

ภาคผนวก ก

ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม

ภาคผนวก ก-1

ผลการติดตามตรวจสอบ
คุณภาพอากาศในบรรยากาศ



Report No.

: 2026-500006437-3 / 001-1 (Page 1 of 6)

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Issued date:

March 13, 2026

Analysis Report

Sample Type

: Ambient Air

Sampling Location

: โรงเรียนบ้านหนองแฟบ (ทม. มาบตาพุด)

Sampling By

Laboratory Name

: SGS (Thailand) Limited

Sampling Date

: February 23 - March 2, 2026

Coordination (UTM)

: 47P 0729841E, 1403327N

Received Date

: March 2, 2026

Analysis Date

: March 2-11, 2026

Sampling Date	TSP (µg/m³)	PM10 (µg/m³)
February 23-24, 2026	82.8	46.4
February 24-25, 2026	81.3	43.2
February 25-26, 2026	84.8	53.8
February 26-27, 2026	83.2	60.6
February 27-28, 2026	62.9	33.3
February 28-March 1, 2026	53.9	33.6
March 1-2, 2026	55.0	29.7
Standard ^{1/}	≤ 200	≤ 100

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 B.E. 2569 (2026), subjected "Ambient air standards", published in the Royal Government Gazette, Vol. 143, Part 20D, dated January 21, B.E. 2569 (2026).

TY/MM/SJS/SJS

LABORATORY ADDRESS: 1/209, and 1/211 Moo1, Soi Sukhum

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Report No. : 2026-500006437-3 / 001-1 (Page 2 of 6)

Issued date: March 13, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Ambient Air

Sampling Date : February 23 - March 2, 2026

Sampling Location : สถานีควบคุมมลพิษ (ม.ป.ต.พ.)

Coordination (UTM) : 47P 0729841E, 1403327N

Sampling By :

Time	NO ₂ Concentration (ppb)						
	Feb 23-24, 2026	Feb 24-25, 2026	Feb 25-26, 2026	Feb 26-27, 2026	Feb 27-28, 2026	Feb 28-Mar 1, 2026	Mar 1-2, 2026
14:00-15:00	15.4	10.4	6.7	4.6	4.6	3.2	4.7
15:00-16:00	10.1	10.6	6.2	4.8	4.5	5.9	8.0
16:00-17:00	2.9	8.8	6.2	5.3	5.1	5.2	9.9
17:00-18:00	10.9	7.5	6.6	5.2	4.5	3.6	10.3
18:00-19:00	7.1	7.5	6.6	5.3	8.1	4.2	5.2
19:00-20:00	6.6	7.2	6.6	5.4	10.1	5.4	8.1
20:00-21:00	6.9	7.0	6.3	4.9	10.6	5.8	9.9
21:00-22:00	8.2	7.6	6.3	5.6	10.0	6.6	10.1
22:00-23:00	8.2	6.4	5.6	4.6	8.4	9.6	8.0
23:00-00:00	10.1	6.3	5.5	4.7	4.7	5.4	5.1
00:00-01:00	10.5	5.7	5.0	4.7	4.1	6.7	4.4
01:00-02:00	10.3	6.5	4.9	4.8	4.2	7.9	4.2
02:00-03:00	10.5	5.7	4.3	4.0	3.5	9.3	5.7
03:00-04:00	10.1	6.2	4.6	4.0	3.4	6.0	5.8
04:00-05:00	9.5	5.9	4.3	4.1	3.3	5.9	7.4
05:00-06:00	9.5	6.0	4.5	3.8	2.8	3.6	6.4
06:00-07:00	9.5	6.2	4.3	4.0	2.7	10.4	3.5
07:00-08:00	11.9	6.7	4.5	4.0	2.8	8.8	4.5
08:00-09:00	12.1	9.7	4.6	4.8	4.3	7.7	4.6
09:00-10:00	11.8	10.2	7.7	6.3	3.9	5.2	4.6
10:00-11:00	11.5	11.1	7.7	4.2	3.2	5.1	4.5
11:00-12:00	11.4	6.8	5.7	4.7	6.4	8.6	6.1
12:00-13:00	11.8	6.7	5.4	4.7	6.3	9.2	8.4
13:00-14:00	12.6	6.4	4.9	4.4	3.6	9.1	4.5
1 hr.-Minimum	2.9	5.7	4.3	3.8	2.7	3.2	3.5
1 hr.-Maximum	15.4	11.1	7.7	6.3	10.6	10.4	10.3
Standard ¹⁾ (avg. 1 hr)	≤120						

Analytical Method: - Chemiluminescence Method.

Source: * The Notification of the National Environment Board B.E. 2569 (2026), subjected “Ambient air standards”, published in the Royal Government Gazette, Vol. 143, Part 20D, dated January 21, B.E. 2569 (2026).

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Report No.

: 2026-500006437-3 / 001-1 (Page 3 of 6)

Issued date:

March 13, 2026

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type

: Ambient Air

Sampling Location

: โรงเรียนบ้านหนองแพบ (ทม. มาบตาพุด)

Sampling Date

: February 23 - March 2, 2026

Coordination (UTM)

: 47P 0729841E, 1403327N

Sampling By

:

Time	SO ₂ Concentration (ppb)						
	Feb 23-24, 2026	Feb 24-25, 2026	Feb 25-26, 2026	Feb 26-27, 2026	Feb 27-28, 2026	Feb 28-Mar 1, 2026	Mar 1-2, 2026
14:00-15:00	2.6	1.2	2.5	2.4	1.6	1.8	1.9
15:00-16:00	2.4	2.3	1.6	2.2	1.7	1.9	1.6
16:00-17:00	1.7	2.4	1.6	2.3	1.5	1.8	2.5
17:00-18:00	1.4	1.5	2.6	1.3	1.7	1.8	2.4
18:00-19:00	1.9	1.5	2.4	1.2	1.5	3.0	2.4
19:00-20:00	2.3	1.4	2.4	1.4	1.7	2.8	2.1
20:00-21:00	1.3	2.4	1.6	2.3	1.6	2.0	2.2
21:00-22:00	1.5	2.5	1.2	2.3	1.4	1.8	2.2
22:00-23:00	1.7	1.6	1.2	2.4	1.6	1.8	1.5
23:00-00:00	1.9	1.6	1.3	2.4	1.6	1.8	1.5
00:00-01:00	1.7	2.3	1.6	3.4	1.7	2.9	1.6
01:00-02:00	1.4	2.3	2.6	3.6	2.4	3.1	1.6
02:00-03:00	1.4	1.2	2.6	3.8	1.6	2.1	1.2
03:00-04:00	2.6	1.5	1.8	3.5	1.6	1.8	1.3
04:00-05:00	2.4	2.0	2.5	3.3	1.2	1.9	2.4
05:00-06:00	2.3	1.7	1.8	2.5	1.4	2.6	2.4
06:00-07:00	1.4	1.6	2.7	2.5	1.6	2.7	2.2
07:00-08:00	1.7	1.8	2.7	2.6	1.5	2.9	2.5
08:00-09:00	1.9	1.8	1.6	2.5	2.6	1.8	2.1
09:00-10:00	1.5	2.6	1.7	2.9	2.9	2.0	2.3
10:00-11:00	1.6	2.5	2.7	2.8	2.9	1.9	2.3
11:00-12:00	1.6	2.5	1.4	1.5	4.1	1.5	1.5
12:00-13:00	1.4	2.6	1.4	1.6	3.2	1.7	1.5
13:00-14:00	1.3	1.7	2.4	1.6	3.1	1.8	1.4
1 hr.-Minimum	1.3	1.2	1.2	1.2	1.2	1.5	1.2
1 hr.-Maximum	2.6	2.6	2.7	3.8	4.1	3.1	2.5
avg. 24 hrs.	1.8	1.9	2.0	2.4	2.0	2.1	1.9
Standard ^{1/} (avg. 1 hr)	≤100						
Standard ^{1/} (avg. 24 hr)	≤50						

Analytical Method: - UV Fluorescence Method

Sources: ^{1/} The Notification of the National Environment Board B.E. 2569 (2026), subjected “Ambient air standards”, published in the Royal Government Gazette, Vol. 143, Part 20D, dated January 21, B.E. 2569 (2026).

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Report No.

: 2026-500006437-3 / 001-1 (Page 4 of 6)

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Issued date:

March 13, 2026

Analysis Report

Sample Type

: Ambient Air

Sampling Location

: โรงเรียนบ้านหนองแฟบ (ทม. มาบตาพุด)

Sampling By

Sampling Date

: February 23 - March 2, 2026

Coordination (UTM)

: 47P 0729841E, 1403327N

Time	Feb 23-24, 2026		Feb 24-25, 2026		Feb 25-26, 2026		Feb 26-27, 2026		Feb 27-28, 2026		Feb 28-Mar 1, 2026		Mar 1-2, 2026	
	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)
14:00-15:00	SSE	2.2	S	2.2	SW	1.8	SW	1.8	S	1.8	SSW	2.2	SSW	2.2
15:00-16:00	SE	2.2	S	1.8	SW	1.8	SSW	1.8	S	1.8	SW	2.2	SW	2.2
16:00-17:00	SE	2.2	SSW	2.2	WSW	1.8	SSW	1.8	SSW	1.8	SSW	1.8	SW	1.8
17:00-18:00	SE	2.2	SSW	2.2	WSW	1.3	SW	1.3	SSE	1.3	SSE	1.8	SSW	1.8
18:00-19:00	SSE	1.8	SSW	1.3	SW	0.9	SW	1.3	SE	1.8	SSE	1.8	SSE	1.3
19:00-20:00	SE	1.3	SSW	1.3	-	CALM	SSW	0.9	SE	1.3	SE	1.3	SE	0.9
20:00-21:00	S	1.3	SSW	1.3	-	CALM	SSW	1.3	SE	0.9	SE	1.3	SE	0.9
21:00-22:00	SE	1.3	SSW	1.3	SSW	0.9	SSW	0.9	SE	0.9	SE	1.3	S	0.9
22:00-23:00	SSE	0.9	SSW	1.3	S	0.9	SSW	0.9	SSW	0.9	S	0.9	-	CALM
23:00-00:00	SSE	1.3	SSW	1.3	SSW	0.9	SSW	1.3	SSW	0.9	S	0.9	SSW	0.9
00:00-01:00	SSE	1.3	SSW	1.3	SSW	0.9	SSW	1.3	S	1.3	S	1.3	SSW	0.9
01:00-02:00	SSE	1.3	SW	0.9	SSW	1.3	SW	1.3	SSW	1.3	SSW	1.3	SSW	1.3
02:00-03:00	SSE	1.3	SSW	1.3	SSW	0.9	WSW	0.9	S	1.3	SSW	1.3	SW	0.9
03:00-04:00	S	1.3	SW	0.9	-	CALM	SW	0.9	S	1.3	SW	1.8	SW	1.3
04:00-05:00	SSW	1.3	S	0.9	-	CALM	WSW	0.9	SSW	1.3	SSW	1.3	SSW	1.3
05:00-06:00	SSW	1.8	S	0.9	-	CALM	SW	0.9	SSW	1.3	SSW	1.3	SW	0.9
06:00-07:00	S	1.3	-	CALM	-	CALM	WSW	0.9	SSW	1.3	SSW	1.3	-	CALM
07:00-08:00	S	1.3	-	CALM	-	CALM	-	CALM	S	0.9	SW	0.9	-	CALM
08:00-09:00	SSW	1.3	S	0.9	-	CALM	WSW	0.9	S	1.3	SW	0.9	-	CALM
09:00-10:00	SSE	1.3	SSW	0.9	-	CALM	WSW	0.9	SSW	1.3	SW	1.3	SW	0.9
10:00-11:00	SE	1.3	SSW	1.3	WSW	0.9	SW	1.3	SSW	1.8	SW	1.3	SW	1.3
11:00-12:00	SE	1.8	S	1.8	SSW	1.3	SSW	2.2	SSW	1.8	SW	1.8	SW	1.3
12:00-13:00	SSE	1.8	SSW	1.8	SW	1.8	SW	2.2	SSW	1.8	SW	2.2	SW	1.8
13:00-14:00	SSW	1.8	SSW	1.8	SSW	2.2	SW	1.3	SSW	2.2	SSW	1.8	SW	1.8

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

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Report No.

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Issued date:

March 13, 2026

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type

: Ambient Air

Sampling Location

: โรงเจียรไนกากบดผง / กบ. มาบตาพุด

Sampling By

Sampling Date

: February 23 - March 2, 2026

Coordination (UTM)

: 47P 0729841E, 1403327N

Wind Speed Wind Direction	Percent of Wind Speed (%)				
	0.5-1.0 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	-	-	-	-	-
SE	2.38	5.36	1.79	-	-
SSE	0.60	6.55	0.60	-	-
S	4.76	7.74	0.60	-	-
SSW	7.14	24.40	4.17	-	-
SW	5.95	11.31	2.38	-	-
WSW	3.57	1.19	-	-	-
W	-	-	-	-	-
WNW	-	-	-	-	-
NW	-	-	-	-	-
NNW	-	-	-	-	-
CALM	9.52				

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: 2026-500006437-3 / 001-1 (Page 6 of 6)

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March 13, 2026

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type

: Ambient Air

Sampling Date

: February 23 - March 2, 2026

Sampling Location

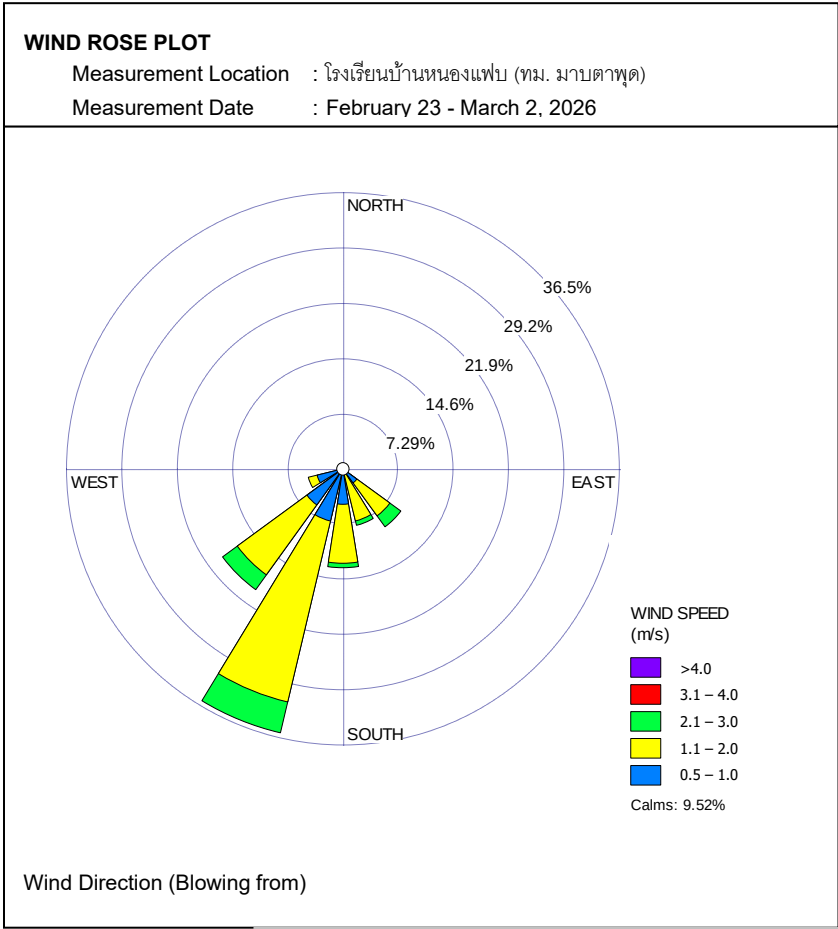
: โรงเรือนบ้านหนองแฟบ (ทม. มาบตาพุด)

Sampling By

: [Redacted]

Coordination (UTM)

: 47P 0729841E, 1403327N



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Report No.

