002 | 0.004 | 0.004 | 0.004 | 0.004 |
| 20:00-21:00 | 0.003 | 0.002 | 0.002 | 0.003 | 0.005 | 0.004 | 0.004 |
| 21:00-22:00 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 0.003 |
| 22:00-23:00 | 0.002 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | 0.003 |
| 23:00-00:00 | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.003 | 0.003 |
| 00:00-01:00 | 0.003 | 0.002 | 0.004 | 0.004 | 0.003 | 0.005 | 0.004 |
| 01:00-02:00 | 0.003 | 0.002 | 0.004 | 0.004 | 0.004 | 0.002 | 0.003 |
| 02:00-03:00 | 0.002 | 0.002 | 0.002 | 0.003 | 0.004 | 0.004 | 0.003 |
| 03:00-04:00 | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 0.004 |
| 04:00-05:00 | 0.002 | 0.005 | 0.003 | 0.003 | 0.002 | 0.003 | 0.003 |
| 05:00-06:00 | 0.001 | 0.002 | 0.003 | 0.004 | 0.001 | 0.003 | 0.003 |
| 06:00-07:00 | 0.002 | 0.003 | 0.003 | 0.004 | 0.002 | 0.002 | 0.004 |
| 07:00-08:00 | 0.002 | 0.002 | 0.004 | 0.004 | 0.003 | 0.002 | 0.003 |
| 08:00-09:00 | 0.002 | 0.003 | 0.003 | 0.003 | 0.004 | 0.002 | 0.004 |
| 09:00-10:00 | 0.002 | 0.003 | 0.003 | 0.003 | 0.004 | 0.003 | 0.003 |
| 10:00-11:00 | 0.003 | 0.002 | 0.004 | 0.003 | 0.004 | 0.003 | 0.003 |
| 1 hr-Minimum | 0.001 | 0.002 | 0.002 | 0.003 | 0.001 | 0.002 | 0.003 |
| 1 hr-Maximum | 0.003 | 0.005 | 0.005 | 0.004 | 0.005 | 0.005 | 0.004 |
| Average 24 hr | 0.003 | 0.003 | 0.003 | 0.004 | 0.004 | 0.003 | 0.003 |
| Standard ^{1/} (avg. 1 hr) | ≤0.30 | | | | | | |
| Standard ^{2/} (avg. 24 hr) | ≤0.12 | | | | | | |

Analytical Method : - UV Fluorescence Method
Sources :
1/ The Notification of the National Environment Board No. 21, B.E. 2544 (2001), subjected "The sulfur dioxide in ambient air standards", published in the Royal Government Gazette, Vol. 118, Part 39D, dated April 30, B.E. 2544 (2001).
2/ The Notification of the National Environment Board No. 24, B.E. 2547 (2004), subjected "The sulfur dioxide in ambient air standards", published in the Royal Government Gazette, Vol. 121, Part 104D, dated [REDACTED].

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Report No. : 2025-500005113 / 003-2 (Page 4 of 6) Issued date : August 26, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : Moo 3 Ban Bowin
SAMPLING DATE : August 4-11, 2025
SAMPLING BY : [Redacted]

| Time | Aug 4-5, 2025 | | Aug 5-6, 2025 | | Aug 6-7, 2025 | | Aug 7-8, 2025 | | Aug 8-9, 2025 | | Aug 9-10, 2025 | | Aug 10-11, 2025 | |
|-------------|---------------|----------|---------------|----------|---------------|----------|---------------|----------|---------------|----------|----------------|----------|-----------------|----------|
| | WD | WS (m/s) | WD | WS (m/s) | WD | WS (m/s) | WD | WS (m/s) | WD | WS (m/s) | WD | WS (m/s) | WD | WS (m/s) |
| 11:00-12:00 | WSW | 0.9 | W | 1.3 | SW | 0.9 | SSE | 2.2 | N | 0.9 | W | 1.3 | W | 1.8 |
| 12:00-13:00 | W | 0.9 | W | 1.8 | W | 1.3 | SSE | 2.7 | N | 1.3 | W | 1.3 | W | 2.2 |
| 13:00-14:00 | W | 1.8 | W | 1.8 | W | 1.8 | S | 2.2 | NNE | 0.9 | W | 1.8 | W | 1.8 |
| 14:00-15:00 | WSW | 2.2 | W | 1.8 | SW | 1.3 | SW | 2.2 | N | 0.9 | W | 2.2 | W | 2.2 |
| 15:00-16:00 | W | 1.3 | W | 1.8 | SSW | 0.9 | S | 2.2 | W | 1.8 | W | 1.8 | W | 1.8 |
| 16:00-17:00 | W | 2.2 | NW | 1.3 | W | 0.9 | SSE | 2.7 | ENE | 1.3 | W | 0.9 | W | 2.2 |
| 17:00-18:00 | SW | 1.3 | W | 0.9 | SSE | 1.8 | S | 2.2 | - | CALM | W | 0.9 | W | 2.2 |
| 18:00-19:00 | SW | 0.9 | - | CALM | SSE | 2.2 | S | 2.2 | - | CALM | W | 1.8 | W | 2.2 |
| 19:00-20:00 | SSW | 2.2 | - | CALM | S | 1.3 | S | 1.3 | - | CALM | SW | 0.9 | W | 1.3 |
| 20:00-21:00 | SSE | 2.2 | SSE | 1.3 | SW | 0.9 | SSE | 0.9 | SSW | 0.9 | - | CALM | SSW | 0.9 |
| 21:00-22:00 | SSE | 1.3 | S | 0.9 | SW | 1.3 | - | CALM | - | CALM | - | CALM | SW | 0.9 |
| 22:00-23:00 | SSE | 1.8 | SSE | 1.3 | SSW | 1.3 | SSE | 0.9 | - | CALM | - | CALM | - | CALM |
| 23:00-00:00 | SSE | 1.3 | SSE | 1.3 | - | CALM | SSE | 0.9 | W | 1.3 | - | CALM | - | CALM |
| 00:00-01:00 | SSE | 0.9 | S | 1.3 | - | CALM | - | CALM | W | 0.9 | - | CALM | - | CALM |
| 01:00-02:00 | SSE | 1.3 | SSW | 0.9 | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM |
| 02:00-03:00 | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM |
| 03:00-04:00 | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM |
| 04:00-05:00 | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM |
| 05:00-06:00 | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM |
| 06:00-07:00 | - | CALM | - | CALM | - | CALM | N | 0.9 | - | CALM | - | CALM | - | CALM |
| 07:00-08:00 | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM |
| 08:00-09:00 | SSW | 0.9 | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM | - | CALM |
| 09:00-10:00 | SW | 1.3 | SW | 0.9 | SSE | 1.3 | - | CALM | SW | 0.9 | - | CALM | WSW | 0.9 |
| 10:00-11:00 | SW | 1.3 | W | 0.9 | SSE | 1.8 | - | CALM | W | 1.3 | W | 1.8 | W | 0.9 |

Remarks : - WS = Wind Speed
- WD = Wind Direction

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Report No. : 2025-500005113 / 003-2 (Page 5 of 6) Issued date : August 26, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

Analysis Report

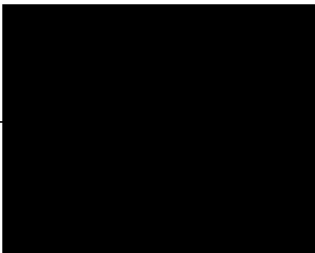
SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : Moo 3 Ban Bowin
SAMPLING DATE : August 4-11, 2025
SAMPLING BY [REDACTED]

| Wind Speed Wind Direction | Percent of Wind Speed (%) | | | | |
|----------------------------------|---------------------------|-------------|-------------|-------------|----------|
| | 0.4-1.0 m/s | 1.1-2.0 m/s | 2.1-3.0 m/s | 3.1-4.0 m/s | >4.0 m/s |
| N | 1.79 | 0.60 | - | - | - |
| NNE | 0.60 | - | - | - | - |
| NE | - | - | - | - | - |
| ENE | - | 0.60 | - | - | - |
| E | - | - | - | - | - |
| ESE | - | - | - | - | - |
| SE | - | - | - | - | - |
| SSE | 2.38 | 5.95 | 2.98 | - | - |
| S | 0.60 | 1.79 | 2.38 | - | - |
| SSW | 2.98 | 0.60 | 0.60 | - | - |
| SW | 4.17 | 2.98 | 0.60 | - | - |
| WSW | 1.19 | - | 0.60 | - | - |
| W | 4.76 | 13.10 | 4.17 | - | - |
| WNW | - | - | - | - | - |
| NW | - | 0.60 | - | - | - |
| NNW | - | - | - | - | - |
| CALM | 44.05 | | | | |

