

ภาคผนวกที่ 4

ผลตรวจวัดคุณภาพสิ่งแวดล้อม

- เอกสาร 4-1 ผลการตรวจวัดคุณภาพอากาศในบรรยากาศ และความเร็วและทิศทางลม
- เอกสาร 4-2 ผลการตรวจวัดคุณภาพอากาศจากปล่อง
- เอกสาร 4-3 ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้ง
- เอกสาร 4-4 ผลการตรวจวัดระดับเสียงในบรรยากาศ
- เอกสาร 4-5 ผลตรวจวัดคุณภาพอากาศในสถานประกอบการ
- เอกสาร 4-6 ผลการตรวจวัดเสียงในสถานประกอบการ
- เอกสาร 4-7 ผลการตรวจวัดความร้อนในสถานประกอบการ

เอกสารแนบ 4-1

ผลการตรวจวัดคุณภาพอากาศในบรรยากาศ

และความเร็วและทิศทางลม

ผลการตรวจวัดคุณภาพอากาศในบรรยากาศ



Ref. No. AR116(1)-AR116(3)/03/26

Report No. 2603/212_1

218/1/69

Ambient Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Titinan Ruengram
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 7-10 March 2026
Date Received : 11 March 2026
Date of Analysis : 11-23 March 2026
Date Reported : 24 March 2026

Parameter	Sampling Method	Analytical Method	Ban Bo Win Area			Standard
			March 2026			
			7-8	8-9	9-10	
PM ₁₀ (µg/m ³)	High Volume PM ₁₀ Air Sampler	Gravimetric Method (U.S. EPA 40 CFR Part 50 Appendix J)	15	13	18	Not more than 100

Remark :

Standard : Notification of the National Environment Board on the Determination of Ambient Air Quality Standards, B.E. 2569 (2026)

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.

(Supawadee Saentawisuk)

Laboratory Supervisor

24 / 03 / 26

----- End of Report -----



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RY207/03/69

218/1/69

Sulfur Dioxide Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling By : S.P.S. Consulting Service Co., Ltd.

Sampling Date : 7-10 March 2026
Date Reported : 23 March 2026

Time	Ban Bo Win Area			Standard
	March 2026			
	7-8	8-9	9-10	
12:00-13:00	4.25	3.95	4.21	-
13:00-14:00	4.30	3.88	4.33	-
14:00-15:00	4.12	4.07	4.20	-
15:00-16:00	4.16	3.92	4.23	-
16:00-17:00	4.30	4.00	4.32	-
17:00-18:00	4.45	3.74	4.24	-
18:00-19:00	4.25	3.95	4.31	-
19:00-20:00	4.06	3.88	4.46	-
20:00-21:00	3.81	3.98	4.27	-
21:00-22:00	3.49	3.82	3.89	-
22:00-23:00	3.28	3.64	3.68	-
23:00-00:00	3.37	3.40	3.64	-
00:00-01:00	3.74	3.58	3.43	-
01:00-02:00	3.55	3.89	3.64	-
02:00-03:00	3.32	3.84	3.72	-
03:00-04:00	3.64	4.05	3.55	-
04:00-05:00	3.70	3.72	3.42	-
05:00-06:00	3.92	4.26	3.51	-
06:00-07:00	4.13	4.32	3.70	-
07:00-08:00	4.39	3.99	4.07	-
08:00-09:00	4.11	4.24	3.90	-
09:00-10:00	4.20	4.10	4.11	-
10:00-11:00	4.12	3.88	4.25	-
11:00-12:00	4.18	3.98	3.90	-
Max 1 hr [ppb]	4.45	4.32	4.46	Less Than 100 [ppb]
Average 24 hr [ppb]	3.95	3.92	3.96	Less Than 50 [ppb]
Analyzer Data	Analyzer No. : SO ₂ -R09 Brand : API			-
	Model : 100E Serial No. : 76			

Remark:

Standard = Notification of the National Environment Board on the Determination of Ambient Air Quality Standards, B.E. 2569 (2026).
Sampling Method = SO₂ Analyzer

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.

Tikumporn P.
(Tikumporn Phoonphuang)

Technical Supervisor

23 / 03 / 26



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RY207/03/69

218/1/69

Nitrogen Dioxide Level Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling By : S.P.S. Consulting Service Co., Ltd.

Sampling Date : 7-10 March 2026
Date Reported : 23 March 2026

Time	Ban Bo Win Area			Standard
	March 2026			
	7-8	8-9	9-10	
12:00-13:00	12.84	14.11	11.60	-
13:00-14:00	15.18	15.39	13.06	-
14:00-15:00	14.57	19.03	15.56	-
15:00-16:00	16.72	16.37	16.78	-
16:00-17:00	18.36	15.30	19.05	-
17:00-18:00	16.59	14.13	15.80	-
18:00-19:00	14.94	12.64	13.35	-
19:00-20:00	12.73	8.01	14.94	-
20:00-21:00	10.31	12.27	15.27	-
21:00-22:00	7.89	13.28	12.69	-
22:00-23:00	10.15	12.10	13.09	-
23:00-00:00	12.36	14.00	15.96	-
00:00-01:00	14.53	13.03	14.24	-
01:00-02:00	13.12	11.40	14.33	-
02:00-03:00	12.06	10.89	13.05	-
03:00-04:00	12.42	12.46	11.28	-
04:00-05:00	10.60	8.54	13.76	-
05:00-06:00	12.37	10.00	11.02	-
06:00-07:00	10.70	11.00	14.27	-
07:00-08:00	10.46	13.29	12.02	-
08:00-09:00	13.19	16.71	11.40	-
09:00-10:00	8.18	14.95	11.14	-
10:00-11:00	11.28	12.34	12.71	-
11:00-12:00	12.58	13.88	10.53	-
Max 1 hr [ppb]	18.36	19.03	19.05	ไม่เกิน 120 [ppb]
Average 24 hr [ppb]	12.67	13.13	13.62	-
Analyzer Data	Analyzer No. : NO _x -B02			

Remark:

Standard = Notification of the National Environment Board on the Determination of Ambient Air Quality Standards, B.E. 2569 (2026).
Sampling Method = NO_x Analyzer

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.

Tikumporn P.
(Tikumporn Phoonphuang)

Technical Supervisor

23 / 03 / 26



Ref. No. AR117(1)-AR117(3)/03/26

Report No. 2603/212_1

218/1/69

Ambient Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Titinan Ruengram
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 7-10 March 2026
Date Received : 11 March 2026
Date of Analysis : 11-23 March 2026
Date Reported : 24 March 2026

Parameter	Sampling Method	Analytical Method	Ban Map Bon Area			Standard
			March 2026			
			7-8	8-9	9-10	
PM ₁₀ (µg/m ³)	High Volume PM ₁₀ Air Sampler	Gravimetric Method (U.S. EPA 40 CFR Part 50 Appendix J)	27	41	35	Not more than 100

Remark :

Standard : Notification of the National Environment Board on the Determination of Ambient Air Quality Standards, B.E. 2569 (2026)

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(Supawadee Saentawisuk)