: 2026-500006437-3 / 001-2 (Page 1 of 3)

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Issued date:

March 13, 2026

Analysis Report

Sample Type

: Ambient Air

Sampling Location

: วัดมาบขลุ่ย (ทม. มาบตาพุด)

Sampling By

Laboratory Name

: SGS (Thailand) Limited

Sampling Date

: February 23 - March 2, 2026

Coordination (UTM)

: 47P 0730825E, 1407360N

Received Date

: March 2, 2026

Analysis Date

: March 2-11, 2026

Sampling Date	TSP (µg/m³)	PM10 (µg/m³)
February 23-24, 2026	85.0	40.7
February 24-25, 2026	98.2	39.6
February 25-26, 2026	103.5	55.8
February 26-27, 2026	99.0	52.2
February 27-28, 2026	77.7	32.6
February 28-March 1, 2026	71.6	37.9
March 1-2, 2026	71.6	33.9
Standard ^{1/}	≤ 200	≤ 100

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 B.E. 2569 (2026), subjected "Ambient air standards", published in the Royal Government Gazette, Vol. 143, Part 20D, dated January 21, B.E. 2569 (2026).

TY/MM/SJS/SJS



LABORATORY ADDRESS: 1/209, and 1/211 Moo1, Soi Sukhumvit 11, Klongton Nuea, Bangkok 10110

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Report No.

: 2026-500006437-3 / 001-2 (Page 2 of 3)

Issued date:

March 13, 2026

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type

: Ambient Air

Sampling Date

: February 23 - March 2, 2026

Sampling Location

: วัดมาบชลัด (ทม. มาบตาพุด)

Coordination (UTM)

: 47P 0730825E, 1407360N

Sampling By

:

Time	NO ₂ Concentration (ppb)						
	Feb 23-24, 2026	Feb 24-25, 2026	Feb 25-26, 2026	Feb 26-27, 2026	Feb 27-28, 2026	Feb 28-Mar 1, 2026	Mar 1-2, 2026
15:00-16:00	11.5	6.5	7.9	6.1	6.0	5.4	6.7
16:00-17:00	6.3	6.8	7.4	6.2	6.0	5.1	5.9
17:00-18:00	3.9	5.0	7.4	10.7	6.6	5.4	5.8
18:00-19:00	11.9	8.5	7.7	9.7	6.0	5.8	6.3
19:00-20:00	8.1	8.4	7.7	9.7	9.5	6.3	7.2
20:00-21:00	7.6	8.1	7.8	6.8	6.3	7.6	10.0
21:00-22:00	7.9	8.0	7.4	8.4	6.8	8.0	11.9
22:00-23:00	9.1	8.6	7.5	7.1	6.2	8.8	12.0
23:00-00:00	7.2	7.4	6.7	6.1	4.6	5.7	10.0
00:00-01:00	9.1	7.2	6.7	6.1	6.8	7.4	7.1
01:00-02:00	9.5	6.6	6.2	6.2	6.0	5.6	6.3
02:00-03:00	9.3	7.4	6.1	6.3	6.0	5.8	6.2
03:00-04:00	9.5	6.7	5.5	5.4	5.4	5.3	5.6
04:00-05:00	9.1	7.2	5.7	5.5	5.6	5.0	5.8
05:00-06:00	8.5	6.9	5.5	5.6	5.5	4.9	5.4
06:00-07:00	8.6	7.0	5.7	5.3	5.0	5.6	5.4
07:00-08:00	8.5	7.2	5.5	5.5	4.9	5.4	5.4
08:00-09:00	8.1	7.7	5.6	5.5	4.9	5.8	6.4
09:00-10:00	8.3	5.8	5.8	6.3	6.4	5.6	6.6
10:00-11:00	7.9	6.4	3.9	7.8	6.1	5.2	6.5
11:00-12:00	7.7	7.3	3.9	5.7	5.3	5.1	6.5
12:00-13:00	7.6	8.0	7.2	6.1	5.6	5.6	8.0
13:00-14:00	8.0	7.8	6.9	6.2	5.5	6.2	10.3
14:00-15:00	8.8	7.6	6.3	5.9	5.7	6.0	3.7
1 hr.-Minimum	3.9	5.0	3.9	5.3	4.6	4.9	3.7
1 hr.-Maximum	11.9	8.6	7.9	10.7	9.5	8.8	12.0
Standard ¹⁾ (avg. 1 hr)	≤120						

Analytical Method: - Chemiluminescence Method.

Source: * The Notification of the National Environment Board B.E. 2569 (2026), subjected "Ambient air standards", published in the Royal Government Gazette, Vol. 143, Part 20D, dated January 21, B.E. 2569 (2026).

TY/MM/SJS/SJS



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

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Report No. : 2026-500006437-3 / 001-2 (Page 3 of 3)

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Issued date: March 13, 2026

Analysis Report

Sample Type : Ambient Air

Sampling Location : วัดมาบพิตร (ท.ม. มาบตาพุด)

Sampling By : [Redacted]

Sampling Date : February 23 - March 2, 2026

Coordination (UTM) : 47P 0730825E, 1407360N

Time	SO ₂ Concentration (ppb)						
	Feb 23-24, 2026	Feb 24-25, 2026	Feb 25-26, 2026	Feb 26-27, 2026	Feb 27-28, 2026	Feb 28-Mar 1, 2026	Mar 1-2, 2026
15:00-16:00	1.8	1.2	3.4	2.3	1.4	1.8	2.4
16:00-17:00	1.9	3.3	3.5	2.1	1.5	1.8	2.6
17:00-18:00	1.2	3.4	2.7	2.2	1.3	1.8	1.8
18:00-19:00	2.2	2.5	1.6	2.7	2.5	2.2	1.7
19:00-20:00	2.6	2.5	1.4	2.6	1.6	2.5	1.6
20:00-21:00	1.6	2.4	1.4	2.8	1.8	2.3	2.5
21:00-22:00	2.6	3.5	1.7	1.7	1.7	2.5	2.1
22:00-23:00	2.9	3.5	1.7	1.7	2.4	2.3	2.2
23:00-00:00	2.1	3.5	1.6	1.8	2.3	1.6	2.2
00:00-01:00	2.3	3.4	1.6	1.8	2.3	1.6	1.5
01:00-02:00	2.0	2.4	2.4	2.7	2.1	2.7	2.6
02:00-03:00	1.9	2.3	2.3	2.9	2.0	2.9	2.6
03:00-04:00	1.9	2.3	1.6	3.1	3.2	1.9	2.2
04:00-05:00	1.6	2.5	1.8	2.8	3.2	1.5	2.3
05:00-06:00	2.4	2.2	2.5	2.6	2.5	1.6	1.6
06:00-07:00	1.8	1.3	1.8	2.3	2.7	2.4	1.6
07:00-08:00	1.7	1.2	2.7	2.3	2.9	2.4	1.7
08:00-09:00	1.1	1.4	1.7	2.4	2.7	2.7	1.7
09:00-10:00	1.3	1.4	1.7	2.4	2.8	2.6	1.5
10:00-11:00	1.8	2.7	2.0	2.1	2.2	2.7	1.6
11:00-12:00	1.6	2.6	2.9	2.0	2.2	2.6	1.6
12:00-13:00	2.6	2.6	2.7	1.9	2.4	1.3	2.4
13:00-14:00	1.4	2.7	2.8	1.9	2.5	1.5	2.4
14:00-15:00	1.3	3.6	2.3	1.8	2.4	2.5	2.3
1 hr.-Minimum	1.1	1.2	1.4	1.7	1.3	1.3	1.5
1 hr.-Maximum	2.9	3.6	3.5	3.1	3.2	2.9	2.6
avg. 24 hrs.	1.9	2.5	2.2	2.3	2.3	2.2	2.0
Standard ^{1/} (avg. 1 hr)	≤100						
Standard ^{1/} (avg. 24 hr)	≤50						

Analytical Method: - UV Fluorescence Method

Sources: ^{1/} The Notification of the National Environment Board B.E. 2569 (2026), subjected “Ambient air standards”, published in the Royal Government Gazette, Vol. 143, Part 20D, dated January 21, B.E. 2569 (2026).

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LABORATORY ADDRESS: 1/209, and 1/211 Moo1, Soi Sukhu

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Report No. : 2026-500006437-3 / 001-3 (Page 1 of 3)

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Issued date: March 13, 2026

Analysis Report

Sample Type : Ambient Air

Sampling Location : รพ.สต. มาตรฐาน (ทม. มาตรฐาน)

Sampling By : [Redacted]

Laboratory Name : SGS (Thailand) Limited

Sampling Date : February 23 - March 2, 2026

Coordination (UTM) : 47P 0735246E, 1405909N

Received Date : March 2, 2026

Analysis Date : March 2-11, 2026

Sampling Date	TSP (µg/m³)	PM10 (µg/m³)
February 23-24, 2026	66.0	34.9
February 24-25, 2026	61.9	25.4
February 25-26, 2026	63.8	35.1
February 26-27, 2026	57.4	34.6
February 27-28, 2026	49.9	26.4
February 28-March 1, 2026	49.0	33.1
March 1-2, 2026	59.4	34.3
Standard ^{1/}	≤ 200	≤ 100

Remarks : - Sampling and analytical technique for TSP based on High Volume Air Sampler / Gravimetric Method.

Source : ^{1/} The Notification of the National Environment Board B.E. 2569 (2026), subjected "Ambient air standards", published in the Royal Government Gazette, Vol. 143, Part 20D, dated January 21, B.E. 2569 (2026).

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

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Report No.

: 2026-500006438-12 / 001-3 (Page 2 of 3)

Issued date:

March 13, 2026

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type

: Ambient Air

Sampling Location

: รพ.สต. มาบตาพุด (พม. มาบตาพุด)

Sampling By

:

Sampling Date

: February 23 - March 2, 2026

Coordination (UTM)

: 47P 0735246E, 1405909N

Time	NO ₂ Concentration (ppb)						
	Feb 23-24, 2026	Feb 24-25, 2026	Feb 25-26, 2026	Feb 26-27, 2026	Feb 27-28, 2026	Feb 28-Mar 1, 2026	Mar 1-2, 2026
12:00-13:00	8.4	8.1	19.9	7.9	10.2	5.2	9.6
13:00-14:00	10.3	10.0	17.1	7.5	6.7	5.1	8.5
14:00-15:00	11.3	11.8	13.6	6.8	5.8	5.5	9.6
15:00-16:00	13.3	14.0	10.8	7.1	9.1	4.7	7.7
16:00-17:00	14.2	15.7	12.8	8.7	9.4	3.9	10.0
17:00-18:00	14.6	16.0	15.1	10.1	6.6	4.4	9.5
18:00-19:00	11.9	12.2	14.6	8.7	6.1	5.9	7.1
19:00-20:00	8.8	10.4	12.0	9.3	3.8	2.7	4.8
20:00-21:00	8.3	12.0	13.2	7.2	5.1	3.2	4.6
21:00-22:00	6.7	8.8	12.1	8.0	5.4	3.9	6.1
22:00-23:00	5.7	7.0	9.6	6.7	4.5	3.3	4.5
23:00-00:00	4.8	6.4	6.9	8.2	4.0	2.6	4.0
00:00-01:00	5.3	5.5	7.0	6.8	4.2	2.5	4.3
01:00-02:00	4.4	11.7	8.5	9.5	2.7	8.0	3.5
02:00-03:00	3.8	9.1	4.9	9.3	2.2	5.0	4.3
03:00-04:00	4.0	8.3	5.9	7.9	2.3	5.1	7.8
04:00-05:00	4.7	7.5	7.1	7.0	2.4	6.7	3.6
05:00-06:00	5.8	3.5	9.5	5.9	2.3	5.5	6.0
06:00-07:00	5.0	6.6	7.5	6.2	2.4	7.6	6.4
07:00-08:00	6.8	6.2	7.0	6.0	2.8	8.5	5.8
08:00-09:00	9.5	6.9	9.1	5.9	3.6	7.2	5.1
09:00-10:00	12.9	12.7	11.8	6.7	2.9	5.3	6.2
10:00-11:00	13.9	8.5	10.5	5.7	3.3	3.2	7.9
11:00-12:00	17.0	18.1	11.9	7.6	4.3	5.4	6.8
1 hr.-Minimum	3.8	3.5	4.9	5.7	2.2	2.5	3.5
1 hr.-Maximum	17.0	18.1	19.9	10.1	10.2	8.5	10.0
Standard ¹⁾ (avg. 1 hr)	≤120						

Analytical Method: - Chemiluminescence Method.

Source: The Notification of the National Environment Board B.E. 2569 (2026), subjected "Ambient air standards", published in the Royal Government Gazette, Vol. 143, Part 20D, dated January 21, B.E. 2569 (2026).

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Issued date: March 13, 2026

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Sample Type : Ambient Air

Sampling Date : February 23 - March 2, 2026

Sampling Location : ๑๗๔๓ ๑๗๑๑๓๗๗๓ (๗๑๑ ๑๗๑๑๓๗๗๓)

Coordination (UTM) : 47P 0735246E, 1405909N

Sampling By

Analytical Method: - UV Fluorescence Method

Sources: ^{1/} The Notification of the National Environment Board B.E. 2569 (2026), subjected "Ambient air standards", published in the Royal Government Gazette, Vol. 143, Part 20D, dated January 21, B.E. 2569 (2026).

LABORATORY ADDRESS: 1/209, and 1/211 Moo1, Soi Sukhum

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Report No.

: 2026-500006437-3 / 001-4 (Page 1 of 3)

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Issued date:

March ,13 2026

Analysis Report

Sample Type

: Ambient Air

Sampling Location

: วัดตากวนคงคาราม (ทม. มาบตาพุด)

Sampling By

Laboratory Name

Sampling Date

: February 23 - March 2, 2026

Coordination (UTM)

: 47P 0736048E, 1402060N

Received Date

: March 2, 2026

Analysis Date

: March 2-13, 2026

Sampling Date	TSP (µg/m³)	PM10 (µg/m³)
February 23-24, 2026	81.2	34.1
February 24-25, 2026	86.2	38.1
February 25-26, 2026	105.3	58.1
February 26-27, 2026	116.3	61.2
February 27-28, 2026	65.0	38.4
February 28-March 1, 2026	64.2	29.3
March 1-2, 2026	69.1	32.7
Standard ^{1/}	≤ 200	≤ 100

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 B.E. 2569 (2026), subjected "Ambient air standards", published in the Royal Government Gazette, Vol. 143, Part 20D, dated January 6, B.E. 2569 (2026).

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Report No.

: 2026-500006437-3 / 001-4 (Page 2 of 3)

Issued date:

March ,13 2026

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type

: Ambient Air

Sampling Date

: February 23 - March 2, 2026

Sampling Location

: วัดตากวนคงคาราม (ทม. มาบตาพุด)

Coordination (UTM)

: 47P 0736048E, 1402060N

Sampling By

Time	NO ₂ Concentration (ppb)						
	Feb 23-24, 2026	Feb 24-25, 2026	Feb 25-26, 2026	Feb 26-27, 2026	Feb 27-28, 2026	Feb 28-Mar 1, 2026	Mar 1-2, 2026
12:00-13:00	11.3	6.4	9.8	6.4	6.2	6.8	5.6
13:00-14:00	8.7	6.2	9.3	6.0	6.7	5.2	5.9
14:00-15:00	10.3	5.4	12.5	5.8	6.3	5.3	11.4
15:00-16:00	10.9	4.9	6.1	6.2	6.1	5.0	5.1
16:00-17:00	12.0	6.0	6.0	10.2	7.5	3.8	5.5
17:00-18:00	11.2	5.3	5.9	15.2	7.8	3.4	4.5
18:00-19:00	10.3	4.6	6.8	9.4	4.3	2.9	4.3
19:00-20:00	10.2	5.7	6.5	5.5	4.9	4.8	4.9
20:00-21:00	9.8	5.2	5.8	5.8	4.3	4.7	4.8
21:00-22:00	9.2	6.6	6.0	5.5	3.8	4.1	4.3
22:00-23:00	8.9	6.3	6.1	5.9	4.4	4.0	6.3
23:00-00:00	8.7	7.1	6.0	6.3	4.3	3.9	6.2
00:00-01:00	8.8	7.3	6.6	5.8	4.1	4.2	5.5
01:00-02:00	8.1	7.4	6.0	6.1	3.7	4.0	5.8
02:00-03:00	8.1	8.0	5.9	6.4	3.9	4.6	6.1
03:00-04:00	8.1	7.3	7.4	7.4	3.3	4.4	5.5
04:00-05:00	7.5	6.3	6.6	6.9	3.7	4.9	4.6
05:00-06:00	7.6	6.7	8.3	7.0	4.2	5.0	5.1
06:00-07:00	7.4	6.0	7.7	6.2	3.9	5.1	7.0
07:00-08:00	9.5	6.1	7.4	6.9	3.2	6.5	5.7
08:00-09:00	7.7	6.2	8.0	6.7	3.5	4.6	6.3
09:00-10:00	7.3	7.0	7.1	5.5	4.1	3.9	6.5
10:00-11:00	5.8	6.7	7.2	4.9	4.7	4.7	5.4
11:00-12:00	6.2	11.3	7.0	5.4	7.0	5.4	5.6
1 hr.-Minimum	5.8	4.6	5.8	4.9	3.2	2.9	4.3
1 hr.-Maximum	12.0	11.3	12.5	15.2	7.8	6.8	11.4
Standard ^{II} (avg. 1 hr)	≤120						

Analytical Method: - Chemiluminescence Method.