Remark : - Measurement method by using wind speed and wind direction meter / ISO

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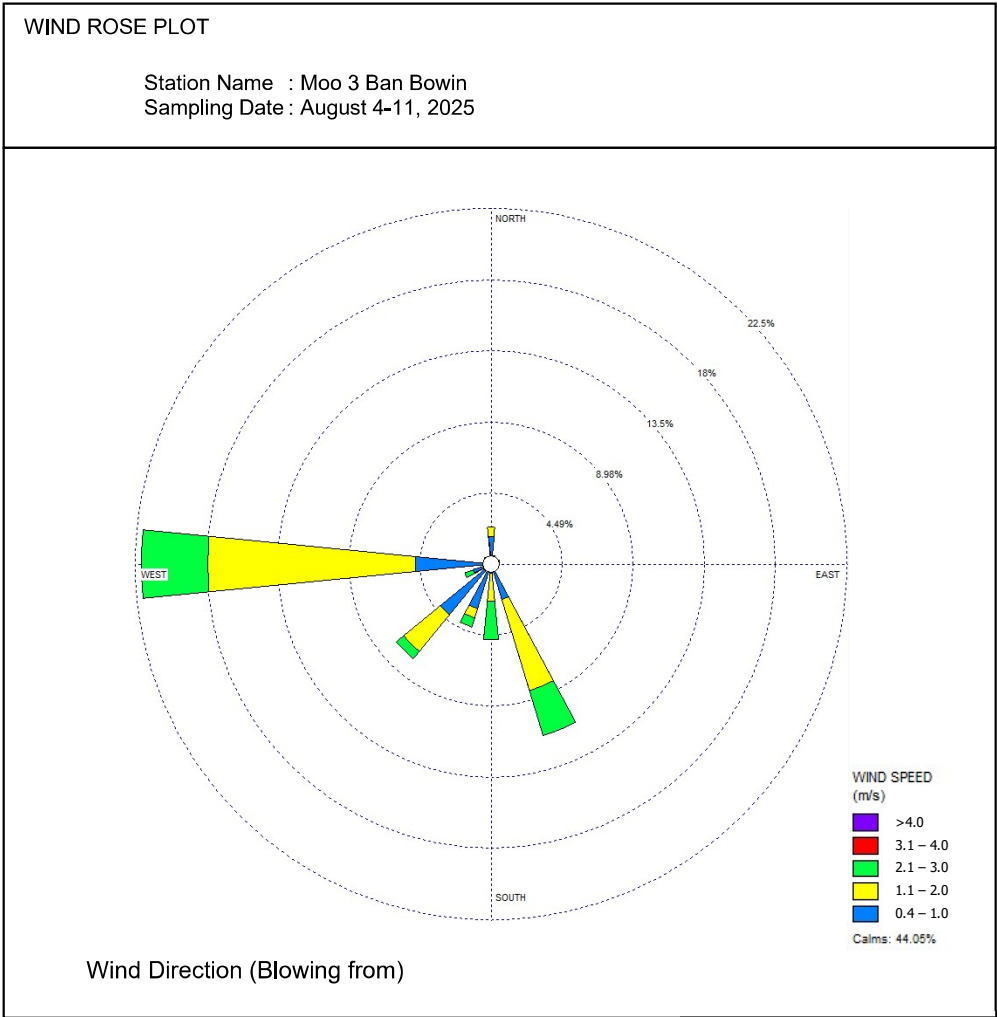


Report No. : 2025-500005113 / 003-2 (Page 6 of 6) Issued date : August 26, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : Moo 3 Ban Bowin
SAMPLING DATE : August 4-11, 2025
SAMPLING BY : [Redacted]



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SGS (THAILAND) LIMITED



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ระดับเสียง



Report No.

: 2025-500005113 / 004-1 (Page 1 of 1)

Issued date

: August 28, 2025

CLIENT

: GLOW SPP 11 COMPANY LIMITED

ADDRESS

: 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140

PROJECT LOCATION

: Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS

: Ambient Noise Level

MEASUREMENT DATE

: August 4-9, 2025

MEASUREMENT LOCATION

: North fence

MEASURED BY

:

CALIBRATION DATA

: Calibrator Model CR:515, Cirrus, Serial No. 88373

Calibration Value Reference

: 94.0 dB(A), Pre Cal. : 94.0 dB(A), Post Cal. : 94.0 dB(A)

SOUND LEVEL METER NO.

: Model : NL-53, RION, Serial No. 00452072

| Time | Noise Level [dB(A)] | | | | | | | | | Standard ^{1/, 2/} |
|-------------|---------------------|-------|------|------------------|------|------|------------------|------|------|----------------------------|
| | August 4-5, 2025 | | | August 5-6, 2025 | | | August 6-7, 2025 | | | |
| | Leq 1 hr | Lmax | L90 | Leq 1 hr | Lmax | L90 | Leq 1 hr | Lmax | L90 | |
| 12:00-13:00 | 64.8 | 67.9 | 64.6 | 64.7 | 68.2 | 64.4 | 64.7 | 74.4 | 64.5 | - |
| 13:00-14:00 | 79.7 | 105.3 | 64.8 | 65.2 | 82.5 | 64.7 | 65.5 | 88.3 | 64.8 | |
| 14:00-15:00 | 64.8 | 67.1 | 64.7 | 64.8 | 72.9 | 64.6 | 65.2 | 71.7 | 64.7 | |
| 15:00-16:00 | 65.0 | 76.5 | 64.8 | 64.8 | 78.5 | 64.6 | 64.9 | 68.9 | 64.7 | |
| 16:00-17:00 | 65.1 | 77.8 | 64.9 | 64.9 | 81.7 | 64.6 | 65.0 | 80.8 | 64.7 | |
| 17:00-18:00 | 65.1 | 68.8 | 64.9 | 64.8 | 72.2 | 64.6 | 65.1 | 68.3 | 64.9 | |
| 18:00-19:00 | 65.1 | 74.5 | 64.9 | 65.1 | 78.0 | 64.9 | 65.2 | 71.8 | 65.0 | |
| 19:00-20:00 | 65.2 | 74.0 | 65.1 | 65.0 | 67.5 | 64.9 | 65.2 | 72.3 | 65.0 | |
| 20:00-21:00 | 65.3 | 71.3 | 65.1 | 65.0 | 65.9 | 64.9 | 65.1 | 66.5 | 65.0 | |
| 21:00-22:00 | 65.3 | 66.7 | 65.2 | 65.1 | 66.8 | 65.0 | 65.4 | 69.9 | 65.2 | |
| 22:00-23:00 | 65.4 | 66.7 | 65.2 | 65.2 | 66.1 | 65.1 | 66.1 | 70.8 | 65.5 | |
| 23:00-00:00 | 65.6 | 68.1 | 65.3 | 65.1 | 68.6 | 65.0 | 65.7 | 69.9 | 65.4 | |
| 00:00-01:00 | 65.2 | 66.7 | 65.0 | 65.0 | 66.1 | 64.9 | 64.9 | 66.0 | 64.7 | |
| 01:00-02:00 | 64.9 | 69.0 | 64.8 | 64.9 | 66.4 | 64.8 | 64.5 | 65.4 | 64.4 | |
| 02:00-03:00 | 64.7 | 65.5 | 64.6 | 65.0 | 66.1 | 64.8 | 64.4 | 65.4 | 64.3 | |
| 03:00-04:00 | 64.7 | 71.2 | 64.6 | 64.8 | 65.7 | 64.7 | 64.3 | 65.9 | 64.3 | |
| 04:00-05:00 | 64.7 | 69.8 | 64.6 | 64.8 | 66.9 | 64.7 | 64.5 | 65.5 | 64.4 | |
| 05:00-06:00 | 64.9 | 75.4 | 64.8 | 64.7 | 73.9 | 64.6 | 64.7 | 69.3 | 64.6 | |
| 06:00-07:00 | 65.3 | 72.0 | 65.1 | 64.7 | 67.6 | 64.6 | 64.7 | 71.5 | 64.6 | |
| 07:00-08:00 | 65.2 | 82.8 | 64.9 | 65.1 | 78.6 | 64.7 | 64.8 | 72.6 | 64.6 | |
| 08:00-09:00 | 65.0 | 77.4 | 64.7 | 65.3 | 81.5 | 65.1 | 65.3 | 87.0 | 64.7 | |
| 09:00-10:00 | 64.9 | 71.3 | 64.7 | 65.0 | 70.9 | 64.8 | 65.0 | 72.5 | 64.8 | |
| 10:00-11:00 | 64.9 | 72.6 | 64.6 | 64.9 | 73.4 | 64.7 | 65.0 | 74.1 | 64.8 | |
| 11:00-12:00 | 64.8 | 77.9 | 64.6 | 65.0 | 76.3 | 64.6 | 65.0 | 71.6 | 64.6 | |
| Leq 24 hr | 68.4 | - | - | 65.0 | - | - | 65.0 | - | - | 70 |
| Lmax | - | 105.3 | - | - | 82.5 | - | - | 88.3 | - | 115 |
| Ldn | 72.5 | - | - | 71.3 | - | - | 71.3 | - | - | - |
| L90 | - | - | 64.7 | - | - | 64.7 | - | - | 64.4 | - |