Laboratory Supervisor

24 / 03 / 26

----- End of Report -----



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RY207/03/69

218/1/69

Sulfur Dioxide Analysis Report

Project : G J Steel Public Company Limited Sampling Date : 7-10 March 2026
Project Location : WHA Chonburi Industrial Estate 1 Date Reported : 23 March 2026
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	Ban Map Bon Area			Standard
	March 2026			
	7-8	8-9	9-10	
11:00-12:00	3.95	4.10	3.63	-
12:00-13:00	4.10	4.26	3.65	-
13:00-14:00	3.97	4.31	3.72	-
14:00-15:00	3.99	4.44	4.02	-
15:00-16:00	4.11	4.36	4.18	-
16:00-17:00	4.00	4.28	3.79	-
17:00-18:00	3.81	3.96	4.16	-
18:00-19:00	3.73	3.88	4.02	-
19:00-20:00	3.76	3.74	3.83	-
20:00-21:00	3.70	3.65	3.68	-
21:00-22:00	3.68	3.75	3.64	-
22:00-23:00	3.48	3.87	3.52	-
23:00-00:00	3.33	3.82	3.49	-
00:00-01:00	3.53	3.64	3.62	-
01:00-02:00	3.49	3.79	3.57	-
02:00-03:00	3.33	3.73	3.59	-
03:00-04:00	3.65	3.51	3.66	-
04:00-05:00	3.74	3.57	3.95	-
05:00-06:00	3.93	3.64	4.16	-
06:00-07:00	4.07	3.81	4.20	-
07:00-08:00	4.30	3.96	4.31	-
08:00-09:00	4.54	3.79	4.37	-
09:00-10:00	4.26	4.04	4.19	-
10:00-11:00	4.07	3.84	4.00	-
Max 1 hr [ppb]	4.54	4.44	4.37	Less Than 100 [ppb]
Average 24 hr [ppb]	3.86	3.91	3.87	Less Than 50 [ppb]
Analyzer Data	Analyzer No. : SO ₂ -R06 Brand : API			-
	Model : 100E Serial No. : 066			

Remark:

Standard = Notification of the National Environment Board on the Determination of Ambient Air Quality Standards, B.E. 2569 (2026).
Sampling Method = SO₂ Analyzer

Reported results refer to measurement time only.

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Tikumporn P.
(Tikumporn Phoonphuang)

Technical Supervisor

23 / 03 / 26



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RY207/03/69

218/1/69

Nitrogen Dioxide Level Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling By : S.P.S. Consulting Service Co., Ltd.

Sampling Date : 7-10 March 2026
Date Reported : 23 March 2026

Time	Ban Map Bon Area			Standard
	March 2026			
	7-8	8-9	9-10	
11:00-12:00	10.09	11.16	12.58	-
12:00-13:00	10.42	10.67	9.11	-
13:00-14:00	11.99	13.27	10.26	-
14:00-15:00	13.21	14.94	13.00	-
15:00-16:00	11.49	10.49	8.55	-
16:00-17:00	11.79	13.94	11.53	-
17:00-18:00	12.23	12.88	10.45	-
18:00-19:00	9.96	9.25	11.39	-
19:00-20:00	11.85	13.28	9.89	-
20:00-21:00	12.12	14.79	10.51	-
21:00-22:00	13.52	12.74	12.40	-
22:00-23:00	12.70	11.50	9.30	-
23:00-00:00	13.64	10.68	12.49	-
00:00-01:00	10.07	13.18	15.22	-
01:00-02:00	12.83	11.61	12.86	-
02:00-03:00	15.50	10.69	12.83	-
03:00-04:00	16.33	12.13	11.99	-
04:00-05:00	16.38	12.17	13.47	-
05:00-06:00	20.50	17.59	12.74	-
06:00-07:00	23.19	17.10	15.44	-
07:00-08:00	16.38	16.99	17.08	-
08:00-09:00	13.88	19.93	20.03	-
09:00-10:00	14.07	17.89	18.44	-
10:00-11:00	12.33	14.26	16.36	-
Max 1 hr [ppb]	23.19	19.93	20.03	ไม่เกิน 120 [ppb]
Average 24 hr [ppb]	13.60	13.46	12.83	-
Analyzer Data	Analyzer No. : NO _x -B17 Brand : API			-
	Model : 200A Serial No. : 1977			

Remark:

Standard = Notification of the National Environment Board on the Determination of Ambient Air Quality Standards, B.E. 2569 (2026).
Sampling Method = NO_x Analyzer

Reported results refer to measurement time only.

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Tikumporn P.

(Tikumporn Phoonphuang)

Technical Supervisor

23 / 03 / 26



Ref. No. AR118(1)-AR118(3)/03/26

Report No. 2603/212_1

218/1/69

Ambient Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Titinan Ruengram
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 7-10 March 2026
Date Received : 11 March 2026
Date of Analysis : 11-23 March 2026
Date Reported : 24 March 2026

Parameter	Sampling Method	Analytical Method	Ban Pak Ruam Area			Standard
			March 2026			
			7-8	8-9	9-10	
PM ₁₀ (µg/m ³)	High Volume PM ₁₀ Air Sampler	Gravimetric Method (U.S. EPA 40 CFR Part 50 Appendix J)	48	49	59	Not more than 100

Remark :

Standard : Notification of the National Environment Board on the Determination of Ambient Air Quality Standards, B.E. 2569 (2026)

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(Supawadee Saentawisuk)

Laboratory Supervisor

24 / 03 / 26

----- End of Report -----



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RY207/03/69

218/1/69

Sulfur Dioxide Analysis Report

Project : G J Steel Public Company Limited Sampling Date : 7-10 March 2026
Project Location : WHA Chonburi Industrial Estate 1 Date Reported : 23 March 2026
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	Ban Pak Ruam Area			Standard
	March 2026			
	7-8	8-9	9-10	
14:00-15:00	4.22	4.32	4.17	-
15:00-16:00	4.42	4.56	4.46	-
16:00-17:00	4.37	4.44	4.55	-
17:00-18:00	4.20	4.27	4.82	-
18:00-19:00	4.36	4.39	4.67	-
19:00-20:00	4.56	4.47	4.51	-
20:00-21:00	4.69	4.25	4.37	-
21:00-22:00	4.42	4.32	4.14	-
22:00-23:00	4.15	4.13	3.90	-
23:00-00:00	3.82	4.05	3.76	-
00:00-01:00	3.56	3.73	3.55	-
01:00-02:00	3.46	3.57	3.82	-
02:00-03:00	3.65	3.45	3.71	-
03:00-04:00	3.80	3.14	3.58	-
04:00-05:00	3.72	3.20	3.42	-
05:00-06:00	3.92	3.36	3.67	-
06:00-07:00	4.07	3.67	3.87	-
07:00-08:00	4.17	3.92	3.95	-
08:00-09:00	4.34	3.79	4.06	-
09:00-10:00	4.47	4.05	4.27	-
10:00-11:00	4.27	4.27	4.32	-
11:00-12:00	4.05	3.86	4.51	-
12:00-13:00	4.13	4.05	4.25	-
13:00-14:00	4.43	4.30	4.38	-
Max 1 hr [ppb]	4.69	4.56	4.82	Less Than 100 [ppb]
Average 24 hr [ppb]	4.14	3.98	4.11	Less Than 50 [ppb]
Analyzer Data	Analyzer No. : SO ₂ -R03 Brand : API			-
	Model : 100E Serial No. : 3488			

Remark:

Standard = Notification of the National Environment Board on the Determination of Ambient Air Quality Standards, B.E. 2569 (2026).
Sampling Method = SO₂ Analyzer

Reported results refer to measurement time only.