Source: * The Notification of the National Environment Board B.E. 2569 (2026), subjected “Ambient air standards”, published in the Royal Government Gazette, Vol. 143, Part 20D, dated January 6, B.E. 2569 (2026).

TY/MM/SJS/SJS



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Report No. : 2026-500006437-3 / 001-4 (Page 3 of 3)

Issued date: March ,13 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Ambient Air

Sampling Date : February 23 - March 2, 2026

Sampling Location :  (ต.พุด)

Coordination (UTM) : 47P 0736048E, 1402060N

Sampling By : 

Time	SO ₂ Concentration (ppb)						
	Feb 23-24, 2026	Feb 24-25, 2026	Feb 25-26, 2026	Feb 26-27, 2026	Feb 27-28, 2026	Feb 28-Mar 1, 2026	Mar 1-2, 2026
12:00-13:00	1.3	1.8	3.2	2.6	2.0	1.5	2.7
13:00-14:00	1.2	2.9	2.3	2.4	2.2	1.5	3.6
14:00-15:00	2.4	3.0	2.3	2.5	1.4	1.4	4.5
15:00-16:00	2.2	2.1	3.3	1.5	2.5	2.4	4.4
16:00-17:00	1.5	2.1	3.1	1.5	2.4	2.6	1.8
17:00-18:00	2.9	2.0	3.0	1.6	2.5	2.5	1.5
18:00-19:00	1.9	2.0	2.3	2.3	2.4	1.4	1.5
19:00-20:00	1.1	2.1	1.7	2.3	2.2	1.2	1.5
20:00-21:00	1.3	3.0	1.5	2.4	1.6	2.2	1.3
21:00-22:00	2.5	3.0	1.5	2.4	1.7	2.2	1.2
22:00-23:00	2.3	1.9	3.3	1.6	1.7	3.3	2.3
23:00-00:00	1.0	1.9	1.3	1.7	3.5	3.4	2.3
00:00-01:00	1.0	1.8	1.4	1.9	2.7	2.5	1.8
01:00-02:00	1.1	2.0	1.5	1.6	2.7	2.2	2.0
02:00-03:00	3.0	1.1	2.3	1.4	2.3	2.2	2.6
03:00-04:00	2.9	1.9	1.6	2.1	2.5	2.4	2.6
04:00-05:00	2.0	1.8	2.5	2.2	2.7	2.4	2.5
05:00-06:00	1.4	2.0	2.4	1.5	1.5	2.7	2.7
06:00-07:00	1.6	1.9	2.3	1.4	2.2	1.6	3.7
07:00-08:00	2.1	2.7	2.4	2.7	2.3	1.7	1.9
08:00-09:00	1.2	2.4	1.8	2.7	2.3	2.5	2.9
09:00-10:00	2.2	2.4	1.6	1.4	2.9	1.6	1.5
10:00-11:00	1.0	2.7	1.6	1.4	3.0	1.8	1.5
11:00-12:00	1.9	2.1	2.6	1.3	2.9	2.6	1.7
1 hr.-Minimum	1.0	1.1	1.3	1.3	1.4	1.2	1.2
1 hr.-Maximum	3.0	3.0	3.3	2.7	3.5	3.4	4.5
avg. 24 hrs.	1.8	2.2	2.2	1.9	2.3	2.2	2.3
Standard ^{1/} (avg. 1 hr)	≤100						
Standard ^{1/} (avg. 24 hr)	≤50						

Analytical Method: - UV Fluorescence Method

Sources: ^{1/} The Notification of the National Environment Board B.E. 2569 (2026), subjected “Ambient air standards”, published in the Royal Government Gazette, Vol. 143, Part 20D, dated January 6, B.E. 2569 (2026).

TY/MM/SJS/SJS



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

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ภาคผนวก ก-2

ผลการติดตามตรวจสอบคุณภาพอากาศ
จากปล่องระบาย



Report No. : 2026-500006437-3 / 004-1 (Page 1 of 3)

Issued date: March 16, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Description : Emission Air

Sample Location : CTC No.1 : Glow SPP 2 Co., Ltd.

Sampling By : [Redacted]

Sampling Date : February 24,2026

Sampling Time : 14:20-15:08 hrs.

Received Date : February 25,2026

Analysis Date : February 25-March 13, 2026

Laboratory Name : SGS (Thailand) Limited (4-137)

Parameter		Unit	Value	Standard ^{1/}	Standard ^{2/}	Standard ^{3/}	Analytical Method
Fuel Type		-	Natural Gas	-	-	-	-
Stack Diameter		cm.	300	-	-	-	-
Stack Height		m.	40	-	-	-	-
Stack Temperature		°C	121.6	-	-	-	-
Dry Gas Temperature		°C	34.2	-	-	-	-
Absolute Stack Pressure		mm.Hg	755.9	-	-	-	-
Air Velocity		m/s	16.66	-	-	-	U.S.EPA Method 2
Volumetric Flow Rate at actual O ₂		Nm ³ /hr	282,559	-	-	-	U.S.EPA Method 2
Moisture		%	11.22	-	-	-	U.S.EPA Method 4
O ₂		%	12.88	-	-	-	U.S.EPA Method 3A
CO ₂		%	2.83	-	-	-	U.S.EPA Method 3A
TSP	at actual O ₂	mg/Nm ³	N.D. (<0.10)	-	-	-	U.S.EPA Method 5
	at 7% O ₂	mg/Nm ³	N.D. (<0.18)	60	60	15	
	Emission Rate	g/s	N.D. (<0.008)	-	-	1.01	by Calculation

Remark :

- N = Normal condition means reference condition at temperature of 25 °C, pressure of 1 atm or 760 mmHg, dry basis.
- N.D. = Not Detected

Source :

- ^{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 2 Co., Ltd. (Replacement Project)



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Report No. : 2026-500006437-3 / 004-1 (Page 2 of 3)

Issued date: March 16, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Description : Emission Air

Sample Location : CTG No.1 : Glow SPP 2 Co., Ltd.

Sampling By : [Redacted]

Sampling Date : February 24,2026

Sampling Time : 14:20-15:08 hrs.

Received Date : February 25,2026

Analysis Date : February 25-March 13, 2026

Laboratory Name : SGS (Thailand) Limited (3-197)

Parameter		Unit	Value	Standard ^{1/}	Standard ^{2/}	Standard ^{3/}	Analytical Method
Fuel Type		-	Natural Gas	-	-	-	-
Stack Diameter		cm.	300	-	-	-	-
Stack Height		m.	40	-	-	-	-
Stack Temperature		°C	121.6	-	-	-	-
Dry Gas Temperature		°C	34.2	-	-	-	-
Absolute Stack Pressure		mm.Hg	755.9	-	-	-	-
Air Velocity		m/s	16.66	-	-	-	U.S.EPA Method 2
Volumetric Flow Rate at actual O ₂		Nm ³ /hr	282,559	-	-	-	U.S.EPA Method 2
Moisture		%	11.22	-	-	-	U.S.EPA Method 4
O ₂		%	12.88	-	-	-	U.S.EPA Method 3A
CO ₂		%	2.83	-	-	-	U.S.EPA Method 3A
Sulfur Dioxide (SO ₂)	at actual O ₂	ppm	0.10	-	-	-	U.S.EPA Method 6C
	at 7% O ₂	ppm	0.18	20	20	1.2	
	Emission Rate	g/s	0.021	-	-	0.21	by Calculation
Oxide of Nitrogen as NO ₂	at actual O ₂	ppm	15.10	-	-	-	U.S.EPA Method 7E
	at 7% O ₂	ppm	26.17	120	120	50	
	Emission Rate	g/s	2.230	-	-	6.32	by Calculation

Remark : - N = Normal condition means reference condition at temperature of 25 °C, pressure of 1 atm or 760 mmHg, dry basis.
- N.D. = Not Detected

Source : 1/ Notification of the Ministry of Natural Resources and Environment, P.E. 2566 (2023) on Emission Standard from Power Plants

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Report No. : 2026-500006437-3 / 004-1 (Page 3 of 3)

Issued date: March 16, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Description : Emission Air

Sample Location : CTG No.1 : Glow SPP 2 Co., Ltd.

Sampling By : [REDACTED]

Laboratory Name : SGS (Thailand) Limited

Sampling Date : February 24,2026

Sampling Time : 16:35-17:35 hrs.

Received Date : February 25,2026

Analysis Date : February 25-March 13, 2026

Parameter		Unit	Value	Standard ^{1/}	Standard ^{2/}	Standard ^{3/}	Analytical Method
Fuel Type		-	Natural Gas	-	-	-	-
Stack Diameter		cm.	300	-	-	-	-
Stack Height		m.	40	-	-	-	-
Stack Temperature		°C	122.0	-	-	-	-
Dry Gas Temperature		°C	34.2	-	-	-	-
Absolute Stack Pressure		mm.Hg	753.0	-	-	-	-
Air Velocity		m/s	16.72	-	-	-	U.S.EPA Method 2
Volumetric Flow Rate at actual O ₂		Nm³/hr	281,645	-	-	-	U.S.EPA Method 2
Moisture		%	11.40	-	-	-	U.S.EPA Method 4
O ₂		%	12.88	-	-	-	U.S.EPA Method 3A
CO ₂		%	2.83	-	-	-	U.S.EPA Method 3A
PM ₁₀	at actual O ₂	mg/Nm³	N.D. (<0.14)	-	-	-	U.S.EPA Method 201A
	at 7% O ₂	mg/Nm³	N.D. (<0.25)	-	-	-	
	Emission Rate	g/s	N.D. (<0.011)	-	-	-	by Calculation
PM _{2.5}	at actual O ₂	ppm	N.D. (<0.14)	-	-	-	U.S.EPA Method 201A
	at 7% O ₂	ppm	N.D. (<0.25)	-	-	-	
	Emission Rate	g/s	N.D. (<0.011)	-	-	-	by Calculation

Remark :

- N = Normal condition means reference condition at temperature of 25 °C, pressure of 1 atm or 760 mmHg, dry basis.
- N.D. = Not Detected

Source :

- ^{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 2 Co., Ltd. (Replacement Project)



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Report No. : 2026-500006437-3 / 004-2 (Page 1 of 1)

Issued date: March 16, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Description : Emission Air

Sample Location : CTG No.1 : Glow SPP 2 Co., Ltd.

Sampling By : [Redacted]

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

Sampling Date : February 24,2026

Sampling Time : 14:20-15:08 hrs.

Received Date : February 25,2026

Analysis Date : February 25-March 13, 2026

Parameter	Unit	Value	Standard ^{1/}	Standard ^{2/}	Standard ^{3/}	Standard ^{4/}	Analytical Method
Fuel Type	-	Natural Gas	-	-	-	-	-
Stack Diameter	cm.	300	-	-	-	-	-
Stack Height	m.	40	-	-	-	-	-
Stack Temperature	°C	121.6	-	-	-	-	-
Dry Gas Temperature	°C	34.2	-	-	-	-	-
Absolute Stack Pressure	mm.Hg	755.9	-	-	-	-	-
Air Velocity	m/s	16.66	-	-	-	-	U.S.EPA Method 2
Volumetric Flow Rate at actual O ₂	Nm ³ /hr	282,559	-	-	-	-	U.S.EPA Method 2
Moisture	%	11.22	-	-	-	-	U.S.EPA Method 4
O ₂	%	12.88	-	-	-	-	U.S.EPA Method 3A
CO ₂	%	2.83	-	-	-	-	U.S.EPA Method 3A
Carbon Monoxide (CO)	at actual O ₂	ppm	4.06	-	-	-	U.S.EPA Method 10
	at 7% O ₂	ppm	7.04	-	-	690	
	Emission Rate	g/s	0.365	-	-	-	by Calculation

Remark : - N = Normal condition means reference condition at temperature of 25 °C, pressure of 1 atm or 760 mmHg, dry basis.

Source : ^{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 2 Co., Ltd. (Replacement Project)

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



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Report No. : 2026-500006437-3 / 004-3 (Page 1 of 3)

Issued date: March 16, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Description : Emission Air

Sample Location : CTG No. 2 : Glow SPP 2 Co., Ltd.

Sampling By : [Redacted]

Laboratory Name : SGS (Thailand) Limited (3-197)

Sampling Date : February 24,2026

Sampling Time : 14:00-14:48 hrs.

Received Date : February 25,2026

Analysis Date : February 25-March 13, 2026

Parameter		Unit	Value	Standard ^{1/}	Standard ^{2/}	Standard ^{3/}	Analytical Method
Fuel Type		-	Natural Gas	-	-	-	-
Stack Diameter		cm.	300	-	-	-	-
Stack Height		m.	40	-	-	-	-
Stack Temperature		°C	114.3	-	-	-	-
Dry Gas Temperature		°C	32.8	-	-	-	-
Absolute Stack Pressure		mm.Hg	755.9	-	-	-	-
Air Velocity		m/s	16.38	-	-	-	U.S.EPA Method 2
Volumetric Flow Rate at actual O ₂		Nm ³ /hr	286,612	-	-	-	U.S.EPA Method 2
Moisture		%	10.11	-	-	-	U.S.EPA Method 4
O ₂		%	13.14	-	-	-	U.S.EPA Method 3A
CO ₂		%	4.74	-	-	-	U.S.EPA Method 3A
TSP	at actual O ₂	mg/Nm ³	N.D. (<0.10)	-	-	-	U.S.EPA Method 5
	at 7% O ₂	mg/Nm ³	N.D. (<0.18)	60	60	15	
	Emission Rate	g/s	N.D. (<0.008)	-	-	1.01	by Calculation

Remark :

- N = Normal condition means reference condition at temperature of 25 °C, pressure of 1 atm or 760 mmHg, dry basis.
- N.D. = Not Detected

Source :

- ^{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 2 Co., Ltd. (Replacement Project)



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Report No. : 2026-500006437-3 / 004-3 (Page 2 of 3)

Issued date: March 16, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Description : Emission Air

Sample Location : CTC No. 2 : Glow SPP 2 Co., Ltd.

Sampling By : [Redacted]

Laboratory Name : SGS (Thailand) Limited (3-197)

Sampling Date : February 24,2026

Sampling Time : 14:00-14:48 hrs.

Received Date : February 25,2026

Analysis Date : February 25-March 13, 2026

Parameter		Unit	Value	Standard ^{1/}	Standard ^{2/}	Standard ^{3/}	Analytical Method
Fuel Type		-	Natural Gas	-	-	-	-
Stack Diameter		cm.	300	-	-	-	-
Stack Height		m.	40	-	-	-	-
Stack Temperature		°C	114.3	-	-	-	-
Dry Gas Temperature		°C	32.8	-	-	-	-
Absolute Stack Pressure		mm.Hg	755.9	-	-	-	-
Air Velocity		m/s	16.38	-	-	-	U.S.EPA Method 2
Volumetric Flow Rate at actual O ₂		Nm ³ /hr	286,612	-	-	-	U.S.EPA Method 2
Moisture		%	10.11	-	-	-	U.S.EPA Method 4
O ₂		%	13.14	-	-	-	U.S.EPA Method 3A
CO ₂		%	4.74	-	-	-	U.S.EPA Method 3A
Sulfur Dioxide (SO ₂)	at actual O ₂	ppm	0.12	-	-	-	U.S.EPA Method 6C
	at 7% O ₂	ppm	0.22	20	20	1.2	
	Emission Rate	g/s	0.025	-	-	0.21	by Calculation
Oxide of Nitrogen as NO ₂	at actual O ₂	ppm	19.05	-	-	-	U.S.EPA Method 7E
	at 7% O ₂	ppm	34.13	120	120	50	
	Emission Rate	g/s	2.854	-	-	6.32	by Calculation

Remark : - N = Normal condition means reference condition at temperature of 25 °C, pressure of 1 atm or 760 mmHg, dry basis.