Sources :

^{1/}

Notification of the National Environment Board No.15, B.E. 2540 (1997).

^{2/}

Notification of Ministry of Industry regarding the Standard of Nuisance Noise and Noise Level from Factory, B.E. 2548.



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Report No. : 2025-500005113 / 004-2 (Page 1 of 1)

Issued date : August 28, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED

ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140

PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Ambient Noise Level

MEASUREMENT DATE : August 4-9, 2025

MEASUREMENT LOCATION : East fence

MEASURED BY : [REDACTED]

CALIBRATION DATA : Calibrator Model CR:515, Cirrus, Serial No. 88373

Calibration Value Reference: 94.0 dB(A), Pre Cal. : 94.0 dB(A), Post Cal. : 94.0 dB(A)

SOUND LEVEL METER NO. : Model : NL-52, RION, Serial No. 00710417

| Time | Noise Level [dB(A)] | | | | | | | | | Standard ^{1/, 2/} |
|-------------|---------------------|-------|------|------------------|------|------|------------------|------|------|----------------------------|
| | August 4-5, 2025 | | | August 5-6, 2025 | | | August 6-7, 2025 | | | |
| | Leq 1 hr | Lmax | L90 | Leq 1 hr | Lmax | L90 | Leq 1 hr | Lmax | L90 | |
| 12:00-13:00 | 58.0 | 74.2 | 57.3 | 58.1 | 76.9 | 57.6 | 59.0 | 72.9 | 57.9 | - |
| 13:00-14:00 | 79.2 | 104.1 | 57.3 | 58.3 | 75.7 | 57.5 | 58.6 | 71.5 | 58.2 | |
| 14:00-15:00 | 57.9 | 84.0 | 57.4 | 58.0 | 67.3 | 57.5 | 58.8 | 69.2 | 57.8 | |
| 15:00-16:00 | 58.1 | 71.1 | 57.5 | 58.5 | 79.3 | 57.8 | 58.7 | 70.1 | 58.3 | |
| 16:00-17:00 | 58.3 | 73.4 | 57.8 | 59.2 | 67.0 | 58.7 | 62.0 | 77.9 | 58.4 | |
| 17:00-18:00 | 58.4 | 70.7 | 57.7 | 59.1 | 70.4 | 58.5 | 60.0 | 75.9 | 59.3 | |
| 18:00-19:00 | 58.3 | 74.0 | 57.9 | 58.6 | 75.3 | 57.8 | 59.7 | 74.5 | 59.3 | |
| 19:00-20:00 | 59.2 | 78.1 | 58.2 | 58.5 | 72.6 | 58.1 | 60.0 | 70.3 | 59.6 | |
| 20:00-21:00 | 59.9 | 69.5 | 59.3 | 58.3 | 68.8 | 57.9 | 60.0 | 73.3 | 59.0 | |
| 21:00-22:00 | 59.6 | 66.6 | 59.3 | 58.6 | 77.1 | 58.1 | 60.0 | 67.7 | 59.2 | |
| 22:00-23:00 | 59.6 | 64.9 | 59.2 | 58.6 | 62.2 | 58.2 | 60.3 | 68.4 | 60.0 | |
| 23:00-00:00 | 59.8 | 65.6 | 59.5 | 58.6 | 65.2 | 58.1 | 60.0 | 72.0 | 59.7 | |
| 00:00-01:00 | 59.7 | 67.3 | 59.3 | 58.7 | 77.2 | 57.5 | 59.5 | 69.4 | 58.9 | |
| 01:00-02:00 | 59.4 | 65.0 | 59.1 | 57.5 | 71.6 | 56.9 | 59.5 | 64.2 | 59.1 | |
| 02:00-03:00 | 58.8 | 70.1 | 57.8 | 58.7 | 82.7 | 57.5 | 59.7 | 64.4 | 59.5 | |
| 03:00-04:00 | 57.6 | 63.1 | 57.2 | 58.3 | 70.2 | 57.8 | 59.8 | 65.0 | 59.4 | |
| 04:00-05:00 | 57.6 | 61.5 | 57.3 | 59.3 | 87.5 | 57.8 | 59.8 | 68.2 | 59.5 | |
| 05:00-06:00 | 57.6 | 62.2 | 57.4 | 58.8 | 74.6 | 58.0 | 59.7 | 67.2 | 59.2 | |
| 06:00-07:00 | 57.7 | 70.3 | 57.3 | 58.6 | 68.8 | 57.9 | 59.7 | 69.9 | 59.4 | |
| 07:00-08:00 | 58.0 | 69.8 | 57.6 | 58.4 | 71.5 | 57.6 | 60.4 | 75.0 | 59.5 | |
| 08:00-09:00 | 58.1 | 68.2 | 57.7 | 58.3 | 71.1 | 57.5 | 60.1 | 73.9 | 59.2 | |
| 09:00-10:00 | 58.2 | 67.9 | 57.6 | 58.1 | 67.3 | 57.5 | 59.6 | 72.9 | 59.1 | |
| 10:00-11:00 | 58.3 | 68.6 | 57.7 | 58.4 | 70.1 | 57.8 | 58.6 | 70.9 | 57.7 | |
| 11:00-12:00 | 58.1 | 70.7 | 57.6 | 59.3 | 73.9 | 58.5 | 58.0 | 70.0 | 57.6 | |
| Leq 24 hr | 66.2 | - | - | 58.6 | - | - | 59.7 | - | - | 70 |
| Lmax | - | 104.1 | - | - | 87.5 | - | - | 77.9 | - | 115 |
| Ldn | 68.2 | - | - | 65.0 | - | - | 66.2 | - | - | - |
| L90 | - | - | 57.5 | - | - | 57.6 | - | - | 58.3 | - |

Sources : ^{1/} Notification of the National Environment Board No.15, B.E. 2540 (1997).
^{2/} Notification of Ministry of Industry regarding the Standard of Nuisance Noise and Noise Level from Factory, B.E. 2548.