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Tikumporn P.
(Tikumporn Phoonphuang)

Technical Supervisor

23 / 03 / 26



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RY207/03/69

218/1/69

Nitrogen Dioxide Level Report

Project : G J Steel Public Company Limited Sampling Date : 7-10 March 2026
Project Location : WHA Chonburi Industrial Estate 1 Date Reported : 23 March 2026
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	Ban Pak Ruam Area			Standard
	March 2026			
	7-8	8-9	9-10	
14:00-15:00	14.16	14.24	15.86	-
15:00-16:00	16.04	14.26	17.77	-
16:00-17:00	19.98	13.85	19.13	-
17:00-18:00	23.16	16.31	20.66	-
18:00-19:00	20.98	20.89	17.19	-
19:00-20:00	18.12	17.71	14.56	-
20:00-21:00	15.39	15.48	12.93	-
21:00-22:00	12.27	13.97	11.34	-
22:00-23:00	9.13	12.75	10.87	-
23:00-00:00	10.56	9.17	10.94	-
00:00-01:00	9.99	14.24	12.57	-
01:00-02:00	11.05	12.61	11.82	-
02:00-03:00	13.07	11.95	12.41	-
03:00-04:00	13.15	10.14	10.96	-
04:00-05:00	11.16	9.66	10.32	-
05:00-06:00	14.81	11.64	12.29	-
06:00-07:00	15.88	12.88	15.10	-
07:00-08:00	17.57	14.49	14.44	-
08:00-09:00	19.63	17.60	16.38	-
09:00-10:00	20.33	20.88	17.68	-
10:00-11:00	17.78	21.36	19.54	-
11:00-12:00	15.12	18.64	15.73	-
12:00-13:00	13.29	16.25	13.86	-
13:00-14:00	14.73	14.84	12.08	-
Max 1 hr [ppb]	23.16	21.36	20.66	ไม่เกิน 120 [ppb]
Average 24 hr [ppb]	15.31	14.83	14.43	-
Analyzer Data	Analyzer No. : NO _x -B12 Brand : API			-
	Model : 200A Serial No. : 2675			

Remark:

Standard = Notification of the National Environment Board on the Determination of Ambient Air Quality Standards, B.E. 2569 (2026).
Sampling Method = NO_x Analyzer

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.

Tikumporn P.
(Tikumporn Phoonphuang)

Technical Supervisor

23 / 03 / 26

ผลการตรวจวัดความเร็วและทิศทางการไหล



RY207/03/69

218/1/69

Wind Speed and Wind Direction Measurement Report

Project : G J Steel Public Company Limited Sampling Date : 7-10 March 2026
Project Location : WHA Chonburi Industrial Estate 1 Date Reported : 23 March 2026
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling By : S.P.S. Consulting Service Co., Ltd.

Wind Speed Wind Direction	Ban Bo Win Area				
	Percent of Wind Speed (%)				
	Light Air	Light Breeze	Gentle Breeze	Moderate Breeze	Fresh Breeze
	0.3-1.6 m/s (1-5 km/hr)	1.7-3.3 m/s (6-11 km/hr)	3.4-5.5 m/s (12-19 km/hr)	5.6-8.0 m/s (20-28 km/hr)	8.1-10.8 m/s (29-38 km/hr)
N (349°-11°)	26.389	-	-	-	-
NNE (11°-34°)	4.167	-	-	-	-
NE (34°-56°)	6.943	-	-	-	-
ENE (56°-79°)	9.722	-	-	-	-
E (79°-102°)	-	-	-	-	-
ESE (102°-124°)	1.389	-	-	-	-
SE (124°-146°)	-	-	-	-	-
SSE (146°-169°)	1.389	-	-	-	-
S (169°-191°)	-	-	-	-	-
SSW (191°-214°)	-	-	-	-	-
SW (214°-236°)	-	-	-	-	-
WSW (236°-259°)	-	-	-	-	-
W (259°-281°)	2.778	-	-	-	-
WNW (281°-304°)	-	-	-	-	-
NW (304°-326°)	5.556	-	-	-	-
NNW (326°-349°)	41.667	-	-	-	-
Total	100.000	0.000	0.000	0.000	0.000
Calm <0.3 m/s (<1 km/hr)	0.000				

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.

Tikumporn P.

(Tikumporn Phoonphuang)

Technical Supervisor

23 / 03 / 26



RY207/03/69

218/1/69

Wind Speed and Wind Direction Measurement Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling By : S.P.S. Consulting Service Co., Ltd.

Sampling Date : 7-10 March 2026
Date Reported : 23 March 2026

Time	Ban Bo Win Area								
	March 2026								
	7-8			8-9			9-10		
	WS		WD	WS		WD	WS		WD
	m/s	km/hr		m/s	km/hr		m/s	km/hr	
12:00-13:00	1.3	4.8	N	0.9	3.2	NNW	0.9	3.2	NNW
13:00-14:00	1.3	4.8	NNW	0.9	3.2	N	0.9	3.2	NNW
14:00-15:00	1.3	4.8	NNW	0.9	3.2	NNW	0.9	3.2	ENE
15:00-16:00	0.9	3.2	N	0.9	3.2	NNW	0.9	3.2	N
16:00-17:00	0.4	1.6	NNW	0.4	1.6	NNW	0.9	3.2	NW
17:00-18:00	0.4	1.6	NNW	0.4	1.6	SSE	0.4	1.6	NW
18:00-19:00	0.4	1.6	NNW	0.4	1.6	W	0.4	1.6	NNW
19:00-20:00	0.4	1.6	NNW	0.4	1.6	W	0.4	1.6	NNW
20:00-21:00	0.4	1.6	NNE	0.4	1.6	NW	0.4	1.6	NNW
21:00-22:00	0.4	1.6	NNE	0.9	3.2	NNW	0.4	1.6	NNW
22:00-23:00	0.4	1.6	N	0.9	3.2	N	0.9	3.2	NNW
23:00-00:00	0.4	1.6	NNW	0.4	1.6	NNW	0.9	3.2	NNE
00:00-01:00	0.9	3.2	NNW	0.4	1.6	N	0.4	1.6	N
01:00-02:00	0.9	3.2	NNW	0.4	1.6	NNW	0.4	1.6	NW
02:00-03:00	0.9	3.2	ESE	0.4	1.6	N	0.4	1.6	N
03:00-04:00	0.9	3.2	NE	0.9	3.2	NNW	0.4	1.6	ENE
04:00-05:00	0.4	1.6	NNW	0.9	3.2	N	0.4	1.6	N
05:00-06:00	0.9	3.2	NE	0.4	1.6	N	0.4	1.6	N
06:00-07:00	0.4	1.6	N	0.9	3.2	NNW	0.4	1.6	NE
07:00-08:00	0.9	3.2	NNW	0.9	3.2	NNW	0.9	3.2	ENE
08:00-09:00	0.9	3.2	NNW	0.4	1.6	N	0.9	3.2	ENE
09:00-10:00	1.3	4.8	N	0.4	1.6	ENE	0.9	3.2	ENE
10:00-11:00	0.9	3.2	NNW	0.9	3.2	ENE	1.3	4.8	NE
11:00-12:00	0.9	3.2	N	0.9	3.2	N	0.9	3.2	NE
Temperature Average (°C)	29.1			27.7			28.9		
Barometric Pressure Average (mmHg)	756.38			756.53			756.44		
Sky Condition	Fair			Fair			Fair		

Reported results refer to measurement time only.
Do not copy partial of this measurement report without official approval.