Source : 1/ Notification of the Ministry of Natural Resources and Environment, B.E. 2566 (2023) on Emission Standard from Power Plants



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Report No. : 2026-500006437-3 / 004-3 (Page 3 of 3)

Issued date: March 16, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Description : Emission Air

Sample Location : CTG No.2 : Glow SPP 2 Co., Ltd.

Sampling By : [Redacted]

Laboratory Name : SGS (Thailand) Limited

Sampling Date : February 24,2026

Sampling Time : 15:00-15:48 hrs.

Received Date : February 25,2026

Analysis Date : February 25-March 13, 2026

Parameter		Unit	Value	Standard ^{1/}	Standard ^{2/}	Standard ^{3/}	Analytical Method
Fuel Type		-	Natural Gas	-	-	-	-
Stack Diameter		cm.	300	-	-	-	-
Stack Height		m.	40	-	-	-	-
Stack Temperature		°C	101.0	-	-	-	-
Dry Gas Temperature		°C	32.7	-	-	-	-
Absolute Stack Pressure		mm.Hg	755.9	-	-	-	-
Air Velocity		m/s	16.11	-	-	-	U.S.EPA Method 2
Volumetric Flow Rate at actual O ₂		Nm³/hr	302,051	-	-	-	U.S.EPA Method 2
Moisture		%	10.61	-	-	-	U.S.EPA Method 4
O ₂		%	13.47	-	-	-	U.S.EPA Method 3A
CO ₂		%	4.33	-	-	-	U.S.EPA Method 3A
PM ₁₀	at actual O ₂	mg/Nm³	N.D. (<0.14)	-	-	-	U.S.EPA Method 201A
	at 7% O ₂	mg/Nm³	N.D. (<0.26)	-	-	-	
	Emission Rate	g/s	N.D. (<0.012)	-	-	-	by Calculation
PM _{2.5}	at actual O ₂	ppm	N.D. (<0.14)	-	-	-	U.S.EPA Method 201A
	at 7% O ₂	ppm	N.D. (<0.26)	-	-	-	
	Emission Rate	g/s	N.D. (<0.012)	-	-	-	by Calculation

Remark :

- N = Normal condition means reference condition at temperature of 25 °C, pressure of 1 atm or 760 mmHg, dry basis.
- N.D. = Not Detected

Source :

- ^{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 2 Co., Ltd. (Replacement Project)



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Report No. : 2026-500006437-3 / 004-4 (Page 1 of 1)

Issued date: March 16, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Description : Emission Air

Sample Location : CTG No.2 : Glow SPP 2 Co., Ltd.

Sampling By : [REDACTED]

Sampling Date : February 24,2026

Sampling Time : 14:00-14:48 hrs.

Received Date : February 25,2026

Analysis Date : February 25-March 13, 2026

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

Parameter	Unit	Value	Standard ^{1/}	Standard ^{2/}	Standard ^{3/}	Standard ^{4/}	Analytical Method
Fuel Type	-	Natural Gas	-	-	-	-	-
Stack Diameter	cm.	300	-	-	-	-	-
Stack Height	m.	40	-	-	-	-	-
Stack Temperature	°C	114.3	-	-	-	-	-
Dry Gas Temperature	°C	32.8	-	-	-	-	-
Absolute Stack Pressure	mm.Hg	755.9	-	-	-	-	-
Air Velocity	m/s	16.38	-	-	-	-	U.S.EPA Method 2
Volumetric Flow Rate at actual O ₂	Nm ³ /hr	286,612	-	-	-	-	U.S.EPA Method 2
Moisture	%	10.11	-	-	-	-	U.S.EPA Method 4
O ₂	%	13.14	-	-	-	-	U.S.EPA Method 3A
CO ₂	%	4.74	-	-	-	-	U.S.EPA Method 3A
Carbon Monoxide (CO)	at actual O ₂	ppm	2.81	-	-	-	U.S.EPA Method 10
	at 7% O ₂	ppm	5.04	-	-	690	
	Emission Rate	g/s	0.267	-	-	-	by Calculation

Remark : - N = Normal condition means reference condition at temperature of 25 °C, pressure of 1 atm or 760 mmHg, dry basis.

Source : ^{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 2 Co., Ltd. (Replacement Project)

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

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ภาคผนวก ก-3

ผลการติดตามตรวจสอบระดับเสียงโดยทั่วไป



Report No. : 2026-500006437-3 / 002-1 (Page 1 of 2)

Issued date: March 13, 2026

Client : GLOW SPP2 COMPANY LIMITED
Address : No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150
Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Ambient Noise
Measurement Location : บริเวณชุมชนหนองแฟบ (ทม. มาบตาพุด)
(UTM47P 729832E, 1403265N)
Calibrator Data : Model CR:515 Cirrus Research plc, Serial No. 88346
Calibration Value Reference: 94.0 dB(A) Pre Cal: 94.0 dB(A) Post Cal: 94.0 dB(A)
Sound Level Meter : Model NL-53, RION, Serial No. 00452076

Time	Sound Level [dB(A)]												Standard ^{1/2/}
	February 23-24, 2026			February 24-25, 2026			February 25-26, 2026			February 26-27, 2026			
	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	
15:00-16:00	55.4	79.8	51.7	55.5	78.7	51.4	53.7	75.1	50.5	53.9	74.5	50.8	
16:00-17:00	57.5	77.1	54.8	55.9	78.5	50.8	54.6	73.4	51.4	54.5	72.2	51.9	
17:00-18:00	57.9	84.9	53.8	54.0	74.6	50.6	54.3	72.6	51.1	56.6	75.0	51.9	
18:00-19:00	56.8	81.2	50.4	53.4	74.5	49.2	53.5	70.3	48.9	55.4	78.0	49.3	
19:00-20:00	53.8	73.2	48.3	52.2	76.7	47.3	56.0	84.0	47.5	50.5	65.9	46.8	
20:00-21:00	52.6	77.0	48.7	51.2	68.6	46.0	53.6	69.5	46.4	53.5	73.6	46.6	
21:00-22:00	55.5	75.9	47.7	52.3	82.6	45.5	54.8	80.4	46.9	53.2	70.7	46.4	
22:00-23:00	49.3	69.2	46.3	51.9	69.6	45.6	49.0	70.6	45.6	52.1	69.5	45.6	
23:00-00:00	50.9	74.8	46.8	55.4	83.4	43.4	48.6	76.0	45.4	46.4	65.8	43.9	
00:00-01:00	51.9	68.0	46.9	45.4	69.6	43.2	56.8	66.0	44.5	47.2	70.5	43.8	
01:00-02:00	47.6	63.2	45.6	52.8	69.2	45.9	46.4	66.6	44.2	49.5	80.5	45.2	
02:00-03:00	53.1	76.2	45.0	46.3	62.6	44.2	46.0	69.2	43.8	55.6	64.3	49.2	
03:00-04:00	49.6	69.9	45.1	49.1	70.8	44.9	55.1	72.3	45.7	48.1	75.7	44.0	
04:00-05:00	48.8	68.5	45.6	49.0	67.5	46.6	53.2	67.8	48.2	46.7	68.4	43.9	
05:00-06:00	58.3	77.7	55.3	55.1	77.4	48.3	55.8	74.4	50.3	47.2	65.1	44.9	
06:00-07:00	59.0	75.6	56.8	57.7	79.8	54.0	57.1	76.4	53.8	54.9	71.0	49.0	
07:00-08:00	58.8	78.6	52.7	58.4	77.9	54.0	58.4	76.1	52.9	54.2	74.2	50.8	
08:00-09:00	54.1	73.3	51.0	56.2	83.5	50.7	55.0	76.8	52.3	52.8	77.4	47.9	
09:00-10:00	55.2	78.4	51.1	55.5	83.2	50.2	53.8	87.5	49.7	51.2	71.0	48.3	
10:00-11:00	54.5	72.2	50.6	53.7	73.4	49.4	55.1	77.7	51.9	51.8	69.0	49.1	
11:00-12:00	61.6	74.3	58.4	53.9	70.0	51.1	55.0	79.1	51.4	52.9	74.6	50.8	
12:00-13:00	57.9	81.2	50.8	53.2	72.4	50.6	52.9	72.4	50.1	54.5	75.6	51.9	
13:00-14:00	53.1	75.3	49.2	57.7	75.2	50.6	61.2	77.4	53.3	58.4	72.3	52.3	
14:00-15:00	57.6	76.2	51.9	62.1	80.3	54.1	61.0	85.5	53.8	62.7	78.1	57.6	
Leq 24 hrs.	56.0	-	-	55.2	-	-	55.6	-	-	54.5	-	-	70
Ldn	61.0	-	-	60.1	-	-	60.7	-	-	58.6	-	-	-
Lmax	-	84.9	-	-	83.5	-	-	87.5	-	-	80.5	-	115
L90	-	-	46.9	-	-	45.3	-	-	45.9	-	-	45.3	-

Sources: ^{1/} Notification of the National Environment Board No.15, B.E. 2540 (1997), published in the Royal Government Gazette, Vol.114, Special Part 27D, dated April 3, B.E. 2540 (1997)

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Report No. : 2026-500006437-3 / 002-1 (Page 2 of 2)

Issued date: March 13, 2026

Client : GLOW SPP2 COMPANY LIMITED
Address : No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150
Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Ambient Noise
Measurement Location : บริเวณชุมชนหนองแฟบ (ทม. มาบตาพุด)
(UTM47P 729832E, 1403265N)
Calibrator Data : Model CR:515 Cirrus Research plc, Serial No. 88346
Calibration Value Reference: 94.0 dB(A) Pre Cal: 94.0 dB(A) Post Cal: 94.0 dB(A)
Sound Level Meter : Model NL-53, RION, Serial No. 00452076

Time	Sound Level [dB(A)]									Standard ^{1/2/}
	February 27-28, 2026			February 28-March 1, 2026			March 1-2, 2026			
	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	
15:00-16:00	59.4	72.6	51.9	51.3	69.3	48.4	54.0	78.1	47.9	
16:00-17:00	54.6	75.1	51.8	54.3	73.2	50.4	52.0	69.5	49.0	
17:00-18:00	54.9	72.0	51.6	56.5	80.1	53.4	53.7	79.1	49.7	
18:00-19:00	56.3	78.1	51.1	57.3	72.7	53.5	56.0	76.8	49.5	
19:00-20:00	53.3	75.7	49.3	56.9	75.7	53.7	52.5	73.5	48.5	
20:00-21:00	57.8	82.9	49.0	56.0	73.7	53.9	54.2	69.4	48.8	
21:00-22:00	53.9	71.4	47.9	51.6	68.8	47.1	49.8	68.5	46.3	
22:00-23:00	50.7	72.9	46.8	56.7	68.3	47.5	55.0	71.6	48.8	
23:00-00:00	54.5	66.9	46.9	54.3	68.8	45.8	48.3	74.0	44.8	
00:00-01:00	48.1	62.1	46.1	55.3	76.3	51.5	46.3	68.4	44.2	
01:00-02:00	50.9	81.9	46.6	50.8	68.5	46.0	56.0	66.2	43.7	
02:00-03:00	57.0	65.7	50.6	56.4	64.0	44.6	52.1	71.4	44.2	
03:00-04:00	49.5	77.1	45.4	57.1	74.3	54.6	51.0	80.7	44.5	
04:00-05:00	48.1	69.8	45.3	54.8	67.6	47.0	50.7	78.2	44.2	
05:00-06:00	48.6	66.5	46.3	48.3	66.8	45.5	50.2	67.0	46.4	
06:00-07:00	56.3	72.4	50.4	56.2	75.9	51.1	56.2	75.7	50.4	
07:00-08:00	55.6	75.6	52.2	54.9	75.1	50.5	65.0	81.1	54.4	
08:00-09:00	54.2	78.8	49.3	52.6	72.3	49.6	61.3	75.7	54.3	
09:00-10:00	52.6	72.4	49.7	52.6	71.8	49.4	55.1	78.3	51.8	
10:00-11:00	52.6	72.4	50.5	53.6	74.9	49.0	54.8	75.7	51.4	
11:00-12:00	54.3	74.4	50.0	54.8	77.6	51.6	54.7	76.3	52.5	
12:00-13:00	52.3	73.9	48.9	52.4	75.9	48.6	56.2	77.3	53.6	
13:00-14:00	52.7	71.7	49.5	52.8	71.7	48.5	60.0	74.0	53.9	
14:00-15:00	53.6	82.8	48.7	52.2	71.7	48.8	64.1	79.8	57.6	
Leq 24 hrs.	54.4	-	-	54.7	-	-	57.3	-	-	70
Ldn	59.7	-	-	61.5	-	-	60.8	-	-	-
Lmax	-	82.9	-	-	80.1	-	-	81.1	-	115
L90	-	-	47.1	-	-	47.5	-	-	45.4	-

Sources: ^{1/} Notification of the National Environment Board No.15, B.E. 2540 (1997), published in the Royal Government Gazette, Vol.114, Special Part 27D, dated April 3, B.E. 2540 (1997)

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Report No. : 2026-500006437-3 / 002-2 (Page 1 of 2)

Issued date: March 13, 2026

Client : GLOW SPP2 COMPANY LIMITED
Address : No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150
Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Ambient Noise Measurement Date : February 23 - March 2, 2026
Measurement Location : บริเวณชุมชนตากวน-อ่าวประดู่ (ทม. มาบตาพุด) Measured By :
(UTM 47P 736112E, 1402089N)
Calibrator Data : Model CR:515 Cirrus Research plc, Serial No. 88346
Calibration Value Reference: 94.0 dB(A) Pre Cal: 94.0 dB(A) Post Cal: 94.0 dB(A)
Sound Level Meter : Model NL-53, RION, Serial No. 00452074