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SGS (THAILAND) LIMITED

[REDACTED]



Report No. : 2025-500005113 / 004-3 (Page 1 of 1)

Issued date : August 28, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED

ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140

PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Ambient Noise Level

MEASUREMENT DATE : August 4-9, 2025

MEASUREMENT LOCATION : South fence

MEASURED BY : [REDACTED]

CALIBRATION DATA : Calibrator Model CR:515, Cirrus, Serial No. 88373

Calibration Value Reference: 94.0 dB(A), Pre Cal. : 94.0 dB(A), Post Cal. : 94.0 dB(A)

SOUND LEVEL METER NO. : Model : NL-53, RION, Serial No. 00452077

| Time | Noise Level [dB(A)] | | | | | | | | | Standard ^{1/, 2/} |
|-------------|---------------------|------|------|------------------|------|------|------------------|------|------|----------------------------|
| | August 4-5, 2025 | | | August 5-6, 2025 | | | August 6-7, 2025 | | | |
| | Leq 1 hr | Lmax | L90 | Leq 1 hr | Lmax | L90 | Leq 1 hr | Lmax | L90 | |
| 12:00-13:00 | 68.7 | 87.8 | 68.5 | 68.4 | 87.5 | 68.2 | 68.6 | 87.6 | 68.3 | - |
| 13:00-14:00 | 69.4 | 88.4 | 69.0 | 69.3 | 88.7 | 69.0 | 69.4 | 88.9 | 69.0 | |
| 14:00-15:00 | 69.2 | 87.9 | 69.0 | 69.0 | 88.7 | 68.8 | 69.1 | 87.6 | 68.9 | |
| 15:00-16:00 | 69.2 | 89.4 | 69.0 | 69.1 | 88.5 | 68.9 | 69.8 | 91.6 | 68.9 | |
| 16:00-17:00 | 69.1 | 87.7 | 68.9 | 69.2 | 87.7 | 68.9 | 69.0 | 88.3 | 68.8 | |
| 17:00-18:00 | 69.6 | 90.7 | 69.0 | 69.7 | 91.1 | 69.1 | 69.5 | 93.6 | 68.9 | |
| 18:00-19:00 | 69.2 | 87.8 | 69.0 | 69.1 | 88.0 | 69.0 | 69.2 | 89.2 | 68.9 | |
| 19:00-20:00 | 69.2 | 88.6 | 68.9 | 69.3 | 90.0 | 69.0 | 69.4 | 90.7 | 68.9 | |
| 20:00-21:00 | 69.0 | 90.1 | 68.8 | 69.2 | 90.6 | 68.9 | 69.0 | 89.4 | 68.8 | |
| 21:00-22:00 | 68.9 | 87.6 | 68.7 | 69.0 | 89.0 | 68.8 | 69.1 | 87.5 | 68.9 | |
| 22:00-23:00 | 68.9 | 86.9 | 68.9 | 69.0 | 88.1 | 68.9 | 69.4 | 87.6 | 69.2 | |
| 23:00-00:00 | 68.9 | 87.1 | 68.5 | 68.9 | 87.2 | 68.4 | 69.2 | 87.4 | 68.5 | |
| 00:00-01:00 | 68.5 | 86.5 | 68.4 | 68.4 | 86.5 | 68.3 | 68.6 | 86.6 | 68.5 | |
| 01:00-02:00 | 68.7 | 87.4 | 68.6 | 68.6 | 87.3 | 68.5 | 68.7 | 86.6 | 68.6 | |
| 02:00-03:00 | 68.7 | 86.6 | 68.6 | 68.6 | 86.8 | 68.5 | 68.7 | 86.7 | 68.6 | |
| 03:00-04:00 | 68.8 | 87.3 | 68.8 | 68.7 | 86.6 | 68.7 | 68.8 | 88.1 | 68.7 | |
| 04:00-05:00 | 68.8 | 88.1 | 68.6 | 68.6 | 87.6 | 68.5 | 68.9 | 87.7 | 68.7 | |
| 05:00-06:00 | 68.9 | 89.4 | 68.7 | 68.6 | 88.6 | 68.4 | 69.0 | 91.5 | 68.6 | |
| 06:00-07:00 | 69.0 | 88.1 | 68.8 | 68.8 | 87.8 | 68.5 | 68.9 | 89.2 | 68.6 | |
| 07:00-08:00 | 69.5 | 89.4 | 68.9 | 69.5 | 88.9 | 68.7 | 69.5 | 90.1 | 68.7 | |
| 08:00-09:00 | 69.0 | 88.9 | 68.6 | 69.0 | 90.0 | 68.6 | 68.8 | 88.7 | 68.5 | |
| 09:00-10:00 | 69.7 | 88.4 | 69.3 | 69.5 | 88.1 | 69.3 | 69.2 | 88.6 | 68.9 | |
| 10:00-11:00 | 69.5 | 88.3 | 69.2 | 69.5 | 89.4 | 69.2 | 69.3 | 87.8 | 69.1 | |
| 11:00-12:00 | 69.4 | 92.1 | 68.4 | 69.3 | 89.1 | 68.4 | 69.3 | 89.6 | 68.5 | |
| Leq 24 hr | 69.1 | - | - | 69.0 | - | - | 69.1 | - | - | 70 |
| Lmax | - | 92.1 | - | - | 91.1 | - | - | 93.6 | - | 115 |
| Ldn | 75.3 | - | - | 75.2 | - | - | 75.4 | - | - | - |
| L90 | - | - | 68.6 | - | - | 68.5 | - | - | 68.6 | - |

Sources : ^{1/} Notification of the National Environment Board No.15, B.E. 2540 (1997).
^{2/} Notification of Ministry of Industry regarding the Standard of Nuisance Noise and Vibration from Factory, B.E. 2548.

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Report No.

: 2025-500005113 / 004-4 (Page 1 of 1)

Issued date

: August 28, 2025

CLIENT

: GLOW SPP 11 COMPANY LIMITED

ADDRESS

: 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140

PROJECT LOCATION

: Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS

: Ambient Noise Level

MEASUREMENT DATE

: August 4-9, 2025

MEASUREMENT LOCATION

: West fence

MEASURED BY

: [REDACTED]

CALIBRATION DATA

: Calibrator Model CR:515, Cirrus, Serial No. 88373

Calibration Value Reference

: 94.0 dB(A), Pre Cal. : 94.0 dB(A), Post Cal. : 94.0 dB(A)

SOUND LEVEL METER NO.