Tikumporn P.
(Tikumporn Phoonphuang)

Technical Supervisor

23 / 03 / 26

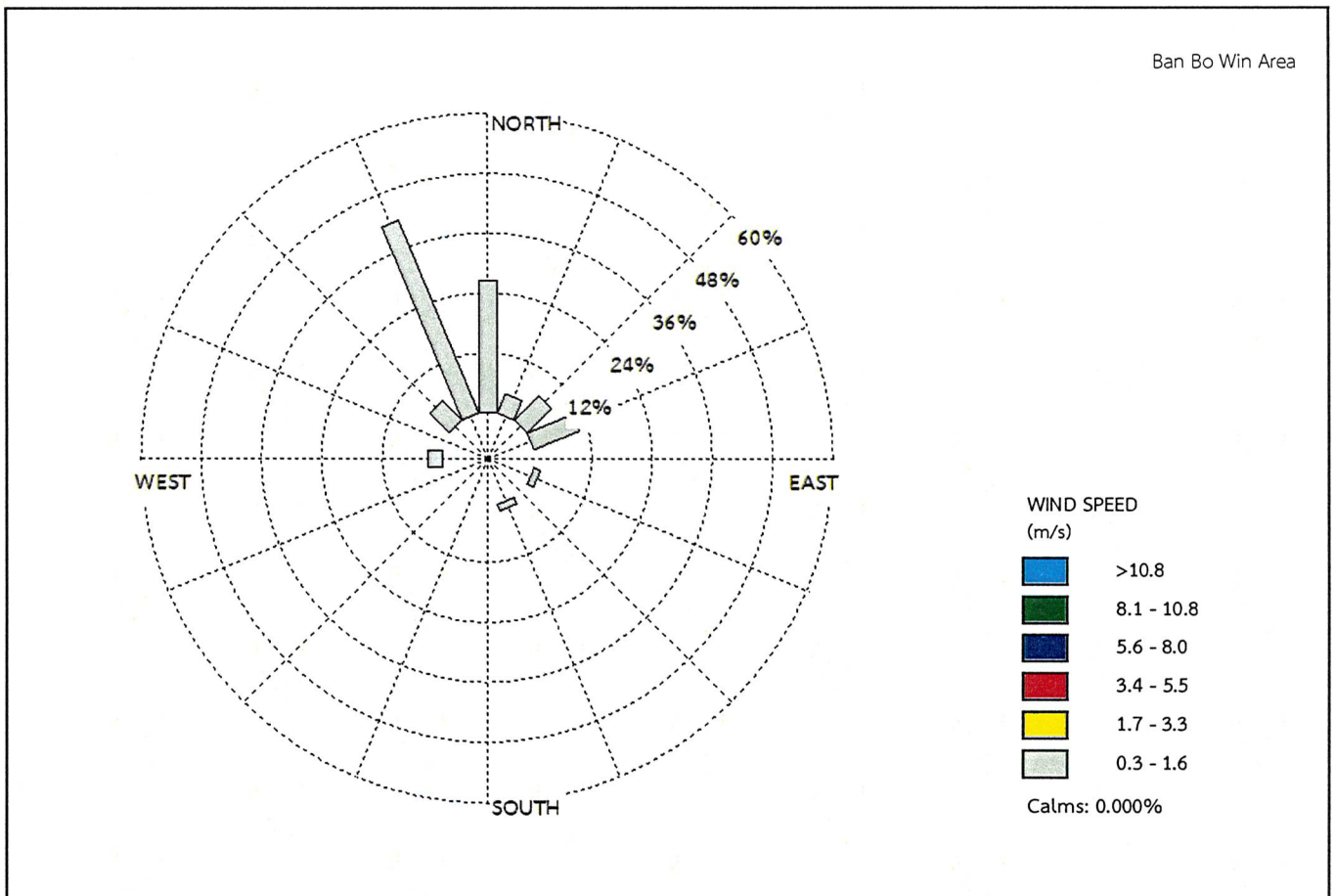


RY207/03/69

218/1/69

Wind Speed and Wind Direction Measurement Report

Project : G J Steel Public Company Limited : 7-10 March 2026
Project Location : WHA Chonburi Industrial Estate 1 : 23 March 2026
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling By : S.P.S. Consulting Service Co., Ltd.



Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.

Tikumporn P.

(Tikumporn Phoonphuang)

Technical Supervisor

23 / 03 / 26

เอกสารแนบ 4-2

ผลการตรวจวัดคุณภาพอากาศจากปล่อง



Ref. No. AR055/03/26

218/1/69

Stack Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Heeson Lormae (ว-011-ค-0019)
S.P.S. Consulting Service Co., Ltd. (ว-011)
Sampling Date : 7 March 2026
Date Received : 9 March 2026
Date of Analysis : 9-19 March 2026
Date Reported : 20 March 2026

Parameter	Unit	Sampling Method	Analytical Method	Blue Baghouse Inlet Stack
Sampling Time	min	-	-	10:00-10:48
Height	m.	-	-	40.0
Diameter	cm.	-	-	600
Barometric Pressure	mmHg	-	-	756.06
Absolute Stack Gas Pressure	mmHg	-	-	741.84
Dry Gas Meter Temperature	°C	-	-	33.5
Stack Temperature	°C	-	-	74.0
Moisture	%	U.S. EPA Method 4	-	4.65
Velocity	m/s	U.S. EPA Method 2	-	14.28
Flow Rate (Qsd)	m ³ /s	U.S. EPA Method 2	-	322.839
Oxygen	%	U.S. EPA Method 3	-	20.4
Total Suspended Particulate	mg/m ³	Isokinetic	Gravimetric Method (U.S. EPA Method 5)	919
Emission Rate of Total Suspended Particulate	g/s	-	Calculate	297
Emission Rate of Total Suspended Particulate	kg/rai/day	-	Calculate	60.2

Remark:

- Emission rate of pollutant (kg/rai/day) calculated from the project area of 425.82 rai.
- Flow Rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry bas

Reported results refer to submitted samples only.

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(Supawadee Saentawisuk)

ว-011-ค-0026

Laboratory Supervisor

20 / 03 / 26

----- End of Report -----



Ref. No. AR056/03/26

Report No. 2603/131

218/1/69

Stack Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Heeson Lormae (ว-011-ค-0019)
S.P.S. Consulting Service Co., Ltd. (ว-011)

Sampling Date : 7 March 2026
Date Received : 9 March 2026
Date of Analysis : 9-19 March 2026
Date Reported : 20 March 2026

Parameter	Unit	Sampling Method	Analytical Method	Blue Baghouse Outlet Point 1	Standard	
					[1]	[2]
Sampling Time	min	-	-	10:00-10:48	-	-
Height	m.	-	-	30.0	-	-
Diameter	cm.	-	-	600* x 350	-	-
Barometric Pressure	mmHg	-	-	756.06	-	-
Absolute Stack Gas Pressure	mmHg	-	-	756.03	-	-
Dry Gas Meter Temperature	°C	-	-	34.8	-	-
Stack Temperature	°C	-	-	70.0	-	-
Moisture	%	U.S. EPA Method 4	-	4.81	-	-
Velocity	m/s	U.S. EPA Method 2	-	3.03	-	-
Flow Rate (Qsd)	m ³ /s	U.S. EPA Method 2	-	52.298	-	-
Oxygen	%	U.S. EPA Method 3	-	20.4	-	-
Total Suspended Particulate	mg/m ³	Isokinetic	Gravimetric Method (U.S. EPA Method 5)	8.7	240	-
Emission Rate of Total Suspended Particulate	g/s	-	Calculate	0.455	-	-
Emission Rate of Total Suspended Particulate	kg/rai/day	-	Calculate	0.092	-	2.4

Remark:

* The side used for determine the number of traverse points.

- Emission rate of pollutant (kg/rai/day) calculated from the project area of 425.82 rai.

- Flow Rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.

Standard^[1] : Notification Of The Ministry Of Science, Technology and Environment Re: Emission Standard Of The Steel Plant B.E. 2544

Standard^[2] : Emission rate of air-pollution of WHA Chonburi Industrial Estate 1

Reported results refer to submitted samples only.