Time	Sound Level [dB(A)]												Standard ^{11/2/}
	February 23-24, 2026			February 24-25, 2026			February 25-26, 2026			February 26-27, 2026			
	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	
14:00-15:00	53.1	75.2	45.9	52.4	69.4	48.5	52.2	70.7	46.8	51.4	69.4	47.3	
15:00-16:00	51.3	75.6	47.8	54.4	80.4	49.7	53.8	77.2	47.4	53.9	78.8	46.4	
16:00-17:00	46.7	65.0	43.4	49.4	72.6	46.5	48.9	68.2	45.7	47.1	70.3	44.2	
17:00-18:00	47.0	63.3	43.5	46.0	66.6	43.0	46.9	68.9	43.3	48.5	79.8	43.1	
18:00-19:00	54.3	67.9	42.8	58.8	74.9	42.8	59.8	75.3	42.0	59.5	74.0	42.1	
19:00-20:00	42.5	59.6	41.4	43.3	55.0	42.2	44.4	64.2	41.5	43.9	68.1	41.9	
20:00-21:00	42.1	60.0	40.9	42.4	55.0	41.4	42.2	55.5	41.3	43.3	55.5	42.0	
21:00-22:00	42.0	61.8	40.6	43.0	58.6	41.8	46.5	66.3	41.1	44.9	58.9	43.5	
22:00-23:00	43.7	69.2	41.4	45.7	64.7	42.3	42.8	57.9	41.2	44.5	60.2	42.3	
23:00-00:00	44.9	65.7	41.0	52.0	75.3	43.6	42.8	55.9	41.6	50.5	64.0	42.6	
00:00-01:00	44.7	54.6	42.1	44.2	75.0	41.8	43.3	62.1	41.7	44.8	60.4	43.7	
01:00-02:00	45.7	54.1	42.5	43.3	65.1	41.4	44.0	65.3	41.5	46.2	67.2	42.5	
02:00-03:00	44.2	58.7	41.5	42.1	58.6	40.6	51.5	68.6	41.5	49.6	75.2	42.6	
03:00-04:00	47.1	67.7	41.4	46.8	70.5	40.3	41.7	55.5	41.1	46.6	76.8	42.2	
04:00-05:00	47.2	71.6	42.7	46.3	72.4	40.0	44.8	65.1	41.6	48.6	75.6	41.9	
05:00-06:00	60.2	72.0	42.7	46.6	71.5	40.3	44.0	62.4	42.0	49.0	75.9	42.2	
06:00-07:00	50.1	79.9	45.6	64.3	74.6	42.9	61.4	78.1	44.8	66.7	81.5	45.4	
07:00-08:00	53.9	73.8	46.4	53.7	74.2	45.9	61.4	92.9	49.1	54.0	73.5	46.3	
08:00-09:00	50.2	79.9	44.1	57.6	77.8	48.1	50.3	77.9	44.9	51.1	76.6	45.4	
09:00-10:00	48.1	66.0	45.1	56.8	79.0	47.2	51.3	76.6	46.3	51.9	79.2	46.3	
10:00-11:00	53.1	81.6	46.5	51.1	77.2	45.9	50.2	76.4	46.6	53.4	73.3	49.1	
11:00-12:00	54.3	79.1	46.0	55.3	80.8	48.6	53.7	74.4	48.4	52.4	77.7	49.1	
12:00-13:00	54.8	75.5	46.4	54.6	76.6	46.7	52.5	70.8	46.2	50.7	74.9	43.1	
13:00-14:00	57.7	90.8	46.9	53.6	77.8	49.4	50.2	70.5	46.8	48.0	67.9	44.7	
Leq 24 hrs.	52.1	-	-	54.5	-	-	53.6	-	-	55.1	-	-	70
Ldn	58.4	-	-	61.6	-	-	59.3	-	-	63.5	-	-	-
Lmax	-	90.8	-	-	80.8	-	-	92.9	-	-	81.5	-	115
L90	-	-	41.7	-	-	41.4	-	-	41.6	-	-	42.6	-

Sources: ^{1/} Notification of the National Environment Board No.15, B.E. 2540 (1997), published in the Royal Government Gazette, Vol.114, Special Part 27D, dated April 3, B.E. 2540 (1997).
^{2/} Notification of Ministry of Industry, B.E. 2548 (2005), published in the Royal Government Gazette, Vol.118, dated January 25, B.E. 2549 (2006).

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Client : GLOW SPP2 COMPANY LIMITED
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Sample Type : Ambient Noise Measurement Date : February 23 - March 2, 2026
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Time	Sound Level [dB(A)]									Standard ^{1/2/}
	February 27-28, 2026			February 28-March 1, 2026			March 1-2, 2026			
	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	
14:00-15:00	47.9	67.2	44.8	53.2	78.5	48.0	51.7	75.8	44.4	
15:00-16:00	53.3	77.8	47.3	51.8	73.6	45.9	53.6	81.6	44.3	
16:00-17:00	47.3	71.3	42.9	49.6	77.4	43.1	48.8	78.6	43.3	
17:00-18:00	46.4	73.7	42.6	54.0	81.5	43.7	49.8	79.9	42.5	
18:00-19:00	59.0	73.9	41.7	57.0	66.4	42.7	57.8	79.2	42.8	
19:00-20:00	42.5	58.8	41.6	43.1	57.9	41.8	43.6	64.3	42.3	
20:00-21:00	44.4	67.6	40.7	42.9	66.7	41.7	42.8	58.1	41.4	
21:00-22:00	44.5	57.8	40.7	43.6	63.5	42.7	45.6	67.3	41.6	
22:00-23:00	42.2	55.7	41.0	44.0	56.2	42.8	44.5	58.1	41.0	
23:00-00:00	43.9	57.7	41.4	47.0	63.2	41.9	46.7	67.6	42.6	
00:00-01:00	52.9	76.8	41.9	43.5	59.2	42.2	48.3	62.5	41.7	
01:00-02:00	46.6	71.9	42.2	43.5	64.8	41.3	42.6	69.9	41.7	
02:00-03:00	42.9	53.3	41.7	49.0	67.6	41.8	41.9	63.9	41.3	
03:00-04:00	48.5	74.7	41.9	45.3	70.4	41.5	44.2	65.4	41.2	
04:00-05:00	49.4	74.3	41.8	44.1	60.3	42.0	43.9	63.6	41.6	
05:00-06:00	48.7	76.0	41.2	45.6	65.7	41.8	45.2	66.1	41.8	
06:00-07:00	62.9	75.7	44.0	60.7	80.3	44.3	62.9	83.2	44.6	
07:00-08:00	52.5	77.4	43.8	51.7	82.4	44.9	59.1	81.7	48.8	
08:00-09:00	53.8	81.7	46.8	49.9	74.9	45.6	57.9	81.6	45.8	
09:00-10:00	49.3	66.1	46.3	49.6	76.2	44.5	49.9	76.2	46.6	
10:00-11:00	52.1	78.6	45.4	51.0	72.1	45.1	54.4	82.9	47.8	
11:00-12:00	52.6	77.5	48.6	51.4	74.4	46.2	55.6	80.4	47.3	
12:00-13:00	50.3	79.9	45.5	55.8	79.4	46.4	56.1	76.8	47.7	
13:00-14:00	51.3	73.6	46.0	50.6	75.8	44.8	59.0	92.1	48.2	
Leq 24 hrs.	53.0	-	-	52.0	-	-	54.5	-	-	70
Ldn	60.5	-	-	58.5	-	-	60.5	-	-	-
Lmax	-	81.7	-	-	82.4	-	-	92.1	-	115
L90	-	-	41.6	-	-	42.2	-	-	41.8	-

Sources: ^{1/} Notification of the National Environment Board No.15, B.E. 2540 (1997), published in the Royal Government Gazette, Vol.114, Special Part 27D, dated April 3, B.E. 2540 (1997).
^{2/} Notification of Ministry of Industry, B.E. 2548 dated January 25, B.E. 2549 (2006).

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Report No. : 2026-500006437-3 / 002-3 (Page 1 of 2)

Issued date: March 13, 2026

Client : GLOW SPP2 COMPANY LIMITED
Address : No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150
Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Ambient Noise
Measurement Location : บริเวณริ้วโครงการด้านทิศตะวันตกเฉียงเหนือ (UTM 47P 0732042E, 1402529N)
Calibrator Data : Model CR:515 Cirrus Research plc, Serial No. 88346
Calibration Value Reference: 94.0 dB(A) Pre Cal: 94.0 dB(A) Post Cal: 94.0 dB(A)
Sound Level Meter : Model NL-53, RION, Serial No. 00652277

Time	Sound Level [dB(A)]												Standard ^{1/2/}
	February 23-24, 2026			February 24-25, 2026			February 25-26, 2026			February 26-27, 2026			
	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	
10:00-11:00	64.2	73.4	63.5	67.9	74.6	66.0	63.0	75.8	62.4	63.0	81.7	62.6	
11:00-12:00	63.9	69.6	63.4	64.0	73.0	61.9	62.8	71.7	62.2	63.1	74.5	62.7	
12:00-13:00	63.9	71.2	63.3	64.3	72.7	63.1	63.1	70.3	62.6	63.5	69.9	63.0	
13:00-14:00	64.3	72.2	63.6	63.0	68.8	61.9	63.1	70.2	62.5	64.4	84.3	62.9	
14:00-15:00	64.5	69.1	64.0	66.3	83.3	62.3	63.2	70.4	62.7	63.3	67.9	62.9	
15:00-16:00	64.6	72.3	64.1	64.1	72.8	63.2	63.2	69.3	62.7	63.4	67.6	62.8	
16:00-17:00	64.5	74.8	63.9	64.5	73.3	63.7	63.3	69.8	62.9	66.9	81.2	63.5	
17:00-18:00	64.1	73.1	63.5	64.7	73.3	62.9	64.1	84.4	63.2	65.5	75.1	63.9	
18:00-19:00	63.9	71.2	63.4	67.4	73.1	64.7	63.8	71.2	63.3	64.3	73.2	63.9	
19:00-20:00	63.9	73.0	63.2	65.0	75.6	63.5	64.0	78.1	63.4	64.3	73.3	63.8	
20:00-21:00	63.8	70.1	63.2	64.0	68.6	63.4	64.0	71.9	63.5	64.2	72.4	63.7	
21:00-22:00	63.5	69.7	62.7	63.1	71.5	62.7	64.4	71.0	63.9	63.8	68.7	63.2	
22:00-23:00	63.6	70.5	63.0	63.4	69.3	62.9	64.1	77.1	63.4	64.2	71.1	63.7	
23:00-00:00	64.0	71.7	63.5	63.2	73.3	62.7	64.1	69.6	63.6	64.1	69.5	63.5	
00:00-01:00	64.0	72.7	63.3	63.2	67.5	62.7	64.0	70.3	63.6	64.0	70.1	63.5	
01:00-02:00	63.9	71.7	63.3	63.8	71.1	63.0	63.9	68.7	63.5	63.9	69.2	63.5	
02:00-03:00	63.8	74.2	63.2	63.4	67.9	62.9	63.8	68.1	63.3	65.3	74.5	63.3	
03:00-04:00	63.6	68.7	63.0	63.3	67.4	62.5	63.6	69.5	63.1	63.8	68.8	63.4	
04:00-05:00	63.6	70.2	63.0	62.7	70.5	62.2	63.8	69.4	63.2	63.9	71.8	63.5	
05:00-06:00	63.4	69.3	62.7	65.2	72.5	62.4	64.3	71.3	63.7	66.7	73.8	64.0	
06:00-07:00	63.6	73.3	63.0	64.6	72.3	62.5	64.1	71.4	63.5	65.7	73.6	63.8	
07:00-08:00	63.8	77.3	63.1	62.9	70.6	62.4	64.1	72.6	63.5	64.1	75.4	63.6	
08:00-09:00	63.5	73.4	63.0	62.4	74.1	62.0	63.7	75.8	63.2	63.7	74.5	63.3	
09:00-10:00	65.9	71.9	62.6	62.5	67.7	62.0	63.3	73.4	62.8	64.0	74.3	63.4	
Leq 24 hrs.	64.0	-	-	64.4	-	-	63.7	-	-	64.4	-	-	70
Ldn	70.2	-	-	70.3	-	-	70.3	-	-	71.1	-	-	-
Lmax	-	77.3	-	-	83.3	-	-	84.4	-	-	84.3	-	115
L90	-	-	63.1	-	-	62.4	-	-	62.8	-	-	63.1	-

Sources: ^{1/} Notification of the National Environment Board No.15, B.E. 2540 (1997), published in the Royal Government Gazette, Vol.114, Special Part 27D, dated April 3, B.E. 2540 (1997).
^{2/} Notification of Ministry of Industry, B.E. 2548 (2005), published in the Royal Government Gazette, Vol.123, Special Part 11D, dated January 25, B.E. 2549 (2006).

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Report No. : 2026-500006437-3 / 002-3 (Page 2 of 2)

Issued date: March 13, 2026

Client : GLOW SPP2 COMPANY LIMITED
Address : No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150
Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Ambient Noise
Measurement Location : บริเวณริ้วโครงการด้านทิศตะวันตกเฉียงเหนือ (UTM 47P 0732042E, 1402529N)
Calibrator Data : Model CR:515 Cirrus Research plc, Serial No. 88346
Sound Level Meter : Model NL-53, RION, Serial No. 00652277
Measurement Date : February 23 - March 2, 2026
Measured By : [Redacted]

Time	Sound Level [dB(A)]									Standard ^{1/2/}
	February 27-28, 2026			February 28-March 1, 2026			March 1-2, 2026			
	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	
10:00-11:00	64.5	77.8	64.0	65.2	73.2	64.5	64.3	72.7	63.7	
11:00-12:00	64.2	72.6	63.5	65.5	72.3	64.9	64.1	73.0	63.5	
12:00-13:00	63.8	84.4	63.0	65.1	76.4	64.6	64.4	71.6	63.9	
13:00-14:00	65.4	83.2	63.1	65.1	71.7	64.5	64.4	71.5	63.8	
14:00-15:00	64.9	69.4	63.6	65.5	74.5	64.7	64.5	71.7	64.0	
15:00-16:00	64.6	71.5	63.8	65.2	73.9	64.5	64.5	70.6	64.0	
16:00-17:00	64.9	71.2	63.8	65.1	70.0	64.6	64.6	71.1	64.2	
17:00-18:00	64.5	71.7	63.1	65.8	71.4	65.0	65.4	85.7	64.5	
18:00-19:00	63.5	75.1	63.0	66.2	70.8	65.6	65.1	72.5	64.6	
19:00-20:00	63.5	74.2	62.9	66.0	72.2	65.6	65.3	79.4	64.7	
20:00-21:00	63.5	79.7	62.9	67.6	74.8	66.6	65.3	73.2	64.8	
21:00-22:00	63.4	68.2	62.9	65.9	71.9	64.9	65.7	72.3	65.2	
22:00-23:00	63.7	68.2	63.2	66.1	72.1	65.1	65.4	78.4	64.7	
23:00-00:00	64.4	70.9	63.7	65.2	70.0	64.6	65.4	70.9	64.9	
00:00-01:00	65.8	77.7	64.4	65.0	72.4	64.1	65.3	71.6	64.9	
01:00-02:00	65.4	74.1	64.8	64.7	72.3	64.0	65.2	70.0	64.8	
02:00-03:00	66.0	72.3	65.2	65.1	70.7	64.4	65.1	69.4	64.6	
03:00-04:00	65.6	71.8	64.8	64.7	71.8	64.2	64.9	70.8	64.4	
04:00-05:00	65.5	70.8	64.9	64.6	69.9	64.1	65.1	70.7	64.5	
05:00-06:00	65.6	72.5	64.6	64.6	70.8	64.1	65.6	72.6	65.0	
06:00-07:00	65.0	72.5	64.3	66.1	74.4	64.4	65.4	72.7	64.8	
07:00-08:00	65.6	75.1	64.8	64.3	71.1	63.9	65.4	73.9	64.8	
08:00-09:00	65.2	71.1	64.7	64.1	72.8	63.7	65.0	77.1	64.5	
09:00-10:00	64.8	69.6	64.2	64.3	69.2	63.9	64.6	74.7	64.1	
Leq 24 hrs.	64.8	-	-	65.4	-	-	65.0	-	-	70
Ldn	71.6	-	-	71.6	-	-	71.6	-	-	-
Lmax	-	84.4	-	-	76.4	-	-	85.7	-	115
L90	-	-	63.1	-	-	64.2	-	-	64.1	-

Sources: ^{1/} Notification of the National Environment Board No.15, B.E. 2540 (1997), published in the Royal Government Gazette, Vol.114, Special Part 27D, dated April 3, B.E. 2540 (1997).
^{2/} Notification of Ministry of Industry, B.E. 2548 (2005), published in the Royal Government Gazette, Vol.123, Special Part 11D, dated January 25, B.E. 2549 (2006).