: Model : NL-53, RION, Serial No. 00452078

| Time | Noise Level [dB(A)] | | | | | | | | | Standard ^{1/, 2/} |
|-------------|---------------------|------|------|------------------|------|------|------------------|-------|------|----------------------------|
| | August 4-5, 2025 | | | August 5-6, 2025 | | | August 6-7, 2025 | | | |
| | Leq 1 hr | Lmax | L90 | Leq 1 hr | Lmax | L90 | Leq 1 hr | Lmax | L90 | |
| 12:00-13:00 | 63.5 | 81.9 | 63.4 | 63.3 | 81.8 | 63.1 | 65.9 | 97.1 | 63.1 | - |
| 13:00-14:00 | 63.1 | 81.6 | 62.6 | 66.3 | 98.8 | 62.9 | 76.9 | 108.2 | 63.4 | |
| 14:00-15:00 | 62.7 | 81.7 | 62.5 | 62.8 | 81.5 | 62.5 | 64.3 | 88.1 | 62.8 | |
| 15:00-16:00 | 62.9 | 82.2 | 62.7 | 63.8 | 90.6 | 63.0 | 64.5 | 90.4 | 63.4 | |
| 16:00-17:00 | 63.6 | 85.3 | 62.8 | 63.7 | 83.0 | 63.2 | 64.1 | 83.8 | 63.5 | |
| 17:00-18:00 | 63.6 | 81.8 | 63.3 | 63.4 | 82.0 | 63.3 | 63.9 | 84.3 | 63.6 | |
| 18:00-19:00 | 63.9 | 82.2 | 63.6 | 63.6 | 82.1 | 63.3 | 63.8 | 82.5 | 63.5 | |
| 19:00-20:00 | 63.8 | 84.1 | 63.4 | 63.5 | 82.0 | 63.3 | 63.6 | 82.2 | 63.4 | |
| 20:00-21:00 | 63.5 | 81.5 | 63.3 | 63.5 | 82.0 | 63.4 | 63.3 | 81.3 | 63.2 | |
| 21:00-22:00 | 63.5 | 82.0 | 63.4 | 63.5 | 83.2 | 63.3 | 64.1 | 83.3 | 63.5 | |
| 22:00-23:00 | 63.5 | 81.4 | 63.5 | 63.4 | 81.5 | 63.3 | 63.5 | 81.7 | 63.4 | |
| 23:00-00:00 | 64.0 | 81.9 | 63.8 | 63.6 | 81.6 | 63.5 | 64.0 | 82.0 | 63.8 | |
| 00:00-01:00 | 64.0 | 81.9 | 63.9 | 63.7 | 81.9 | 63.6 | 63.7 | 81.8 | 63.6 | |
| 01:00-02:00 | 64.0 | 81.9 | 63.9 | 63.6 | 81.6 | 63.4 | 63.8 | 81.8 | 63.7 | |
| 02:00-03:00 | 64.2 | 82.6 | 64.0 | 63.7 | 81.8 | 63.5 | 63.8 | 82.0 | 63.7 | |
| 03:00-04:00 | 64.1 | 82.1 | 64.0 | 63.6 | 81.6 | 63.5 | 63.9 | 82.1 | 63.7 | |
| 04:00-05:00 | 64.2 | 82.7 | 64.0 | 63.7 | 82.2 | 63.5 | 64.3 | 82.9 | 64.1 | |
| 05:00-06:00 | 64.2 | 82.7 | 64.1 | 63.7 | 82.2 | 63.6 | 64.0 | 82.5 | 63.8 | |
| 06:00-07:00 | 64.3 | 83.1 | 64.0 | 63.8 | 82.8 | 63.5 | 64.3 | 84.8 | 64.0 | |
| 07:00-08:00 | 64.4 | 83.5 | 63.9 | 64.1 | 83.7 | 63.6 | 64.4 | 84.5 | 64.0 | |
| 08:00-09:00 | 64.1 | 84.9 | 63.7 | 63.5 | 81.9 | 63.2 | 64.3 | 85.3 | 63.8 | |
| 09:00-10:00 | 63.7 | 84.6 | 63.4 | 63.5 | 81.9 | 63.4 | 64.0 | 83.5 | 63.6 | |
| 10:00-11:00 | 63.5 | 82.0 | 63.3 | 63.3 | 81.7 | 63.1 | 63.6 | 82.2 | 63.4 | |
| 11:00-12:00 | 63.3 | 81.4 | 63.1 | 63.1 | 82.4 | 62.8 | 64.7 | 91.1 | 63.6 | |
| Leq 24 hr | 63.7 | - | - | 63.7 | - | - | 66.5 | - | - | 70 |
| Lmax | - | 85.3 | - | - | 98.8 | - | - | 108.2 | - | 115 |
| Ldn | 70.4 | - | - | 70.1 | - | - | 71.1 | - | - | - |
| L90 | - | - | 63.0 | - | - | 63.1 | - | - | 63.4 | - |

Sources :

^{1/}

Notification of the National Environment Board No.15, B.E. 2540 (1997).

^{2/}

Notification of Ministry of Industry regarding the Standard of Nuisance Noise and Noise Level from Factory, B.E. 2548.



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Report No. : 2025-500005113-3 / 001-4 (Page 3 of 3) **Issued date** : September 1, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED

ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140

PROJECT LOCATION: Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Workplace Noise Level **MEASUREMENT DATE** : August 22, 2025

MEASUREMENT LOCATION : Control room **MEASURED BY** : Nuttawat Sirichoti

CALIBRATION DATA : Model CR:515, Cirrus, Serial No. 88336
Calibration Value Reference: 94.0 dB(A), Pre Cal. : 94.0 dB(A), Post Cal. : 94.0 dB(A)

SOUND LEVEL METER NO. : Model NL-53, Rion, Serial No. 00452074

| Period | Noise Level [dB(A)] | Standard ^{1/} |
|-------------|---------------------|------------------------|
| 07:30-08:30 | 62.7 | - |
| 08:30-09:30 | 71.2 | |
| 09:30-10:30 | 61.2 | |
| 10:30-11:30 | 61.4 | |
| 11:30-12:30 | 61.1 | |
| 12:30-13:30 | 60.9 | |
| 13:30-14:30 | 61.3 | |
| 14:30-15:30 | 61.5 | |
| Leq 8 hrs | 64.6 | 90 |
| Lmax | 88.8 | 140 |

Source : ^{1/} Notification of the Ministry of Industry, Subjected “Safety Protection Measure for Industry about Working Condition”, dated December 3, B.E. 2546 (2003).



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Report No. : 2025-500005644-2 / 002-1 (Page 1 of 1)

Issued date : December 4, 2025

Client : GLOW SPP 11 COMPANY LIMITED

Address : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140

Project Location : Glow SPP 11 Phase 2, Rayong

Analysis Report

Sample Type : Workplace Noise Level

Measurement Location : Control Room

Calibrator Data : Model CAL200, Larson Davis, Serial No. 22705
Calibration Value Reference: 93.9 dB(A), Pre Cal. : 93.8 dB(A), Post Cal. : 93.7 dB(A)

Sound Level Meter : Model ST-21D, Scarlet, Serial No. 820445

Measurement Date : November 13, 2025

Measured By :

| Period | Noise Level [dB(A)] | Standard ^{1/} |
|---------------|---------------------|------------------------|
| 15:00 - 16:00 | 60.8 | - |
| 16:00 - 17:00 | 61.4 | |
| 17:00 - 18:00 | 61.8 | |
| 18:00 - 19:00 | 61.2 | |
| 19:00 - 20:00 | 62.9 | |
| 20:00 - 21:00 | 61.0 | |
| 21:00 - 22:00 | 66.5 | |
| 22:00 - 23:00 | 67.1 | |
| Leq 8 hrs | 63.6 | 90 |
| Lmax | 92.0 | 140 |

Source : ^{1/} Notification of the Ministry of Industry, Subjected “Safety Protection Measure for Industry about Working Condition”, dated December 3, B.E. 2546 (2003).

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Report No. : 2025-500004868-2 / 001-1 (Page 1 of 2) Issued date : August 07, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Wastewater Quality
SAMPLING METHOD : Grab Sampling
SAMPLING LOCATION : Waste Holding Pond
SAMPLING BY : [Redacted] -197-9-0002)
LABORATORY NAME : SGS (Thailand) Limited (9-197)
SAMPLING DATE : July 29, 2025
SAMPLING TIME : 13:30 hr.

| Parameter | Unit | Method | Result | Standard ^{1/} |
|---------------------------------|------|--------------------------------|---------|------------------------|
| pH | - | APHA, 4500-H ⁺ B | 7.9 | 5.5-9.0 |
| Temperature* | C° | APHA, 2550B (on site) | 34.3 | 45 |
| Biochemical Oxygen Demand (BOD) | mg/L | APHA, 4500-O G and part 5210 B | <2 | 500 |
| Total Suspended Solids (TSS) | mg/L | APHA, 2540 D | 5.0 | 200 |
| Oil and Grease | mg/L | APHA, 5520 B | <2 | 10 |
| Mercury (Hg) | mg/L | APHA, 3112 B | <0.0005 | 0.005 |
| Cadmium (Cd) | mg/L | APHA, 3125 B | 0.0002 | 0.03 |
| Lead (Pb) | mg/L | APHA, 3125 B | <0.0002 | 0.2 |