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(Supawadee Saentawisuk)

ว-011-ค-0026

Laboratory Supervisor

20 / 03 / 26

----- End of Report -----



Ref. No. AR057/03/26

Report No. 2603/131

218/1/69

Stack Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Heeson Lormae (ว-011-ค-0019)
S.P.S. Consulting Service Co., Ltd. (ว-011)

Sampling Date : 7 March 2026
Date Received : 9 March 2026
Date of Analysis : 9-19 March 2026
Date Reported : 20 March 2026

Parameter	Unit	Sampling Method	Analytical Method	Blue Baghouse Outlet Point 2	Standard	
					[1]	[2]
Sampling Time	min	-	-	11:00-11:48	-	-
Height	m.	-	-	30.0	-	-
Diameter	cm.	-	-	600* x 350	-	-
Barometric Pressure	mmHg	-	-	756.06	-	-
Absolute Stack Gas Pressure	mmHg	-	-	756.04	-	-
Dry Gas Meter Temperature	°C	-	-	34.8	-	-
Stack Temperature	°C	-	-	68.0	-	-
Moisture	%	U.S. EPA Method 4	-	4.54	-	-
Velocity	m/s	U.S. EPA Method 2	-	2.81	-	-
Flow Rate (Qsd)	m ³ /s	U.S. EPA Method 2	-	48.980	-	-
Oxygen	%	U.S. EPA Method 3	-	20.2	-	-
Total Suspended Particulate	mg/m ³	Isokinetic	Gravimetric Method (U.S. EPA Method 5)	5.3	240	-
Emission Rate of Total Suspended Particulate	g/s	-	Calculate	0.260	-	-
Emission Rate of Total Suspended Particulate	kg/rai/day	-	Calculate	0.053	-	2.4

Remark:

* The side used for determine the number of traverse points.

- Emission rate of pollutant (kg/rai/day) calculated from the project area of 425.82 rai.

- Flow Rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.

Standard^[1] : Notification Of The Ministry Of Science, Technology and Environment Re: Emission Standard Of The Steel Plant B.E. 2544

Standard^[2] : Emission rate of air-pollution of WHA Chonburi Industrial Estate 1

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(Supawadee Saentawisuk)

ว-011-ค-0026

Laboratory Supervisor

20 / 03 / 26

----- End of Report -----



Ref. No. AR058/03/26

Report No. 2603/131

218/1/69

Stack Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Heeson Lormae (ว-011-ค-0019)
S.P.S. Consulting Service Co., Ltd. (ว-011)

Sampling Date : 7 March 2026
Date Received : 9 March 2026
Date of Analysis : 9-19 March 2026
Date Reported : 20 March 2026

Parameter	Unit	Sampling Method	Analytical Method	Blue Baghouse Outlet Point 3	Standard	
					[1]	[2]
Sampling Time	min	-	-	12:00-12:48	-	-
Height	m.	-	-	30.0	-	-
Diameter	cm.	-	-	600* x 350	-	-
Barometric Pressure	mmHg	-	-	756.06	-	-
Absolute Stack Gas Pressure	mmHg	-	-	756.03	-	-
Dry Gas Meter Temperature	°C	-	-	34.8	-	-
Stack Temperature	°C	-	-	71.0	-	-
Moisture	%	U.S. EPA Method 4	-	4.09	-	-
Velocity	m/s	U.S. EPA Method 2	-	3.74	-	-
Flow Rate (Qsd)	m ³ /s	U.S. EPA Method 2	-	64.856	-	-
Oxygen	%	U.S. EPA Method 3	-	20.4	-	-
Total Suspended Particulate	mg/m ³	Isokinetic	Gravimetric Method (U.S. EPA Method 5)	3.0	240	-
Emission Rate of Total Suspended Particulate	g/s	-	Calculate	0.195	-	-
Emission Rate of Total Suspended Particulate	kg/rai/day	-	Calculate	0.039	-	2.4

Remark:

* The side used for determine the number of traverse points.

- Emission rate of pollutant (kg/rai/day) calculated from the project area of 425.82 rai.

- Flow Rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.

Standard^[1] : Notification Of The Ministry Of Science, Technology and Environment Re: Emission Standard Of The Steel Plant B.E. 2544

Standard^[2] : Emission rate of air-pollution of WHA Chonburi Industrial Estate 1

Reported results refer to submitted samples only.

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(Supawadee Saentawisuk)

ว-011-ค-0026

Laboratory Supervisor

20 / 03 / 26

----- End of Report -----



Ref. No. AR059/03/26

Report No. 2603/131

218/1/69

Stack Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Heeson Lormae (ว-011-ค-0019)
S.P.S. Consulting Service Co., Ltd. (ว-011)

Sampling Date : 7 March 2026
Date Received : 9 March 2026
Date of Analysis : 9-19 March 2026
Date Reported : 20 March 2026

Parameter	Unit	Sampling Method	Analytical Method	Blue Baghouse Outlet Point 4	Standard	
					[1]	[2]
Sampling Time	min	-	-	13:00-13:48	-	-
Height	m.	-	-	30.0	-	-
Diameter	cm.	-	-	600* x 350	-	-
Barometric Pressure	mmHg	-	-	756.06	-	-
Absolute Stack Gas Pressure	mmHg	-	-	756.04	-	-
Dry Gas Meter Temperature	°C	-	-	34.8	-	-
Stack Temperature	°C	-	-	67.0	-	-
Moisture	%	U.S. EPA Method 4	-	4.68	-	-
Velocity	m/s	U.S. EPA Method 2	-	4.35	-	-
Flow Rate (Qsd)	m ³ /s	U.S. EPA Method 2	-	75.845	-	-
Oxygen	%	U.S. EPA Method 3	-	20.3	-	-
Total Suspended Particulate	mg/m ³	Isokinetic	Gravimetric Method (U.S. EPA Method 5)	6.8	240	-
Emission Rate of Total Suspended Particulate	g/s	-	Calculate	0.516	-	-
Emission Rate of Total Suspended Particulate	kg/rai/day	-	Calculate	0.105	-	2.4

Remark:

* The side used for determine the number of traverse points.

- Emission rate of pollutant (kg/rai/day) calculated from the project area of 425.82 rai.

- Flow Rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.

Standard^[1] : Notification Of The Ministry Of Science, Technology and Environment Re: Emission Standard Of The Steel Plant B.E. 2544

Standard^[2] : Emission rate of air-pollution of WHA Chonburi Industrial Estate 1

Reported results refer to submitted samples only.

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(Supawadee Saentawisuk)

ว-011-ค-0026

Laboratory Supervisor

20 / 03 / 26

----- End of Report -----



Ref. No. AR060/03/26

Report No. 2603/131

218/1/69

Stack Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Heeson Lormae (ว-011-ค-0019)
S.P.S. Consulting Service Co., Ltd. (ว-011)

Sampling Date : 7 March 2026
Date Received : 9 March 2026
Date of Analysis : 9-19 March 2026
Date Reported : 20 March 2026

Parameter	Unit	Sampling Method	Analytical Method	Blue Baghouse Outlet Point 5	Standard	
					[1]	[2]
Sampling Time	min	-	-	13:00-13:48	-	-
Height	m.	-	-	30.0	-	-
Diameter	cm.	-	-	600* x 350	-	-
Barometric Pressure	mmHg	-	-	756.06	-	-
Absolute Stack Gas Pressure	mmHg	-	-	756.04	-	-
Dry Gas Meter Temperature	°C	-	-	34.8	-	-
Stack Temperature	°C	-	-	66.0	-	-
Moisture	%	U.S. EPA Method 4	-	4.46	-	-
Velocity	m/s	U.S. EPA Method 2	-	4.31	-	-
Flow Rate (Qsd)	m ³ /s	U.S. EPA Method 2	-	75.575	-	-
Oxygen	%	U.S. EPA Method 3	-	20.1	-	-
Total Suspended Particulate	mg/m ³	Isokinetic	Gravimetric Method (U.S. EPA Method 5)	2.1	240	-
Emission Rate of Total Suspended Particulate	g/s	-	Calculate	0.159	-	-
Emission Rate of Total Suspended Particulate	kg/rai/day	-	Calculate	0.032	-	2.4

Remark:

* The side used for determine the number of traverse points.