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Report No. : 2026-500006437-3 / 002-4 (Page 1 of 2)

Issued date: March 13, 2026

Client : GLOW SPP2 COMPANY LIMITED
Address : No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150
Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Ambient Noise
Measurement Location : บริเวณริมรั้วโครงการด้านทิศตะวันออก (47P 0732256E, 1402530N)
Calibrator Data : Model CR:515 Cirrus Research plc, Serial No. 88346
Calibration Value Reference: 94.0 dB(A) Pre Cal: 94.0 dB(A) Post Cal: 94.0 dB(A)
Sound Level Meter : Model NL-53, RION, Serial No. 00452080

Time	Sound Level [dB(A)]												Standard ^{1/2/}
	February 23-24, 2026			February 24-25, 2026			February 25-26, 2026			February 26-27, 2026			
	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	
11:00-12:00	67.0	85.3	66.5	66.1	86.2	63.6	66.7	86.7	66.0	66.4	80.1	65.6	
12:00-13:00	66.8	78.8	66.3	69.5	85.4	67.1	66.7	84.1	65.9	66.6	86.1	65.8	
13:00-14:00	67.0	82.9	66.5	66.5	84.7	64.4	67.0	84.8	66.1	66.9	85.2	66.3	
14:00-15:00	67.2	87.2	66.7	66.8	79.7	64.7	66.9	85.7	66.4	66.9	80.3	66.4	
15:00-16:00	67.0	80.0	66.5	66.8	84.3	65.9	67.0	79.7	66.3	67.1	86.2	66.5	
16:00-17:00	67.0	85.1	66.4	67.2	86.3	66.3	67.3	87.0	66.6	69.6	85.6	66.8	
17:00-18:00	67.0	86.1	66.4	67.3	79.3	66.2	66.9	84.9	66.3	68.4	87.3	66.3	
18:00-19:00	67.2	81.4	66.8	69.7	86.7	67.1	66.7	80.5	66.1	66.6	79.9	66.1	
19:00-20:00	67.1	85.4	66.5	68.2	79.9	66.4	66.6	85.7	66.0	66.8	85.4	66.3	
20:00-21:00	66.9	79.5	66.4	66.8	85.9	66.2	66.5	80.6	66.0	66.7	79.4	66.3	
21:00-22:00	67.0	85.3	66.4	66.6	85.4	65.9	66.7	86.8	66.1	66.8	84.9	66.3	
22:00-23:00	66.8	80.1	66.3	67.1	78.9	66.6	66.5	80.1	65.8	66.9	78.9	66.3	
23:00-00:00	67.1	84.9	66.5	67.1	84.5	66.4	66.8	86.7	66.1	67.0	85.0	66.4	
00:00-01:00	67.1	79.7	66.4	66.9	72.8	66.3	67.2	86.5	66.5	66.9	78.7	66.4	
01:00-02:00	66.9	86.0	66.3	67.1	85.8	66.4	67.0	71.3	66.4	67.1	85.4	66.5	
02:00-03:00	66.9	79.4	66.4	67.0	79.6	66.3	67.2	79.1	66.5	67.6	79.4	66.2	
03:00-04:00	66.9	86.0	66.4	66.9	85.7	66.3	67.3	84.6	66.6	66.9	86.0	66.3	
04:00-05:00	66.9	80.2	66.4	67.1	80.3	66.6	67.3	84.6	66.5	67.1	85.2	66.4	
05:00-06:00	66.9	85.7	66.3	67.1	71.5	66.6	67.4	72.2	66.6	68.8	77.2	66.9	
06:00-07:00	67.1	79.5	66.5	67.0	86.3	66.5	67.0	79.7	66.6	68.1	79.2	66.8	
07:00-08:00	66.9	87.4	66.4	67.1	85.7	66.5	67.4	85.0	66.8	67.4	85.1	66.8	
08:00-09:00	67.1	79.3	66.4	66.6	86.8	66.0	67.8	86.2	67.2	67.8	83.9	67.0	
09:00-10:00	74.1	91.5	66.4	66.6	73.2	66.1	67.1	74.5	66.4	67.3	80.3	66.8	
10:00-11:00	73.0	83.9	69.9	66.7	80.1	66.1	66.6	86.6	65.9	67.7	85.4	67.0	
Leq 24 hrs.	68.1	-	-	67.3	-	-	67.0	-	-	67.4	-	-	70
Ldn	73.7	-	-	73.5	-	-	73.5	-	-	73.8	-	-	-
Lmax	-	91.5	-	-	86.8	-	-	87	-	-	87.3	-	115
L90	-	-	66.4	-	-	66.0	-	-	66.1	-	-	66.3	-

Sources: ^{1/} Notification of the National Environment Board No.15, B.E. 2540 (1997), published in the Royal Government Gazette, Vol.114, Special Part 27D, dated April 3, B.E. 2540 (1997).
^{2/} Notification of Ministry of Industry, B.E. 2548 (1995), published in the Royal Government Gazette, Vol.118, Special Part 27D, dated January 25, B.E. 2549 (2006).

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Report No. : 2026-500006437-3 / 002-4 (Page 2 of 2)

Issued date: March 13, 2026

Client : GLOW SPP2 COMPANY LIMITED
Address : No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150
Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Ambient Noise
Measurement Location : บริเวณริมรั้วโครงการด้านทิศตะวันออก (47P 0732256E, 1402530N)
Calibrator Data : Model CR:515 Cirrus Research plc, Serial No. 88346
Calibration Value Reference: 94.0 dB(A) Pre Cal: 94.0 dB(A) Post Cal: 94.0 dB(A)
Sound Level Meter : Model NL-53, RION, Serial No. 00452080

Time	Sound Level [dB(A)]									Standard ^{1/2/}
	February 27-28, 2026			February 28-March 1, 2026			March 1-2, 2026			
	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	
11:00-12:00	66.6	81.3	65.7	67.0	76.8	66.1	66.0	86.6	65.2	
12:00-13:00	66.9	84.3	65.8	66.9	84.5	66.1	65.8	85.8	65.1	
13:00-14:00	67.8	86.5	65.3	66.7	86.4	65.7	66.5	87.3	65.4	
14:00-15:00	66.7	84.6	65.8	67.0	96.4	65.9	69.4	80.2	65.9	
15:00-16:00	66.4	85.5	65.5	66.7	85.1	65.9	65.5	86.3	65.1	
16:00-17:00	66.3	79.8	65.3	66.4	87.1	65.8	64.8	80.2	64.5	
17:00-18:00	65.8	84.9	65.0	66.9	79.1	66.0	64.6	85.9	64.2	
18:00-19:00	65.6	80.8	65.0	66.8	84.8	66.1	64.8	85.1	64.5	
19:00-20:00	65.2	86.1	64.4	66.2	70.1	65.7	64.8	85.0	64.5	
20:00-21:00	65.2	87.1	64.3	67.1	85.2	66.4	65.1	67.5	64.8	
21:00-22:00	65.5	70.0	64.9	66.5	79.2	65.8	65.4	80.8	65.1	
22:00-23:00	65.7	79.4	65.1	66.5	86.1	65.7	65.7	85.5	65.4	
23:00-00:00	66.3	86.1	65.6	66.3	79.3	65.9	65.9	69.4	65.6	
00:00-01:00	66.7	79.7	65.7	66.3	85.5	65.7	66.1	85.2	65.8	
01:00-02:00	66.6	84.5	66.0	66.2	70.5	65.6	66.2	79.1	66.0	
02:00-03:00	67.0	80.4	66.3	66.3	80.2	65.7	66.2	85.7	65.9	
03:00-04:00	67.0	86.1	66.3	66.2	85.8	65.5	66.1	84.4	65.8	
04:00-05:00	66.9	79.7	66.3	66.2	85.3	65.5	66.3	69.9	65.9	
05:00-06:00	66.5	86.4	65.7	66.3	71.9	65.6	66.2	79.9	65.9	
06:00-07:00	66.2	71.6	65.5	66.4	79.6	65.6	66.2	85.6	65.7	
07:00-08:00	66.3	80.7	65.6	66.0	86.2	65.2	66.1	86.0	65.8	
08:00-09:00	66.5	85.9	65.7	66.1	86.0	65.4	66.1	80.1	65.6	
09:00-10:00	66.7	87.4	65.9	66.2	87.1	65.5	67.1	87.0	66.4	
10:00-11:00	67.1	84.7	66.2	66.0	71.2	65.4	67.1	79.5	66.7	
Leq 24 hrs.	66.4	-	-	66.5	-	-	66.1	-	-	70
Ldn	72.9	-	-	72.7	-	-	72.5	-	-	-
Lmax	-	87.4	-	-	96.4	-	-	87.3	-	115
L90	-	-	65.1	-	-	65.6	-	-	64.7	-

Sources: ^{1/} Notification of the National Environment Board No.15, B.E. 2540 (1997), published in the Royal Government Gazette, Vol.114, Special Part 27D, dated April 3, B.E. 2540 (1997).
^{2/} Notification of Ministry of Industry, B.E. 2548 (2005), published in the Royal Government Gazette, Vol.123, Special Part 11D, dated January 25, B.E. 2549 (2006).

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ภาคผนวก ก-4

ผลการติดตามตรวจสอบคุณภาพน้ำทิ้ง



Report No.

: 2026-500006437/ 001 (Page 1 of 1)

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Issued date:

January 26, 2026

Analysis Report

Sample Type

: Wastewater

Sampling Location

: บ่อพักน้ำทิ้งแห่งที่ 1

Sampling By

:

Laboratory Name

: SGS (Thailand) Limited (๓-197)

Sample Condition

: Turbid, brown, with sediment

Sampling Date

: January 7, 2026

Sampling Time

: 15:04 hr.

Received Date

: January 7, 2026

Analysis Date

: January 7-14, 2026

Parameter	Unit	Method	Result	Standard ^{1/}
pH	-	SM 4500-H ⁺ B	8.4	5.5-9.0
Biochemical Oxygen Demand (BOD)	mg/L	SM 5210 B	17	≤500
Chemical Oxygen Demand (COD)	mg/L	SM 5220 C	43	≤750
Oil and Grease	mg/L	SM 5520 B	<2	≤10
Total Suspended Solids (TSS)	mg/L	SM 2540 D	11	≤200

Remarks: - SM = Standard Methods for the Examination of Water and Wastewater, recommended by APHA, AWWA&WEF 24th ed., 2023

Sources: ^{1/} Notification of the Industrial Estate Authority of Thailand No. 029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.



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Report No.

: 2026-500006437-2 / 001 (Page 1 of 1)

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Issued date:

February 18, 2026

Analysis Report

Sample Type

: Wastewater

Sampling Location

: บ่อพักน้ำทิ้งแห่งที่ 1

Sampling By

:

Laboratory Name

: SGS (Thailand) Limited (๓-197)

Sample Condition

: Turbid brown, with sediment

Sampling Date

: February 4, 2026

Sampling Time

: 15:26 hr.

Received Date

: February 4, 2026

Analysis Date

: February 4-13, 2026

Parameter	Unit	Method	Result	Standard ^{1/}
pH	-	SM 4500-H ⁺ B	8.2	5.5-9.0
Biochemical Oxygen Demand (BOD)	mg/L	SM 5210 B	18	≤500
Chemical Oxygen Demand (COD)	mg/L	SM 5220 C	86	≤750
Oil and Grease	mg/L	SM 5520 B	<2	≤10
Total Suspended Solids (TSS)	mg/L	SM 2540 D	6.9	≤200

Remarks: - SM = Standard Methods for the Examination of Water and Wastewater, recommended by APHA, AWWA&WEF 24th ed., 2023.

Sources: ^{1/} Notification of the Industrial Estate Authority of Thailand No. 029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.



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Report No.

: 2026-500006437-4 / 001 (Page 1 of 1)

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Issued date:

March 17, 2026

Analysis Report

Sample Type

: Wastewater

Sampling Location

: บ่อพักน้ำทิ้งแห่งที่ 1

Sampling By

:

Laboratory Name

: SGS (Thailand) Limited (๓-197)

Sample Condition

: Turbid brown, with sediment

Sampling Date

: March 4, 2026

Sampling Time

: 15:45 hr.

Received Date

: March 4, 2026

Analysis Date

: March 4-17, 2026

Parameter	Unit	Method	Result	Standard ^{1/}
pH	-	SM 4500-H ⁺ B	8.2	5.5-9.0
Biochemical Oxygen Demand (BOD)	mg/L	SM 5210 B	11	≤500
Chemical Oxygen Demand (COD)	mg/L	SM 5220 C	68	≤750
Oil and Grease	mg/L	SM 5520 B	<2	≤10
Total Suspended Solids (TSS)	mg/L	SM 2540 D	12	≤200

Remarks: - SM = Standard Methods for the Examination of Water and Wastewater, recommended by APHA, AWWA&WEF 24th ed., 2023.

Sources: ^{1/} Notification of the Industrial Estate Authority of Thailand No. 029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.



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Report No.

: 2026-500007209-1 / 001 (Page 1 of 1)

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Issued date:

April 22, 2026

Analysis Report

Sample Type

: Wastewater

Sampling Location

: บ่อพักน้ำทิ้งแห่งที่ 1

Sampling By

:

Laboratory Name

: SGS (Thailand) Limited (๓-197)

Sample Condition

: Turbid brown, with sediment

Sampling Date

: April 1, 2026

Sampling Time

: 14:40 hr.

Received Date

: April 1, 2026

Analysis Date

: April 1-22, 2026

Parameter	Unit	Method	Result	Standard ^{1/}
pH	-	SM 4500-H ⁺ B	8.7	5.5-9.0
Biochemical Oxygen Demand (BOD)	mg/L	SM 5210 B	11	≤500
Chemical Oxygen Demand (COD)	mg/L	SM 5220 C	85	≤750
Oil and Grease	mg/L	SM 5520 B	<2	≤10
Total Suspended Solids (TSS)	mg/L	SM 2540 D	2.7	≤200

Remarks: - SM = Standard Methods for the Examination of Water and Wastewater, recommended by APHA, AWWA&WEF 24th ed., 2023.

Sources: ^{1/} Notification of the Industrial Estate Authority of Thailand No. 029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.



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Report No.

: 2026-500007209-3 / 001-1 (Page 1 of 1)

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 11, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Issued date:

May 21, 2026

Analysis Report

Sample Type

: Wastewater

Sampling Location

: บ่อพักน้ำทิ้งแห่งที่ 1

Sampling By

Laboratory Name

: SGS (Thailand) Limited (๑-197)

Sample Condition

: Turbid brown, with sediment

Sampling Date

: May 6, 2026

Sampling Time

: 14:16 hr.

Received Date

: May 6, 2026

Analysis Date

: May 6-20, 2026

Parameter	Unit	Method	Result	Standard ^{1/}
pH	-	SM 4500-H ⁺ B	8.4	5.5-9.0
Biochemical Oxygen Demand (BOD)	mg/L	SM 5210 B	4	≤500
Chemical Oxygen Demand (COD)	mg/L	SM 5220 C	<40	≤750
Oil and Grease	mg/L	SM 5520 B	3	≤10
Total Suspended Solids (TSS)	mg/L	SM 2540 D	9.3	≤200

Remarks:

- SM = Standard Methods for the Examination of Water and Wastewater, recommended by APHA, AWWA&WEF 24th ed., 2023.

- The COD measured value was 26 mg/L, which is below the limit of quantitation (LOQ) and not within the DIW registered scope

Sources:

^{1/} Notification of the Industrial Estate Authority of Thailand No. 029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.



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Report No. : 2026-500007209-3 / 001-2 (Page 1 of 1)

Issued date: May 21, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 11, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Wastewater

Sampling Location : จดระบายน้ำทิ้งจาก Oil Separator

Sampling By : [REDACTED]

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

Sample Condition : Clear and Colorless

Sampling Date : May 6, 2026

Sampling Time : 14:26 hr.