Remarks: * Under Inspection Body's accredited scope.
- Analytical Methods followed to Standard Methods for the Examination of Water and Wastewater, recommended by APHA, AWWA&WEF 24th ed., 2023.
Sources: ^{1/} Wastewater Quality from factory discharge to central wastewater treatment plant of Siam Eastern Industrial Park

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Report No. : 2025-500004868-2 / 001-1 (Page 2 of 2) Issued date : August 07, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Wastewater Quality
SAMPLING METHOD : Grab Sampling
SAMPLING LOCATION : Waste Holding Pond
SAMPLING BY :
LABORATORY NAME : SGS (Thailand) Limited

SAMPLING DATE : July 29, 2025
SAMPLING TIME : 13:30 hr.

| Parameter | Unit | Method | Result | Standard ^{1/} |
|---------------|-------|------------------|--------|------------------------|
| Flow Rate | m³/hr | - | 15.0 | - |
| Conductivity | µS/cm | APHA, 2510 B | 1,140 | - |
| Free Chlorine | mg/L | Photometric, DPD | 0.02 | 1 |

Remark: - Analytical Methods followed to Standard Methods for the Examination of Water and Wastewater, recommended by APHA, AWWA&WEF 24th ed., 2023.
Sources: ^{1/} Wastewater Quality from factory discharge to central wastewater treatment plant of Siam Eastern Industrial Park

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Report No. : 2025-500005113-2 / 001-1 (Page 1 of 2) Issued date : August 19, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Wastewater Quality
SAMPLING METHOD : Grab Sampling
SAMPLING LOCATION : Waste Holding Pond
SAMPLING BY : [REDACTED] (๓-197-๙-0002)
LABORATORY NAME : SGS (Thailand) Limited (๓-197)
SAMPLING DATE : August 7, 2025
SAMPLING TIME : 11:24 hr.

| Parameter | Unit | Method | Result | Standard ^{1/} |
|---------------------------------|------|--------------------------------|---------|------------------------|
| pH | - | APHA, 4500-H ⁺ B | 7.5 | 5.5-9.0 |
| Temperature* | C° | APHA, 2550B (on site) | 33.8 | 45 |
| Biochemical Oxygen Demand (BOD) | mg/L | APHA, 4500-O G and part 5210 B | 4 | 500 |
| Total Suspended Solids (TSS) | mg/L | APHA, 2540 D | 3.7 | 200 |
| Oil and Grease | mg/L | APHA, 5520 B | <2 | 10 |
| Mercury (Hg) | mg/L | APHA, 3112 B | <0.0005 | 0.005 |
| Cadmium (Cd) | mg/L | APHA, 3125 B | <0.0001 | 0.03 |
| Lead (Pb) | mg/L | APHA, 3125 B | 0.0025 | 0.2 |

Remarks: * Under Inspection Body's accredited scope.
- Analytical Methods followed to Standard Methods for the Examination of Water and Wastewater, recommended by APHA, AWWA&WEF 24th ed., 2023.
Sources: ^{1/} Wastewater Quality from factory discharge to central wastewater treatment plant of Siam Eastern Industrial Park

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Report No. : 2025-500005113-2 / 001-1 (Page 2 of 2) Issued date : August 19, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Wastewater Quality
SAMPLING METHOD : Grab Sampling
SAMPLING LOCATION : Waste Holding Pond
SAMPLING BY : 
LABORATORY NAME : SGS (Thailand) Limited

SAMPLING DATE : August 7, 2025
SAMPLING TIME : 11:24 hr.

| Parameter | Unit | Method | Result | Standard ^{1/} |
|---------------|--------------------|------------------|--------|------------------------|
| Flow Rate | m ³ /hr | - | 20.0 | - |
| Conductivity | µS/cm | APHA, 2510 B | 1,628 | - |
| Free Chlorine | mg/L | Photometric, DPD | <0.01 | 1 |

Remark: - Analytical Methods followed to Standard Methods for the Examination of Water and Wastewater, recommended by APHA, AWWA&WEF 24th ed., 2023.
Sources: ^{1/} Wastewater Quality from factory discharge to central wastewater treatment plant of Siam Eastern Industrial Park

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Report No. : 2025-500005368 / 001-1 (Page 1 of 2) Issued date : September 22, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Wastewater Quality
SAMPLING METHOD : Grab Sampling
SAMPLING LOCATION : Waste Holding Pond
SAMPLING BY : [Redacted] (๑-197-๑-0002)
LABORATORY NAME : SGS (Thailand) Limited (๑-197)
SAMPLING DATE : September 11, 2025
SAMPLING TIME : 15:20 hr.

| Parameter | Unit | Method | Result | Standard ^{1/} |
|---------------------------------|------|--------------------------------|---------|------------------------|
| pH | - | APHA, 4500-H ⁺ B | 7.8 | 5.5-9.0 |
| Temperature* | C° | APHA, 2550B (on site) | 32.1 | 45 |
| Biochemical Oxygen Demand (BOD) | mg/L | APHA, 4500-O G and part 5210 B | 3 | 500 |
| Total Suspended Solids (TSS) | mg/L | APHA, 2540 D | 6.4 | 200 |
| Oil and Grease | mg/L | APHA, 5520 B | <2 | 10 |
| Mercury (Hg) | mg/L | APHA, 3112 B | <0.0005 | 0.005 |
| Cadmium (Cd) | mg/L | APHA, 3125 B | <0.0001 | 0.03 |
| Lead (Pb) | mg/L | APHA, 3125 B | <0.0002 | 0.2 |

Remarks: * Under Inspection Body's accredited scope.
- Analytical Methods followed to Standard Methods for the Examination of Water and Wastewater, recommended by APHA, AWWA&WEF 24th ed., 2023.
Sources: ^{1/} Wastewater Quality from factory discharge to central wastewater treatment plant of Siam Eastern Industrial Park

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Report No. : 2025-500005368 / 001-1 (Page 2 of 2) Issued date : September 22, 2025

CLIENT : GLOW SPP 11 COMPANY LIMITED
ADDRESS : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140
PROJECT LOCATION : Glow SPP 11 Phase 2, Rayong

Analysis Report

SAMPLE DESIGNATED AS : Wastewater Quality
SAMPLING METHOD : Grab Sampling
SAMPLING LOCATION : Waste Holding Pond
SAMPLING BY : [REDACTED]
LABORATORY NAME : [REDACTED]

SAMPLING DATE : September 11, 2025
SAMPLING TIME : 15:20 hr.

| Parameter | Unit | Method | Result | Standard ^{1/} |
|---------------|--------------------|------------------|--------|------------------------|
| Flow Rate | m ³ /hr | - | 46.5 | - |
| Conductivity | µS/cm | APHA, 2510 B | 1,564 | - |
| Free Chlorine | mg/L | Photometric, DPD | 0.01 | 1 |

Remark: - Analytical Methods followed to Standard Methods for the Examination of Water and Wastewater, recommended by APHA, AWWA&WEF 24th ed., 2023.
Sources: ^{1/} Wastewater Quality from factory discharge to central wastewater treatment plant of Siam Eastern Industrial Park

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Report No. : 2025-500005644 / 001-1 (Page 1 of 2)

Client : GLOW SPP 11 COMPANY LIMITED

Address : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140

Project Location : Glow SPP 11 Phase 2, Rayong

Issued date: October 22, 2025

Analysis Report

Sample Type : Wastewater

Sampling Location : Waste Holding Pond

Sampling By : ██████████-197-๓-0002)

Laboratory Name : SGS (Thailand) Limited (๓-197)

Sample Condition : sample is clear, odorless and little sediment.

Sampling Date : October 2, 2025

Sampling Time : 10:50 hr.