- Emission rate of pollutant (kg/rai/day) calculated from the project area of 425.82 rai.

- Flow Rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.

Standard^[1] : Notification Of The Ministry Of Science, Technology and Environment Re: Emission Standard Of The Steel Plant B.E. 2544

Standard^[2] : Emission rate of air-pollution of WHA Chonburi Industrial Estate 1

Reported results refer to submitted samples only.

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ว-011-ค-0026

Laboratory Supervisor

20 / 03 / 26

----- End of Report -----



Ref. No. AR061/03/26

Report No. 2603/131

218/1/69

Stack Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Heeson Lormae (ว-011-ค-0019)
S.P.S. Consulting Service Co., Ltd. (ว-011)

Sampling Date : 7 March 2026
Date Received : 9 March 2026
Date of Analysis : 9-19 March 2026
Date Reported : 20 March 2026

Parameter	Unit	Sampling Method	Analytical Method	Blue Baghouse Outlet Point 6	Standard	
					[1]	[2]
Sampling Time	min	-	-	12:00-12:48	-	-
Height	m.	-	-	30.0	-	-
Diameter	cm.	-	-	600* x 350	-	-
Barometric Pressure	mmHg	-	-	756.06	-	-
Absolute Stack Gas Pressure	mmHg	-	-	756.03	-	-
Dry Gas Meter Temperature	°C	-	-	34.8	-	-
Stack Temperature	°C	-	-	68.0	-	-
Moisture	%	U.S. EPA Method 4	-	4.33	-	-
Velocity	m/s	U.S. EPA Method 2	-	4.30	-	-
Flow Rate (Qsd)	m ³ /s	U.S. EPA Method 2	-	75.022	-	-
Oxygen	%	U.S. EPA Method 3	-	20.5	-	-
Total Suspended Particulate	mg/m ³	Isokinetic	Gravimetric Method (U.S. EPA Method 5)	1.8	240	-
Emission Rate of Total Suspended Particulate	g/s	-	Calculate	0.135	-	-
Emission Rate of Total Suspended Particulate	kg/rai/day	-	Calculate	0.027	-	2.4

Remark:

* The side used for determine the number of traverse points.

- Emission rate of pollutant (kg/rai/day) calculated from the project area of 425.82 rai.

- Flow Rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.

Standard^[1] : Notification Of The Ministry Of Science, Technology and Environment Re: Emission Standard Of The Steel Plant B.E. 2544

Standard^[2] : Emission rate of air-pollution of WHA Chonburi Industrial Estate 1

Reported results refer to submitted samples only.

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(Supawadee Saentawisuk)

ว-011-ค-0026

Laboratory Supervisor

20 / 03 / 26

----- End of Report -----



Ref. No. AR062/03/26

Report No. 2603/131

218/1/69

Stack Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Heeson Lormae (ว-011-ค-0019)
S.P.S. Consulting Service Co., Ltd. (ว-011)

Sampling Date : 7 March 2026
Date Received : 9 March 2026
Date of Analysis : 9-19 March 2026
Date Reported : 20 March 2026

Parameter	Unit	Sampling Method	Analytical Method	Blue Baghouse Outlet Point 19	Standard	
					[1]	[2]
Sampling Time	min	-	-	14:00-14:48	-	-
Height	m.	-	-	30.0	-	-
Diameter	cm.	-	-	600* x 350	-	-
Barometric Pressure	mmHg	-	-	756.06	-	-
Absolute Stack Gas Pressure	mmHg	-	-	756.02	-	-
Dry Gas Meter Temperature	°C	-	-	34.8	-	-
Stack Temperature	°C	-	-	66.0	-	-
Moisture	%	U.S. EPA Method 4	-	4.33	-	-
Velocity	m/s	U.S. EPA Method 2	-	4.94	-	-
Flow Rate (Qsd)	m ³ /s	U.S. EPA Method 2	-	86.732	-	-
Oxygen	%	U.S. EPA Method 3	-	20.1	-	-
Total Suspended Particulate	mg/m ³	Isokinetic	Gravimetric Method (U.S. EPA Method 5)	9.3	240	-
Emission Rate of Total Suspended Particulate	g/s	-	Calculate	0.807	-	-
Emission Rate of Total Suspended Particulate	kg/rai/day	-	Calculate	0.164	-	2.4

Remark:

* The side used for determine the number of traverse points.

- Emission rate of pollutant (kg/rai/day) calculated from the project area of 425.82 rai.

- Flow Rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.

Standard^[1] : Notification Of The Ministry Of Science, Technology and Environment Re: Emission Standard Of The Steel Plant B.E. 2544

Standard^[2] : Emission rate of air-pollution of WHA Chonburi Industrial Estate 1

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.

(Supawadee Saentawisuk)

ว-011-ค-0026

Laboratory Supervisor

20 / 03 / 26

----- End of Report -----



Ref. No. AR063/03/26

Report No. 2603/131

218/1/69

Stack Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Heeson Lormae (ว-011-ค-0019)
S.P.S. Consulting Service Co., Ltd. (ว-011)

Sampling Date : 7 March 2026
Date Received : 9 March 2026
Date of Analysis : 9-19 March 2026
Date Reported : 20 March 2026

Parameter	Unit	Sampling Method	Analytical Method	Blue Baghouse Outlet Point 20	Standard	
					[1]	[2]
Sampling Time	min	-	-	16:00-16:48	-	-
Height	m.	-	-	30.0	-	-
Diameter	cm.	-	-	600* x 350	-	-
Barometric Pressure	mmHg	-	-	756.06	-	-
Absolute Stack Gas Pressure	mmHg	-	-	756.03	-	-
Dry Gas Meter Temperature	°C	-	-	34.8	-	-
Stack Temperature	°C	-	-	65.0	-	-
Moisture	%	U.S. EPA Method 4	-	4.21	-	-
Velocity	m/s	U.S. EPA Method 2	-	5.69	-	-
Flow Rate (Qsd)	m ³ /s	U.S. EPA Method 2	-	100.305	-	-
Oxygen	%	U.S. EPA Method 3	-	20.2	-	-
Total Suspended Particulate	mg/m ³	Isokinetic	Gravimetric Method (U.S. EPA Method 5)	3.1	240	-
Emission Rate of Total Suspended Particulate	g/s	-	Calculate	0.311	-	-
Emission Rate of Total Suspended Particulate	kg/rai/day	-	Calculate	0.063	-	2.4

Remark:

* The side used for determine the number of traverse points.

- Emission rate of pollutant (kg/rai/day) calculated from the project area of 425.82 rai.

- Flow Rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.

Standard^[1] : Notification Of The Ministry Of Science, Technology and Environment Re: Emission Standard Of The Steel Plant B.E. 2544

Standard^[2] : Emission rate of air-pollution of WHA Chonburi Industrial Estate 1

Reported results refer to submitted samples only.