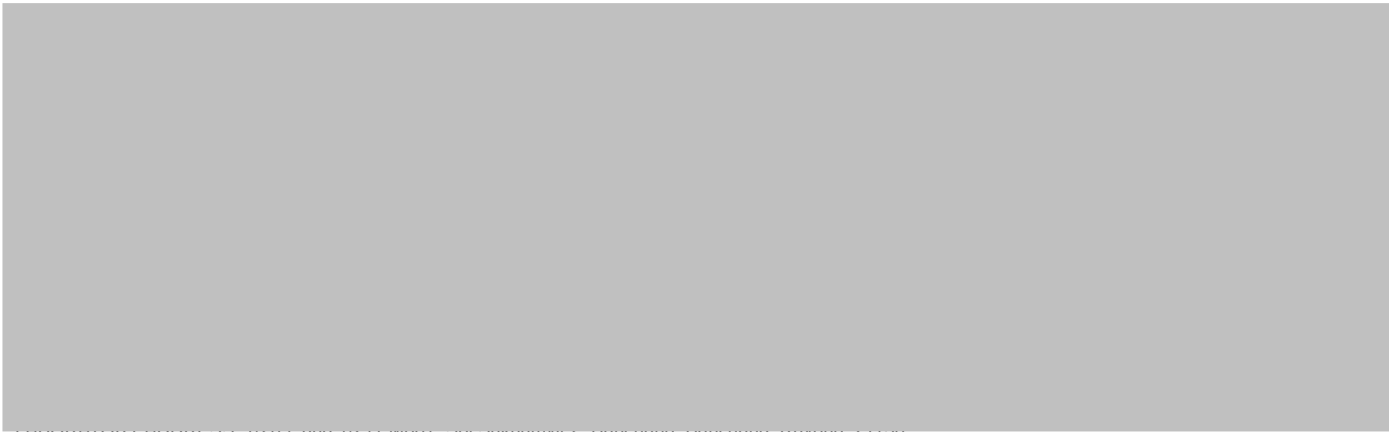
Received Date : May 6, 2026

Analysis Date : May 6-20, 2026

Parameter	Unit	Method	Result	Standards ^{1/ 2/ 3/}
pH	-	SM 4500-H ⁺ B	7.5	5.5-9.0
Biochemical Oxygen Demand (BOD)	mg/L	SM 5210 B	<2	≤20
Chemical Oxygen Demand (COD)	mg/L	SM 5220 C	<40	≤120
Oil and Grease	mg/L	SM 5520 B	<2	≤5
Total Suspended Solids (TSS)	mg/L	SM 2540 D	<2.5	≤50

Remarks: - SM = Standard Methods for the Examination of Water and Wastewater, recommended by APHA, AWWA&WEF 24th ed., 2023.
- The COD measured value was 6 mg/L, which is below the limit of quantitation (LOQ) and not within the DIW registered scope

Sources: ^{1/} Notification of the Ministry of Natural Resources and Environment B.E 2559 (2016), Subject: Setting standards to control wastewater discharge from industrial factories, industrial estates and industrial zones. published in the Royal Government Gazette Vol.133, Part special 129D, date June 6, B.E 2559 (2016).
^{2/} Notification of Ministry of Industry B.E 2560 (2017), published in the Royal Government Gazette Vol.134, Part special 153D, date June 7, B.E 2560 (2017).
^{3/} Notification of the Ministry of Natural Resources and Environment B.E 2565 (2022) Subject: Setting standards for controlling wastewater discharge from power generation plants, published in the Royal Government Gazette Vol.139, Part special 238D, date October 6, B.E 2565 (2022).



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Report No.

: 2026-500007682-1 / 001 (Page 1 of 1)

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Issued date: June 23, 2026

Analysis Report

Sample Type

: Wastewater

Sampling Location

: บ่อพักน้ำทิ้งแห่งที่ 1

Sampling By

: [REDACTED] (จ-197-จ-0002)

Laboratory Name

: SGS (Thailand) Limited (จ-197)

Sample Condition

: Turbid brown, with sediment

Sampling Date

: June 4, 2026

Sampling Time

: 13:40 hr.

Received Date

: June 4, 2026

Analysis Date

: June 4-18, 2026

Parameter	Unit	Method	Result	Standard ^{1/}
pH	-	SM 4500-H ⁺ B	8.2	5.5-9.0
Biochemical Oxygen Demand (BOD)	mg/L	SM 5210 B	15	≤500
Chemical Oxygen Demand (COD)	mg/L	SM 5220 C	73	≤750
Oil and Grease	mg/L	SM 5520 B	<2	≤10
Total Suspended Solids (TSS)	mg/L	SM 2540 D	6.2	≤200

Remarks: - SM = Standard Methods for the Examination of Water and Wastewater, recommended by APHA, AWWA&WEF 24th ed., 2023.

Sources: ^{1/} Notification of the Industrial Estate Authority of Thailand No. 029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

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ภาคผนวก ก-5

ผลการติดตามตรวจสอบระดับความร้อน
บริเวณพื้นที่โครงการ



Report No. : 2026-500007209-2 / 001-1 (Page 1 of 2)

Issued date: May 13, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial Estate, Muang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Heat Stress

Measurement Date : April 27, 2026

Measurement Location : Glow SPP 2 Co., Ltd.
(Replacement Project)

Measured by : 

Heat Stress Monitor No. : H.1: Model QT-34, 3M thailand Co.,Ltd. Serial No. TEM030026
H.2: Model QT-34, 3M thailand Co.,Ltd. Serial No. TEM030027

Station	Type	Period (hrs.)	T _{NWB} (°C) (Wet-bulb)	T _{DB} (°C) (Dry-bulb)	T _{GT} (°C) (Globe)	T _{WBGT} (°C)	Average Heat Stress (WBGT, °C)
1. บริเวณเครื่องผลิตไฟฟ้าแบบกังหันก๊าซ ชุดที่ 1 (CTG 71 หน้าเครื่อง Lube Oil after cooler) (H1)	Outdoor	10:21-12:21	27.1	34.0	37.3	29.8	29.8
2. บริเวณเครื่องผลิตไฟฟ้าแบบกังหันก๊าซ ชุดที่ 2 (CTG 72 หน้าเครื่อง Lube Oil after cooler) (H2)	Outdoor	10:36-12:36	27.1	33.6	38.1	30.0	30.0
Standard ^{1/} -Light Work							Not more than 34

Remarks : - Sampling and analytical method was followed the Standard Method of National Institute for Occupational Safety and Health (NIOSH)

- Work load category is determined by averaging metabolic rates for tasks as follows;

1) Light work : <200 kcal/hour

2) Moderate work : >200-350 kcal/hour

3) Heavy work : >350-500 kcal/hour

Source : ^{1/} Ministerial Regulation on the Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E. 2559, published in the Royal Government Gazette, Vol.133 Part 91A, dated October 17, B.E. 2559 (2016).

TY/CW/SJS/SJS

S



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Report No. : 2026-500007209-2 / 001-1 (Page 2 of 2)

Issued date: May 13, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial Estate, Muang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Heat Stress

Measurement Date : April 27, 2026

Measurement Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Measured by : [Redacted]

Heat Stress Monitor No. : H.3: Model QT-34, 3M thailand Co.,Ltd. Serial No. TEM030023

H.4: Model QT-36, 3M thailand Co.,Ltd. Serial No. TKR030002

Station	Type	Period (hrs.)	T _{NWB} (°C) (Wet-bulb)	T _{DB} (°C) (Dry-bulb)	T _{GT} (°C) (Globe)	T _{WBGT} (°C)	Average Heat Stress (WBGT, °C)
3. บริเวณเครื่องผลิตไอน้ำโดยการนำความร้อนที่เหลือกลับมาใช้ใหม่ ชุดที่ 1 (CTG-71 Analyzer) (H3)	Outdoor	10:22-12:22	27.1	33.7	34.5	29.3	29.3
4.บริเวณเครื่องผลิตไอน้ำโดยการนำความร้อนที่เหลือกลับมาใช้ใหม่ ชุดที่ 2 (CTG-72 Block1 #Sampling 2) (H4)	Outdoor	10:30-12:30	26.8	32.8	34.0	28.8	28.8
Standard ^{1/} -Light Work							Not more than 34

Remarks :

- Sampling and analytical method was followed the Standard Method of National Institute for Occupational Safety and Health (NIOSH)
- Work load category is determined by averaging metabolic rates for tasks as follows:
 - 1) Light work : <200 kcal/hour
 - 2) Moderate work : >200-350 kcal/hour
 - 3) Heavy work : >350-500 kcal/hour

Source : ^{1/} Ministerial Regulation on the Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E. 2559, published in the Royal Government Gazette, Vol.133 Part 91A, dated October 17, B.E. 2559 (2016).

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ภาคผนวก ก-6

ผลการติดตามตรวจสอบระดับเสียง
บริเวณพื้นที่โครงการ



Report No.

: 2026-500006437-3 / 005-1 (Page 1 of 1)

Issued date: March 16, 2026

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type

: Workplace Noise Level

Sampling Date

: February 26, 2026

Sampling Location

: บริเวณพื้นที่เครื่องผลิตไฟฟ้าแบบกังหันก๊าซชุดที่ 1 (CTG-71 หน้า Gas Turbine)

Measured By

:

Calibration Data

: Model CR:515, Cirrus, Serial No. 88336

Calibration Value Reference: 94.0 dB(A), Pre Cal. : 93.8 dB(A), Post Cal. : 93.8 dB(A)

Sound level Meter NO.

: Model ST-21D, SCARLET, Serial No. 820705

Period	Noise Level [dB(A)]	Standard ^{1/}
10:00-11:00	81.9	-
11:00-12:00	82.0	
12:00-13:00	81.9	
13:00-14:00	82.4	
14:00-15:00	81.7	
15:00-16:00	81.8	
16:00-17:00	81.7	
17:00-18:00	81.8	
Leq 8 hrs	81.9	90
Lmax	95.8	140

Remarks

: - Measurement and Calculation followed by ISO 1996-2:2017

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.

: 2026-500006437-3 / 005-2 (Page 1 of 1)

Issued date: March 16, 2026

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type

: Workplace Noise Level

Sampling Date

: February 26, 2026

Sampling Location

: บริเวณพื้นที่บริเวณผลิตไฟฟ้าแบบกังหันก๊าซชุดที่ 1 (CTG-71 หน้า Gas Turbine)

Measured By

Calibration Data

: Model CR:515, Cirrus, Serial No. 88336

Calibration Value Reference: 94.0 dB(A), Pre Cal.: 93.8 dB(A), Post Cal.: 93.8 dB(A)

Sound level Meter NO.

: Model ST-21D, SCARLET, Serial No. 820705

Period	Noise Level [dB(A)]	Standard ^{1/}
10:00-11:00	81.9	
11:00-12:00	82.0	
12:00-13:00	81.9	
13:00-14:00	82.4	
14:00-15:00	81.7	
15:00-16:00	81.8	
16:00-17:00	81.7	
17:00-18:00	81.8	
18:00-19:00	81.6	
19:00-20:00	81.4	
20:00-21:00	81.5	
21:00-22:00	81.6	
Leq 12 hrs	81.8	87
Lmax	95.8	140

Remarks

: - Measurement and Calculation followed by ISO 1996-2:2017

Source

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

TY/RS/SJS/SJS

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

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Report No.

: 2026-500006437-3 / 005-3 (Page 1 of 1)

Issued date:

March 16, 2026

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type

: Workplace Noise Level

Sampling Date

: February 26, 2026

Sampling Location

: บริเวณพื้นที่เครื่องผลิตไฟฟ้าแบบกังหันก๊าซ ชุดที่ 1 CTG-71 (HRSG)

Measured By

:

Calibration Data

: Model CR:515, Cirrus, Serial No. 88336

Calibration Value Reference: 94.0 dB(A), Pre Cal.: 93.8 dB(A), Post Cal. : 93.8 dB(A)

Sound level Meter NO.

: Model ST-21D, SCARLET, Serial No. 820706

Period	Noise Level [dB(A)]	Standard ^{1/}
10:00-11:00	83.6	-
11:00-12:00	83.5	
12:00-13:00	83.2	
13:00-14:00	83.4	
14:00-15:00	82.6	
15:00-16:00	82.5	
16:00-17:00	82.5	
17:00-18:00	82.4	
Leq 8 hrs	83.0	90
Lmax	96.3	140

Remarks

: - Measurement and Calculation followed by ISO 1996-2:2017

Source

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

TY/RS/SJS/SJS

LABORATORY ADDRESS: 1/209, and 1/211 Moo1, Soi Sukhumvit 2, Bangchang, Bangchang, Rayong, 21150

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Report No.

: 2026-500006437-3 / 005-4 (Page 1 of 1)

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Issued date:

March 16, 2026

Analysis Report

Sample Type

: Workplace Noise Level

Sampling Date

: February 26, 2026

Sampling Location

: บริเวณพื้นที่เครื่องผลิตไฟฟ้าแบบกังหันก๊าซ ชุดที่ 1 CTG-71 (HRSG)

Measured By

: [REDACTED]

Calibration Data

: Model CR:515, Cirrus, Serial No. 88336

Calibration Value Reference: 94.0 dB(A), Pre Cal.: 93.8 dB(A), Post Cal.: 93.8 dB(A)

Sound level Meter NO.

: Model ST-21D, SCARLET, Serial No. 820706

Period	Noise Level [dB(A)]	Standard ^{1/}
10:00-11:00	83.6	
11:00-12:00	83.5	
12:00-13:00	83.2	
13:00-14:00	83.4	
14:00-15:00	82.6	
15:00-16:00	82.5	
16:00-17:00	82.5	
17:00-18:00	82.4	
18:00-19:00	82.4	
19:00-20:00	82.0	
20:00-21:00	82.2	
21:00-22:00	82.4	
Leq 12 hrs	82.8	87
Lmax	96.3	140

Remarks

: - Measurement and Calculation followed by ISO 1996-2:2017

Source

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

TY/RS/SJS/SJS



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

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Report No.

: 2026-500006437-3 / 005-5 (Page 1 of 1)

Issued date:

March 16, 2026

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type

: Workplace Noise Level

Sampling Date

: February 26, 2026

Sampling Location

: บริเวณพื้นที่เครื่องผลิตไฟฟ้าแบบกังหันก๊าซชุดที่ 2 (CTG 72 หน้า Gas Turbine)

Measured By

Calibration Data

: Model CR:515, Cirrus, Serial No. 88336

Calibration Value Reference: 94.0 dB(A), Pre Cal.: 93.8 dB(A), Post Cal. : 93.8 dB(A)

Sound level Meter NO.

: Model ST-21D, SCARLET, Serial No. 820707

Period	Noise Level [dB(A)]	Standard ^{1/}
10:00-11:00	80.6	-
11:00-12:00	80.6	
12:00-13:00	80.4	
13:00-14:00	80.7	
14:00-15:00	80.3	
15:00-16:00	80.5	
16:00-17:00	80.6	
17:00-18:00	80.7	
Leq 8 hrs	80.6	90
Lmax	92.3	140

Remarks

: - Measurement and Calculation followed by ISO 1996-2:2017

Source

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

TY/RS/SJS/SJS

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Report No.

: 2026-500006437-3 / 005-6 (Page 1 of 1)

Issued date: March 16, 2026

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type

: Workplace Noise Level

Sampling Date

: February 26, 2026

Sampling Location

: บริเวณพื้นที่เครื่องผลิตไฟฟ้าแบบกังหันก๊าซชุดที่ 2 (CTG 72 หน้า Gas Turbine)

Measured By

:

Calibration Data

: Model CR:515, Cirrus, Serial No. 88336

Calibration Value Reference: 94.0 dB(A), Pre Cal.: 93.8 dB(A), Post Cal.: 93.8 dB(A)

Sound level Meter NO.

: Model ST-21D, SCARLET, Serial No. 820707

Period	Noise Level [dB(A)]	Standard ^{1/}
10:00-11:00	80.6	
11:00-12:00	80.6	
12:00-13:00	80.4	
13:00-14:00	80.7	
14:00-15:00	80.3	
15:00-16:00	80.5	
16:00-17:00	80.6	
17:00-18:00	80.7	
18:00-19:00	80.9	
19:00-20:00	80.5	
20:00-21:00	80.7	
21:00-22:00	80.6	
Leq 12 hrs	80.6	87
Lmax	92.3	140

Remarks

: - Measurement and Calculation followed by ISO 1996-2:2017

Source

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

TY/RS/SJS/SJS

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

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Report No.

: 2026-500006437-3 / 005-7 (Page 1 of 1)

Issued date: March 16, 2026

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type

: Workplace Noise Level

Sampling Date

: February 26, 2026

Sampling Location

: บริเวณพื้นที่เครื่องผลิตไฟฟ้าแบบกังหันก๊าซ ชุดที่ 2 CTG-72 (HRSG)

Measured By

:

Calibration Data

: Model CR:515, Cirrus, Serial No. 88336

Calibration Value Reference: 94.0 dB(A), Pre Cal.: 93.8 dB(A), Post Cal. : 93.8 dB(A)

Sound level Meter NO.

: Model ST-21D, SCARLET, Serial No. 820708

Period	Noise Level [dB(A)]	Standard ^{1/}
10:00-11:00	84.4	-
11:00-12:00	84.9	
12:00-13:00	83.8	
13:00-14:00	85.2	
14:00-15:00	84.8	
15:00-16:00	84.8	
16:00-17:00	84.5	
17:00-18:00	84.8	
Leq 8 hrs	84.7	90
Lmax	101.2	140

Remarks

: - Measurement and Calculation followed by ISO 1996-2:2017

Source

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

TY/RS/SJS/SJS

LABORATORY ADDRESS: 1/209, and 1/211 Moo1, Soi Sukhumvit 2, Bangnaeng, Bangnaeng, Rayong, 21150

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Report No.