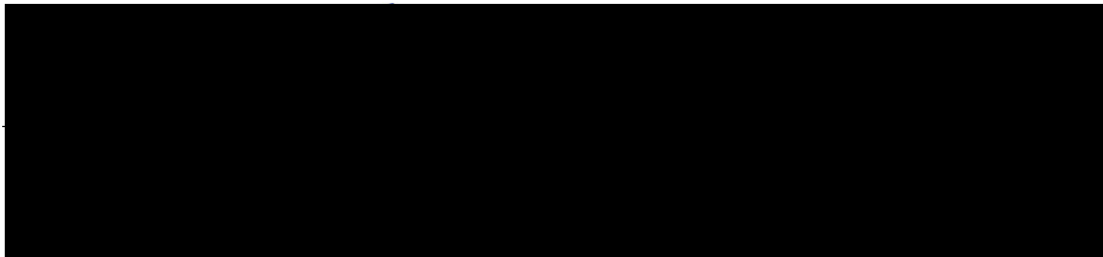
Received Date : October 2, 2025

Analysis Date : October 2-15, 2025

| Parameter | Unit | Method | Result | Standard ^{1/} |
|---------------------------------|------|-----------------------------|---------|------------------------|
| pH | - | SM 4500-H ⁺ B | 7.9 | 5.5-9.0 |
| Temperature* | C° | SM 2550B (on site) | 35.7 | 45 |
| Biochemical Oxygen Demand (BOD) | mg/L | SM 4500-O G and part 5210 B | <2 | 500 |
| Total Suspended Solids (TSS) | mg/L | SM 2540 D | 3.5 | 200 |
| Oil and Grease | mg/L | SM 5520 B | <2 | 10 |
| Mercury (Hg) | mg/L | SM 3112 B | <0.0005 | 0.005 |
| Cadmium (Cd) | mg/L | SM 3125 B | <0.0001 | 0.03 |
| Lead (Pb) | mg/L | SM 3125 B | 0.0008 | 0.2 |

Remarks: * Under Inspection Body's accredited scope.
- SM = Standard Methods for the Examination of Water and Wastewater recommended by APHA, AWWA&WEF 24th ed., 2023.
Source: ^{1/}Wastewater Quality from factory discharge to central wastewater treatment plant of Siam Eastern Industrial Park7, B.E. 2560 (2017).

Reviewed by



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SGS (THAILAND) LIMITED



LABORATORY ADDRESS: 1/209, and 1/211 Moo1, Soi Sukhumvit 2, Banchang, Banchang, Rayong, 21130

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Report No. : 2025-500005644 / 001-1 (Page 2 of 2)

Client : GLOW SPP 11 COMPANY LIMITED

Address : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140

Project Location : Glow SPP 11 Phase 2, Rayong

Issued date: October 22, 2025

Analysis Report

Sample Type : Wastewater

Sampling Location : Waste Holding Pond

Sampling By : [REDACTED]

Laboratory Name : SGS (Thailand) Limited

Sample Condition : sample is clear, odorless and little sediment.

Sampling Date : October 2, 2025

Sampling Time : 10:50 hr.

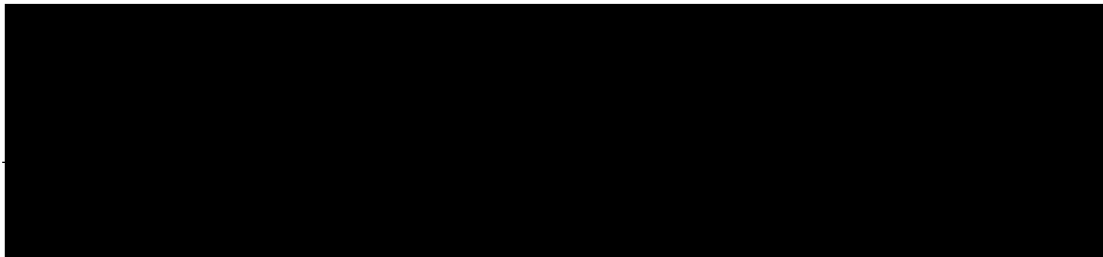
Received Date : October 2, 2025

Analysis Date : October 2-15, 2025

| Parameter | Unit | Method | Result | Standard ^{1/} |
|---------------|--------------------|------------------|--------|------------------------|
| Flow Rate | m ³ /hr | - | 40.3 | - |
| Conductivity | µS/cm | SM 2510 B | 1,241 | - |
| Free Chlorine | mg/L | Photometric, DPD | 0.01 | 1 |

Remarks: * Under Inspection Body's accredited scope.
- SM = Standard Methods for the Examination of Water and Wastewater recommended by APHA, AWWA&WEF 24th ed., 2023.
Source: ^{1/}Wastewater Quality from factory discharge to central wastewater treatment plant of Siam Eastern Industrial Park7, B.E. 2560 (2017).

Reviewed by



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SGS (THAILAND) LIMITED



LABORATORY ADDRESS: 1/209, and 1/211 Moo1, Soi Sukhumvit 2, Banchang, Banchang, Rayong, 21130

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Report No. : 2025-500005644-2 / 001-1 (Page 1 of 2)

Client : GLOW SPP 11 COMPANY LIMITED

Address : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140

Project Location : Glow SPP 11 Phase 2, Rayong

Issued date: November 28, 2025

Analysis Report

Sample Type : Wastewater

Sampling Location : Waste Holding Pond

Sampling By : ██████████ k (๖-009-๖-0020)

Laboratory Name : SGS (Thailand) Limited (๖-197)

Sample Condition : Pale yellow, odorless with sediment.

Sampling Date : November 13, 2025

Sampling Time : 14:40 hr.

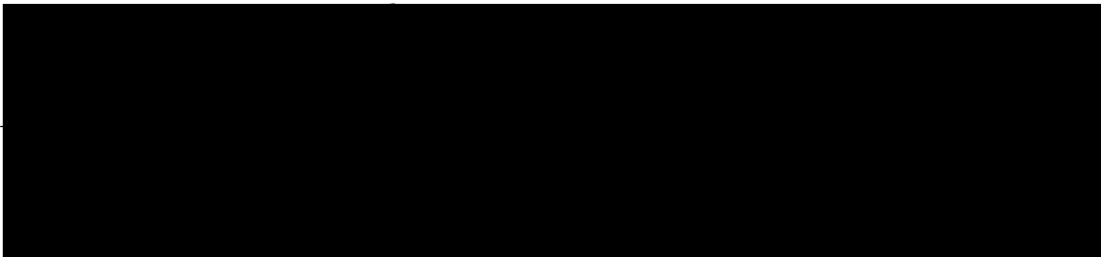
Received Date : November 17, 2025

Analysis Date : November 17-25, 2025

| Parameter | Unit | Method | Result | Standard ^{1/} |
|---------------------------------|------|-----------------------------|---------|------------------------|
| pH | - | SM 4500-H ⁺ B | 7.5 | 5.5-9.0 |
| Temperature* | C° | SM 2550B (on site) | 31.5 | 45 |
| Biochemical Oxygen Demand (BOD) | mg/L | SM 4500-O G and part 5210 B | 2.1 | 500 |
| Total Suspended Solids (TSS) | mg/L | SM 2540 D | 26 | 200 |
| Oil and Grease | mg/L | SM 5520 B | <2 | 10 |
| Mercury (Hg) | mg/L | SM 3112 B | <0.0005 | 0.005 |
| Cadmium (Cd) | mg/L | SM 3125 B | 0.0001 | 0.03 |
| Lead (Pb) | mg/L | SM 3125 B | 0.0009 | 0.2 |

Remarks: * Under Inspection Body's accredited scope.
- SM = Standard Methods for the Examination of Water and Wastewater recommended by APHA, AWWA&WEF 24th ed., 2023.
Source: ^{1/}Wastewater Quality from factory discharge to central wastewater treatment plant of Siam Eastern Industrial Park7, B.E. 2560 (2017).

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Report No.