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(Supawadee Saentawisuk)

ว-011-ค-0026

Laboratory Supervisor

20 / 03 / 26

----- End of Report -----



Ref. No. AR064/03/26

Report No. 2603/131

218/1/69

Stack Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Heeson Lormae (ว-011-ค-0019)
S.P.S. Consulting Service Co., Ltd. (ว-011)

Sampling Date : 7 March 2026
Date Received : 9 March 2026
Date of Analysis : 9-19 March 2026
Date Reported : 20 March 2026

Parameter	Unit	Sampling Method	Analytical Method	Blue Baghouse Outlet Point 21	Standard	
					[1]	[2]
Sampling Time	min	-	-	16:00-16:48	-	-
Height	m.	-	-	30.0	-	-
Diameter	cm.	-	-	600* x 350	-	-
Barometric Pressure	mmHg	-	-	756.06	-	-
Absolute Stack Gas Pressure	mmHg	-	-	756.04	-	-
Dry Gas Meter Temperature	°C	-	-	34.8	-	-
Stack Temperature	°C	-	-	70.0	-	-
Moisture	%	U.S. EPA Method 4	-	4.49	-	-
Velocity	m/s	U.S. EPA Method 2	-	5.76	-	-
Flow Rate (Qsd)	m ³ /s	U.S. EPA Method 2	-	99.918	-	-
Oxygen	%	U.S. EPA Method 3	-	20.3	-	-
Total Suspended Particulate	mg/m ³	Isokinetic	Gravimetric Method (U.S. EPA Method 5)	1.7	240	-
Emission Rate of Total Suspended Particulate	g/s	-	Calculate	0.170	-	-
Emission Rate of Total Suspended Particulate	kg/rai/day	-	Calculate	0.034	-	2.4

Remark:

* The side used for determine the number of traverse points.

- Emission rate of pollutant (kg/rai/day) calculated from the project area of 425.82 rai.

- Flow Rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.

Standard^[1] : Notification Of The Ministry Of Science, Technology and Environment Re: Emission Standard Of The Steel Plant B.E. 2544

Standard^[2] : Emission rate of air-pollution of WHA Chonburi Industrial Estate 1

Reported results refer to submitted samples only.

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(Supawadee Saentawisuk)

ว-011-ค-0026

Laboratory Supervisor

20 / 03 / 26

----- End of Report -----



Ref. No. AR065/03/26

Report No. 2603/131

218/1/69

Stack Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Heeson Lormae (ว-011-ค-0019)
S.P.S. Consulting Service Co., Ltd. (ว-011)

Sampling Date : 7 March 2026
Date Received : 9 March 2026
Date of Analysis : 9-19 March 2026
Date Reported : 20 March 2026

Parameter	Unit	Sampling Method	Analytical Method	Blue Baghouse Outlet Point 22	Standard	
					[1]	[2]
Sampling Time	min	-	-	16:00-16:48	-	-
Height	m.	-	-	30.0	-	-
Diameter	cm.	-	-	600* x 350	-	-
Barometric Pressure	mmHg	-	-	756.06	-	-
Absolute Stack Gas Pressure	mmHg	-	-	756.03	-	-
Dry Gas Meter Temperature	°C	-	-	34.8	-	-
Stack Temperature	°C	-	-	69.0	-	-
Moisture	%	U.S. EPA Method 4	-	4.29	-	-
Velocity	m/s	U.S. EPA Method 2	-	6.16	-	-
Flow Rate (Qsd)	m ³ /s	U.S. EPA Method 2	-	107.323	-	-
Oxygen	%	U.S. EPA Method 3	-	20.4	-	-
Total Suspended Particulate	mg/m ³	Isokinetic	Gravimetric Method (U.S. EPA Method 5)	8.6	240	-
Emission Rate of Total Suspended Particulate	g/s	-	Calculate	0.923	-	-
Emission Rate of Total Suspended Particulate	kg/rai/day	-	Calculate	0.187	-	2.4

Remark:

* The side used for determine the number of traverse points.

- Emission rate of pollutant (kg/rai/day) calculated from the project area of 425.82 rai.

- Flow Rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.

Standard^[1] : Notification Of The Ministry Of Science, Technology and Environment Re: Emission Standard Of The Steel Plant B.E. 2544

Standard^[2] : Emission rate of air-pollution of WHA Chonburi Industrial Estate 1

Reported results refer to submitted samples only.

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ว-011-ค-0026

Laboratory Supervisor

20 / 03 / 26

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Ref. No. AR066/03/26

Report No. 2603/131

218/1/69

Stack Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Heeson Lormae (ว-011-ค-0019)
S.P.S. Consulting Service Co., Ltd. (ว-011)

Sampling Date : 7 March 2026
Date Received : 9 March 2026
Date of Analysis : 9-19 March 2026
Date Reported : 20 March 2026

Parameter	Unit	Sampling Method	Analytical Method	Blue Baghouse Outlet Point 23	Standard	
					[1]	[2]
Sampling Time	min	-	-	15:00-15:48	-	-
Height	m.	-	-	30.0	-	-
Diameter	cm.	-	-	600* x 350	-	-
Barometric Pressure	mmHg	-	-	756.06	-	-
Absolute Stack Gas Pressure	mmHg	-	-	756.03	-	-
Dry Gas Meter Temperature	°C	-	-	34.7	-	-
Stack Temperature	°C	-	-	67.0	-	-
Moisture	%	U.S. EPA Method 4	-	4.69	-	-
Velocity	m/s	U.S. EPA Method 2	-	5.79	-	-
Flow Rate (Qsd)	m ³ /s	U.S. EPA Method 2	-	100.955	-	-
Oxygen	%	U.S. EPA Method 3	-	20.1	-	-
Total Suspended Particulate	mg/m ³	Isokinetic	Gravimetric Method (U.S. EPA Method 5)	5.0	240	-
Emission Rate of Total Suspended Particulate	g/s	-	Calculate	0.505	-	-
Emission Rate of Total Suspended Particulate	kg/rai/day	-	Calculate	0.102	-	2.4

Remark:

* The side used for determine the number of traverse points.

- Emission rate of pollutant (kg/rai/day) calculated from the project area of 425.82 rai.

- Flow Rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.

Standard^[1] : Notification Of The Ministry Of Science, Technology and Environment Re: Emission Standard Of The Steel Plant B.E. 2544

Standard^[2] : Emission rate of air-pollution of WHA Chonburi Industrial Estate 1

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ว-011-ค-0026

Laboratory Supervisor

20 / 03 / 26

----- End of Report -----



Ref. No. AR067/03/26

Report No. 2603/131

218/1/69

Stack Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Heeson Lormae (๖-011-๓-0019)
S.P.S. Consulting Service Co., Ltd. (๖-011)

Sampling Date : 7 March 2026
Date Received : 9 March 2026
Date of Analysis : 9-19 March 2026
Date Reported : 20 March 2026

Parameter	Unit	Sampling Method	Analytical Method	Blue Baghouse Outlet Point 24	Standard	
					[1]	[2]
Sampling Time	min	-	-	14:00-14:48	-	-
Height	m.	-	-	30.0	-	-
Diameter	cm.	-	-	600* x 350	-	-
Barometric Pressure	mmHg	-	-	756.06	-	-
Absolute Stack Gas Pressure	mmHg	-	-	756.02	-	-
Dry Gas Meter Temperature	°C	-	-	34.8	-	-
Stack Temperature	°C	-	-	68.0	-	-
Moisture	%	U.S. EPA Method 4	-	4.73	-	-
Velocity	m/s	U.S. EPA Method 2	-	5.77	-	-
Flow Rate (Qsd)	m ³ /s	U.S. EPA Method 2	-	100.413	-	-
Oxygen	%	U.S. EPA Method 3	-	20.2	-	-
Total Suspended Particulate	mg/m ³	Isokinetic	Gravimetric Method (U.S. EPA Method 5)	4.8	240	-
Emission Rate of Total Suspended Particulate	g/s	-	Calculate	0.482	-	-
Emission Rate of Total Suspended Particulate	kg/rai/day	-	Calculate	0.098	-	2.4

Remark:

* The side used for determine the number of traverse points.