: 2026-500006437-3 / 005-8 (Page 1 of 1)

Issued date: March 16, 2026

Client

: GLOW SPP2 COMPANY LIMITED

Address

: No. 8, I-6 Road, Map Ta Phut Industrial, Mueang, Rayong 21150

Project Location

: Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type

: Workplace Noise Level

Sampling Date

: February 26, 2026

Sampling Location

: บริเวณพื้นที่เครื่องผลิตไฟฟ้าแบบกังหันก๊าซ ชุดที่ 2 CTG-72 (HRSG)

Measured By

:

Calibration Data

: Model CR:515, Cirrus, Serial No. 88336

Calibration Value Reference: 94.0 dB(A), Pre Cal.: 93.8 dB(A), Post Cal.: 93.8 dB(A)

Sound level Meter NO.

: Model ST-21D, SCARLET, Serial No. 820708

Period	Noise Level [dB(A)]	Standard ^{1/}
10:00-11:00	84.4	
11:00-12:00	84.9	
12:00-13:00	83.8	
13:00-14:00	85.2	
14:00-15:00	84.8	
15:00-16:00	84.8	
16:00-17:00	84.5	
17:00-18:00	84.8	
18:00-19:00	84.8	
19:00-20:00	84.8	
20:00-21:00	84.1	
21:00-22:00	84.9	
Leq 12 hrs	84.7	87
Lmax	101.2	140

Remarks

: - Measurement and Calculation followed by ISO 1996-2:2017

Source

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

TY/RS/SJS/SJS

LABORATORY ADDRESS: 1/209, and 1/211 Moo1, Soi Sukhumvit 2, Bangnaeng, Bangnaeng, Rayong, 21150

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Report No. : 2026-500007209-2 / 004-1 (Page 1 of 1)

Issued date: May 13, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial Estate, Muang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Workplace Noise Level

Measurement Date : April 27, 2026

Measurement Location : บริเวณพื้นที่เครื่องผลิตไฟฟ้าแบบกังหันก๊าซชุดที่ 1 (CTG-71 หน้า Generator)

Measured by : [REDACTED]

Calibration Data : Model CR:515, Cirrus, Serial No. 88336

Calibration Value Reference: 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)

Sound Level Meter NO. : Scarlet, Model ST-21D, Serial No. 82710

Period	Noise Level [dB(A)]	Standard ^{1/}
10:00-11:00	80.2	-
11:00-12:00	80.1	
12:00-13:00	80.3	
13:00-14:00	80.7	
14:00-15:00	80.6	
15:00-16:00	80.6	
16:00-17:00	80.4	
17:00-18:00	80.2	
Leq 8 hrs	80.4	90
Lmax	82.9	140

Remarks : - Measurement and Calculation followed by ISO 1996-2:2017

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

TY/RS/SJS/SJS

LABORATORY ADDRESS: 1/209, and 1/211 Moo1, Soi Sukhumvit 11, Klongton Nuea, Bangkok 10110

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Report No. : 2026-500007209-2 / 004-2 (Page 1 of 1)

Issued date: May 13, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial Estate, Muang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Workplace Noise Level

Measurement Date : April 27, 2026

Measurement Location : บริเวณพื้นที่เครื่องผลิตไฟฟ้าแบบกังหันก๊าซชุดที่ 1 (CTG-71 หน้า Generator)

Measured by : [Redacted]

Calibration Data : Model CR:515, Cirrus, Serial No. 88336

Calibration Value Reference: 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)

Sound Level Meter NO. : Scarlet, Model ST-21D, Serial No. 82710

Period	Noise Level [dB(A)]	Standard ^{1/}
10:00-11:00	80.2	-
11:00-12:00	80.1	
12:00-13:00	80.3	
13:00-14:00	80.7	
14:00-15:00	80.6	
15:00-16:00	80.6	
16:00-17:00	80.4	
17:00-18:00	80.2	
18:00-19:00	80.2	
19:00-20:00	80.0	
20:00-21:00	79.8	
21:00-22:00	79.6	
Leq 12 hrs	80.2	87
Lmax	82.9	140

Remarks : - Measurement and Calculation followed by ISO 1996-2:2017

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

TY/RS/SJS/SJS

LABORATORY ADDRESS: 1/209, and 1/211 Moo1, Soi Sukhumvit 111, Klongton Nuea, Bangkok 10110

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Report No. : 2026-500007209-2 / 004-3 (Page 1 of 1)

Issued date: May 13, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial Estate, Muang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Workplace Noise Level

Measurement Date : April 27, 2026

Measurement Location : บริเวณพื้นที่เครื่องผลิตไฟฟ้าแบบกังหันก๊าซ ชุดที่ 1 CTG-71 (HRSG)

Measured by : [Redacted]

Calibration Data : Model CR:515, Cirrus, Serial No. 88336
Calibration Value Reference: 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)

Sound Level Meter NO. : Scarlet, Model ST-21D, Serial No. 82714

Period	Noise Level [dB(A)]	Standard ^{1/}
10:00-11:00	78.8	-
11:00-12:00	78.7	
12:00-13:00	78.9	
13:00-14:00	79.0	
14:00-15:00	78.8	
15:00-16:00	79.0	
16:00-17:00	79.1	
17:00-18:00	79.2	
Leq 8 hrs	78.9	90
Lmax	84.7	140

Remarks : - Measurement and Calculation followed by ISO 1996-2:2017

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

TY/RS/SJS/SJS



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Report No. : 2026-500007209-2 / 004-4 (Page 1 of 1)

Issued date: May 13, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial Estate, Muang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Workplace Noise Level

Measurement Date : April 27, 2026

Measurement Location : บริเวณพื้นที่เครื่องผลิตไฟฟ้าแบบกังหันก๊าซ ชุดที่ 1 CTG-71 (HRSG)

Measured by : [Redacted]

Calibration Data : [Redacted], Serial No. 88336

Calibration Value Reference: 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)

Sound Level Meter NO. : Scarlet, Model ST-21D, Serial No. 82714

Period	Noise Level [dB(A)]	Standard ^{1/}
10:00-11:00	78.8	-
11:00-12:00	78.7	
12:00-13:00	78.9	
13:00-14:00	79.0	
14:00-15:00	78.8	
15:00-16:00	79.0	
16:00-17:00	79.1	
17:00-18:00	79.2	
18:00-19:00	79.3	
19:00-20:00	79.1	
20:00-21:00	79.2	
21:00-22:00	79.3	
Leq 12 hrs	79.0	87
Lmax	84.7	140

Remarks : - Measurement and Calculation followed by ISO 1996-2:2017

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



TY/RS/SJS/SJS

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

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Report No. : 2026-500007209-2 / 004-5 (Page 1 of 1)

Issued date: May 13, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial Estate, Muang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Workplace Noise Level

Measurement Date : April 27, 2026

Measurement Location : บริเวณพื้นที่เครื่องผลิตไฟฟ้าแบบกังหันก๊าซชุดที่ 2 (CTG 72 หน้า Gas Turbine)

Measured by : [Redacted]

Calibration Data : Model CR:515, Cirrus, Serial No. 88336
Calibration Value Reference: 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)

Sound Level Meter NO. : Scarlet, Model ST-21D, Serial No. 820718

Period	Noise Level [dB(A)]	Standard ^{1/}
10:00-11:00	80.5	-
11:00-12:00	80.6	
12:00-13:00	80.9	
13:00-14:00	81.2	
14:00-15:00	80.8	
15:00-16:00	80.7	
16:00-17:00	80.9	
17:00-18:00	80.9	
Leq 8 hrs	80.8	90
Lmax	86.5	140

Remarks : - Measurement and Calculation followed by ISO 1996-2:2017

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. : 2026-500007209-2 / 004-6 (Page 1 of 1)

Issued date: May 13, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial Estate, Muang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Workplace Noise Level

Measurement Date : April 27, 2026

Measurement Location : บริเวณพื้นที่เครื่องผลิตไฟฟ้าแบบกังหันก๊าซชุดที่ 2 (CTG 72 หน้า Gas Turbine)

Measured by : [Redacted]

Calibration Data : Model CR-515, Cirtus, Serial No. 88336
Calibration Value Reference: 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)

Sound Level Meter NO. : Scarlet, Model ST-21D, Serial No. 820718

Period	Noise Level [dB(A)]	Standard ^{1/}
10:00-11:00	80.5	-
11:00-12:00	80.6	
12:00-13:00	80.9	
13:00-14:00	81.2	
14:00-15:00	80.8	
15:00-16:00	80.7	
16:00-17:00	80.9	
17:00-18:00	80.9	
18:00-19:00	81.0	
19:00-20:00	80.9	
20:00-21:00	80.9	
21:00-22:00	80.8	
Leq 12 hrs	80.8	87
Lmax	86.5	140

Remarks : - Measurement and Calculation followed by ISO 1996-2:2017

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. : 2026-500007209-2 / 004-7 (Page 1 of 1)

Issued date: May 13, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial Estate, Muang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Workplace Noise Level

Measurement Date : April 27, 2026

Measurement Location : บริเวณพื้นที่เครื่องผลิตไฟฟ้าแบบกังหันก๊าซ ชุดที่ 2 CTG-72 (HRSG)

Measured by : [Redacted]

Calibration Data : [Redacted] Serial No. 88336

Calibration Value Reference: 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)

Sound Level Meter NO. : Scarlet, Model ST-21D, Serial No. 820716

Period	Noise Level [dB(A)]	Standard ^{1/}
10:00-11:00	81.7	-
11:00-12:00	81.8	
12:00-13:00	82.0	
13:00-14:00	82.1	
14:00-15:00	82.1	
15:00-16:00	82.0	
16:00-17:00	82.1	
17:00-18:00	82.1	
Leq 8 hrs	82.0	90
Lmax	86.5	140

Remarks : - Measurement and Calculation followed by ISO 1996-2:2017

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. : 2026-500007209-2 / 004-8 (Page 1 of 1)

Issued date: May 13, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial Estate, Muang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Workplace Noise Level

Measurement Date : April 27, 2026

Measurement Location : บริเวณพื้นที่เครื่องผลิตไฟฟ้าแบบกังหันก๊าซ ชุดที่ 2 CTG-72 (HRSG)

Measured by : [Redacted]

Calibration Data : Model CR-515, Cinius, Serial No. 88336
Calibration Value Reference: 94.0 dB(A), Pre Cal. : 93.7 dB(A), Post Cal. : 93.7 dB(A)

Sound Level Meter NO. : Scarlet, Model ST-21D, Serial No. 820716

Period	Noise Level [dB(A)]	Standard ^{1/}
10:00-11:00	81.7	-
11:00-12:00	81.8	
12:00-13:00	82.0	
13:00-14:00	82.1	
14:00-15:00	82.1	
15:00-16:00	82.0	
16:00-17:00	82.1	
17:00-18:00	82.1	
18:00-19:00	82.2	
19:00-20:00	82.2	
20:00-21:00	82.2	
21:00-22:00	81.9	
Leq 12 hrs	82.0	87
Lmax	86.5	140

Remarks : - Measurement and Calculation followed by ISO 1996-2:2017

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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ภาคผนวก ก-7

ผลการติดตามตรวจสอบแสงสว่าง
บริเวณพื้นที่โครงการ



Report No. : 2026-500007209-2 / 002-1 (Page 1 of 2)

Issued date: May 13, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial Estate, Muang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Light Intensity (Daytime)

Measurement Date : April 27, 2026

Measurement Location : Glow SPP 2 Co., Ltd.

Measured by :

(Replacement Project)

DIGITAL LIGHT METER : TENMARS, Model TM-201L, Serial No. 210101092

Measurement Location	Activities/ Type of Work	Light Intensity (LUX)	Standard Value ^{1/} (LUX)
CCB 2nd Floor Building			
1. Electrical Room (Area measurement)	Electrical Room		
1.1 Average value		640	200
1.2 Minimum value		406	100
CCB 3rd Floor Building			
Engineering Room			
2. Monitor No.1	Computer Work	1,069	400-500
3. Monitor No.2		1,070	
4. Monitor No.3		1,031	
5. Engineering Room (Area measurement)			
5.1 Average value	Control Room	1,057	200
5.2 Minimum value		885	100
6. Electrical Room (Area measurement)	Electrical Room		
6.1 Average value		1,137	200
6.2 Minimum value		789	100

Source : ^{1/} Notification of the Department of Labor Protection and Welfare, Subject "Light Intensity Standard" dated February 21, B.E. 2561 (2018).

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Report No. : 2026-500007209-2 / 002-1 (Page 2 of 2)

Issued date: May 13, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial Estate, Muang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Light Intensity (Daytime)

Measurement Date : April 27, 2026

Measurement Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Measured by :

DIGITAL LIGHT METER : TENMARS, Model TM-201L, Serial No. 210101092

Measurement Location	Activities/ Type of Work	Light Intensity (LUX)	Standard Value ^{1/} (LUX)
CCB 3 rd Floor Building			
Engineering Room			
7. Battery Room (Area measurement)	Battery Room		
7.1 Average value		1,328	200
7.2 Minimum value		1,041	100
8. Men's Restroom	Restroom		
8.1 Average value		1,362	100
8.2 Minimum value		1,054	50
9. Women's Restroom	Restroom		
9.1 Average value		1,173	100
9.2 Minimum value		685	50

Source : ^{1/} Notification of the Department of Labor Protection and Welfare, Subject "Light Intensity Standard" dated February 21, B.E. 2561 (2018).

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Report No. : 2026-500007209-2 / 002-2 (Page 1 of 2)

Issued date: May 13, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial Estate, Muang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Light Intensity (Nighttime)

Measurement Date : April 27, 2026

Measurement Location : Glow SPP 2 Co., Ltd.

Measured by :

(Replacement Project)

DIGITAL LIGHT METER : TENMARS, Model TM-201L, Serial No. 210101092

Measurement Location	Activities/ Type of Work	Light Intensity (LUX)	Standard Value ^{1/} (LUX)
CCB 2nd Floor Building			
1. Electrical Room (Area measurement)	Electrical Room		
1.1 Average value		588	200
1.2 Minimum value		414	100
CCB 3rd Floor Building			
Engineering Room			
2. Monitor No.1	Computer Work	1,072	400-500
3. Monitor No.2		1,163	
4. Monitor No.3		1,060	
5. Engineering Room (Area measurement)			
5.1 Average value	Control Room	1,011	200
5.2 Minimum value		925	100
6. Electrical Room (Area measurement)	Electrical Room		
6.1 Average value		921	200
6.2 Minimum value		761	100

Source : ^{1/} Notification of the Department of Labor Protection and Welfare, Subject "Light Intensity Standard" dated February 21, B.E. 2561 (2018).

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Report No. : 2026-500007209-2 / 002-2 (Page 2 of 2)

Issued date: May 13, 2026

Client : GLOW SPP2 COMPANY LIMITED

Address : No. 8, I-6 Road, Map Ta Phut Industrial Estate, Muang, Rayong 21150

Project Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Analysis Report

Sample Type : Light Intensity (Nighttime)

Measurement Date : April 27, 2026

Measurement Location : Glow SPP 2 Co., Ltd. (Replacement Project)

Measured by :

DIGITAL LIGHT METER : TENMARS, Model TM-201L, Serial No. 210101092

Measurement Location	Activities/ Type of Work	Light Intensity (LUX)	Standard Value ^{1/} (LUX)
CCB 3 rd Floor Building			
Engineering Room			
7. Battery Room (Area measurement)	Battery Room		
7.1 Average value		1,302	200
7.2 Minimum value		1,060	100
8. Men's Restroom (Area measurement)	Restroom		
8.1 Average value		541	100
8.2 Minimum value		375	50
9. Women's Restroom (Area measurement)	Restroom		
9.1 Average value		477	100
9.2 Minimum value		447	50

Source : ^{1/} Notification of the Department of Labor Protection and Welfare, Subject "Light Intensity Standard" dated February 21, B.E. 2561 (2018).

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