: 2025-500005644-2 / 001-1 (Page 2 of 2)

Client

: GLOW SPP 11 COMPANY LIMITED

Address

: 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140

Project Location

: Glow SPP 11 Phase 2, Rayong

Issued date:

November 28, 2025

Analysis Report

Sample Type

: Wastewater

Sampling Location

: Waste Holding Pond

Sampling By

: [REDACTED] k

Laboratory Name

: SGS (Thailand) Limited

Sample Condition

: Pale yellow, odorless with sediment.

Sampling Date

: November 13, 2025

Sampling Time

: 14:40 hr.

Received Date

: November 17, 2025

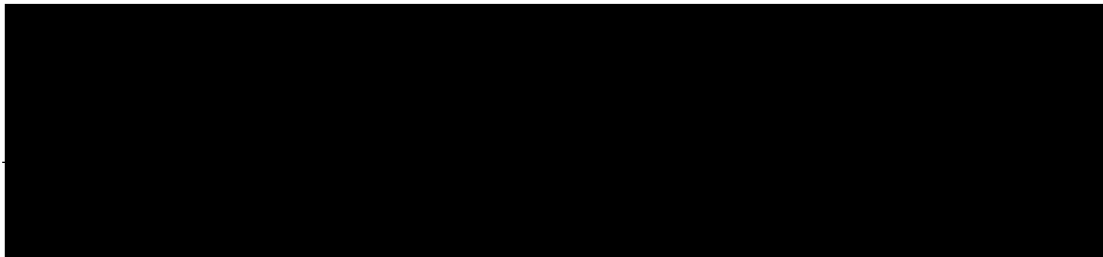
Analysis Date

: November 17-25, 2025

| Parameter | Unit | Method | Result | Standard ^{1/} |
|---------------|--------------------|------------------|--------|------------------------|
| Flow Rate | m ³ /hr | - | 20.0 | - |
| Conductivity | µS/cm | SM 2510 B | 1,967 | - |
| Free Chlorine | mg/L | Photometric, DPD | 0.02 | 1 |

Remarks: * Under Inspection Body's accredited scope.
- SM = Standard Methods for the Examination of Water and Wastewater recommended by APHA, AWWA&WEF 24th ed., 2023.
Source: ^{1/}Wastewater Quality from factory discharge to central wastewater treatment plant of Siam Eastern Industrial Park7, B.E. 2560 (2017).

Reviewed by



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SGS (THAILAND) LIMITED



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Report No. : 2025-500005644-3 / 001-1 (1) (Page 1 of 2)

Client : GLOW SPP 11 COMPANY LIMITED

Address : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140

Project Location : Glow SPP 11 Phase 2, Rayong

Issued date: January 7, 2026

Analysis Report

Sample Type : Wastewater

Sampling Location : Waste Holding Pond

Sampling By : [REDACTED] (จ-197-ค-0002)

Laboratory Name : SGS (Thailand) Limited (จ-197)

Sample Condition : Pale yellow, odorless with sediment.

Sampling Date : December 3, 2025

Sampling Time : 09:53 hr.

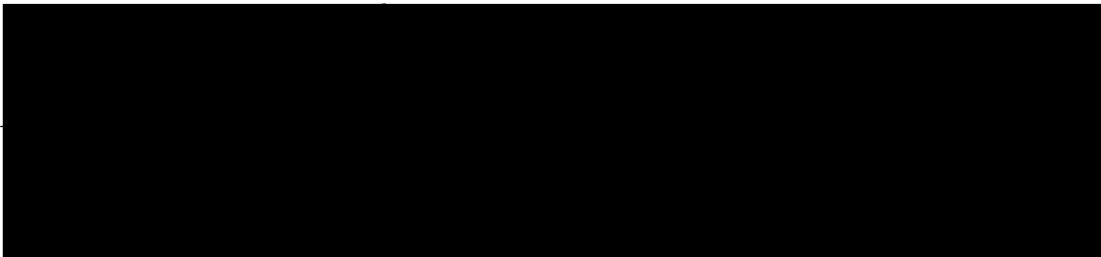
Received Date : December 4, 2025

Analysis Date : December 4-22, 2025

| Parameter | Unit | Method | Result | Standard ^{1/} |
|---------------------------------|------|-----------------------------|---------|------------------------|
| pH | - | SM 4500-H ⁺ B | 8.4 | 5.5-9.0 |
| Temperature* | C° | SM 2550B (on site) | 33.3 | 45 |
| Biochemical Oxygen Demand (BOD) | mg/L | SM 4500-O G and part 5210 B | <2.0 | 500 |
| Total Suspended Solids (TSS) | mg/L | SM 2540 D | 8.4 | 200 |
| Oil and Grease | mg/L | SM 5520 B | <1.0 | 10 |
| Mercury (Hg) | mg/L | SM 3112 B | <0.0005 | 0.005 |
| Cadmium (Cd) | mg/L | SM 3125 B | <0.0001 | 0.03 |
| Lead (Pb) | mg/L | SM 3125 B | 0.0009 | 0.2 |

Remarks: * Under Inspection Body's accredited scope.
- SM = Standard Methods for the Examination of Water and Wastewater recommended by APHA, AWWA&WEF 24th ed., 2023.
Source: ^{1/}Wastewater Quality from factory discharge to central wastewater treatment plant of Siam Eastern Industrial Park7, B.E. 2560 (2017).

Reviewed by



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SGS (THAILAND) LIMITED

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Report No. : 2025-500005644-3 / 001-1 (1) (Page 2 of 2)

Issued date: January 7, 2026

Client : GLOW SPP 11 COMPANY LIMITED

Address : 250 Moo 3, Siam Eastern Industrial Park, Mabyangporn, Pluak Daeng, Rayong, 21140

Project Location : Glow SPP 11 Phase 2, Rayong

Analysis Report

Sample Type : Wastewater

Sampling Location : Waste Holding Pond

Sampling By : [REDACTED]

Laboratory Name : SGS (Thailand) Limited

Sample Condition : Pale yellow, odorless with sediment.

Sampling Date : December 3, 2025

Sampling Time : 09:53 hr.

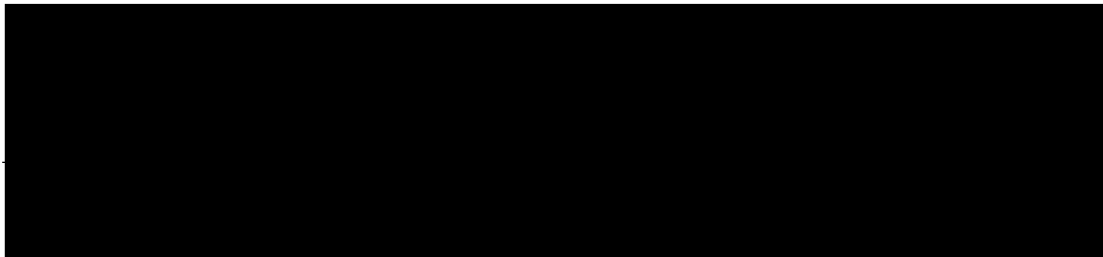
Received Date : December 4, 2025

Analysis Date : December 4-22, 2025

| Parameter | Unit | Method | Result | Standard ^{1/} |
|---------------|--------------------|------------------|--------|------------------------|
| Flow Rate | m ³ /hr | - | 28.25 | - |
| Conductivity | µS/cm | SM 2510 B | 1,066 | - |
| Free Chlorine | mg/L | Photometric, DPD | 0.06 | 1 |

Remarks: * Under Inspection Body's accredited scope.
- SM = Standard Methods for the Examination of Water and Wastewater recommended by APHA, AWWA&WEF 24th ed., 2023.
Source: ^{1/}Wastewater Quality from factory discharge to central wastewater treatment plant of Siam Eastern Industrial Park7, B.E. 2560 (2017).

Reviewed by



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SGS (THAILAND) LIMITED



LABORATORY ADDRESS: 1/209, and 1/211 Moo1, Soi Sukhumvit 2, Banchang, Banchang, Rayong, 21130

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