- Emission rate of pollutant (kg/rai/day) calculated from the project area of 425.82 rai.

- Flow Rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.

Standard^[1] : Notification Of The Ministry Of Science, Technology and Environment Re: Emission Standard Of The Steel Plant B.E. 2544

Standard^[2] : Emission rate of air-pollution of WHA Chonburi Industrial Estate 1

Reported results refer to submitted samples only.

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๖-011-๓-0026

Laboratory Supervisor

20 / 03 / 26

----- End of Report -----



Ref. No. AR070/03/26

Report No. 2603/131

218/1/69

Stack Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Heeson Lormae (๖-011-ค-0019)
S.P.S. Consulting Service Co., Ltd. (๖-011)

Sampling Date : 7 March 2026
Date Received : 9 March 2026
Date of Analysis : 9-19 March 2026
Date Reported : 20 March 2026

Parameter	Unit	Sampling Method	Analytical Method	Green Baghouse Stack	Standard	
					[1]	[2]
Sampling Time	min	-	-	16:30-17:12	-	-
Height	m.	-	-	15.0	-	-
Diameter	cm.	-	-	180	-	-
Barometric Pressure	mmHg	-	-	756.06	-	-
Absolute Stack Gas Pressure	mmHg	-	-	755.81	-	-
Dry Gas Meter Temperature	°C	-	-	34.6	-	-
Stack Temperature	°C	-	-	39.9	-	-
Moisture	%	U.S. EPA Method 4	-	3.81	-	-
Velocity	m/s	U.S. EPA Method 2	-	7.93	-	-
Flow Rate (Qsd)	m ³ /s	U.S. EPA Method 2	-	6.621	-	-
Oxygen	%	U.S. EPA Method 3	-	20.9	-	-
Total Suspended Particulate	mg/m ³	Isokinetic	Gravimetric Method (U.S. EPA Method 5)	5.7	240	-
Emission Rate of Total Suspended Particulate	g/s	-	Calculate	0.038	-	-
Emission Rate of Total Suspended Particulate	kg/rai/day	-	Calculate	0.008	-	2.4

Remark:

- Emission rate of pollutant (kg/rai/day) calculated from the project area of 425.82 rai.
- Flow Rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.

Standard^[1] : Notification Of The Ministry Of Science, Technology and Environment Re: Emission Standard Of The Steel Plant B.E. 2544

Standard^[2] : Emission rate of air-pollution of WHA Chonburi Industrial Estate 1

Reported results refer to submitted samples only.

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๖-011-ค-0026

Laboratory Supervisor

20 / 03 / 26

----- End of Report -----



Ref. No. AR068/03/26

Report No. 2603/131_1

218/1/69

Stack Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Heeson Lormae (ว-011-ค-0019)
S.P.S. Consulting Service Co., Ltd. (ว-011)

Sampling Date : 7 March 2026
Date Received : 9 March 2026
Date of Analysis : 9-19 March 2026
Date Reported : 20 March 2026

Parameter	Unit	Sampling Method	Analytical Method	Heating Zone (RHF 1)	Standard
Sampling Time	min	-	-	10:25-11:13	-
Height	m.	-	-	20.0	-
Diameter	cm.	-	-	153	-
Barometric Pressure	mmHg	-	-	756.06	-
Absolute Stack Gas Pressure	mmHg	-	-	754.63	-
Dry Gas Meter Temperature	°C	-	-	34.4	-
Stack Temperature	°C	-	-	353	-
Moisture	%	U.S. EPA Method 4	-	11.63	-
Velocity	m/s	U.S. EPA Method 2	-	13.55	-
Flow Rate (Qsd)	m ³ /s	U.S. EPA Method 2	-	4.784	-
Oxygen	%	U.S. EPA Method 3	-	7.6	-
Oxides of Nitrogen	ppm	Absorption	Phenoldisulfonic Acid Method (U.S. EPA Method 7)	28	200
Oxides of Nitrogen	mg/m ³	Absorption	Phenoldisulfonic Acid Method (U.S. EPA Method 7)	53	376
Emission Rate of Oxides of Nitrogen	g/s	-	Calculate	0.254	-
Emission Rate of Oxides of Nitrogen	kg/rai/day	-	Calculate	0.051	-

Remark:

- Emission rate of pollutant (kg/rai/day) calculated from the project area of 425.82 rai.
 - Flow Rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.
- Standard : Notification Of The Ministry Of Science, Technology and Environment Re: Emission Standard Of The Steel Plant B.E. 2544

Reported results refer to submitted samples only.

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ว-011-ค-0026

Laboratory Supervisor

20 / 03 / 26

----- End of Report -----



Ref. No. AR069/03/26

Report No. 2603/131_1

218/1/69

Stack Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Heeson Lormae (๖-011-๐-0019)
S.P.S. Consulting Service Co., Ltd. (๖-011)

Sampling Date : 7 March 2026
Date Received : 9 March 2026
Date of Analysis : 9-19 March 2026
Date Reported : 20 March 2026

Parameter	Unit	Sampling Method	Analytical Method	Holding Zone (RHF 2)	Standard
Sampling Time	min	-	-	14:30-15:18	-
Height	m.	-	-	20.0	-
Diameter	cm.	-	-	153	-
Barometric Pressure	mmHg	-	-	756.06	-
Absolute Stack Gas Pressure	mmHg	-	-	754.63	-
Dry Gas Meter Temperature	°C	-	-	34.1	-
Stack Temperature	°C	-	-	358	-
Moisture	%	U.S. EPA Method	-	11.94	-
Velocity	m/s	U.S. EPA Method	-	13.29	-
Flow Rate (Qsd)	m ³ /s	U.S. EPA Method	-	4.784	-
Oxygen	%	U.S. EPA Method	-	8.5	-
Oxides of Nitrogen	ppm	Absorption	Phenoldisulfonic Acid Method (U.S. EPA Method 7)	39	200
Oxides of Nitrogen	mg/m ³	Absorption	Phenoldisulfonic Acid Method (U.S. EPA Method 7)	73	376
Emission Rate of Oxides of Nitrogen	g/s	-	Calculate	0.349	-
Emission Rate of Oxides of Nitrogen	kg/rai/day	-	Calculate	0.071	-

Remark:

- Emission rate of pollutant (kg/rai/day) calculated from the project area of 425.82 rai.
- Flow Rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.
- Standard : Notification Of The Ministry Of Science, Technology and Environment Re: Emission Standard Of The Steel Plant B.E. 2544

Reported results refer to submitted samples only.
Do not copy partial of this analysis report without official approval.

(Supawadee Saentawisuk)

๖-011-๐-0026

Laboratory Supervisor

20 / 03 / 26

----- End of Report -----

เอกสารแนบ 4-3
ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้ง



Ref. No. WR518/03/26

Report No. 2603/238

218/1/69

Wastewater Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Sampling Method : Grab
Sampling by : Heeson Lormae (ว-011-ค-0019)
S.P.S. Consulting Service Co., Ltd. (ว-011)
Sampling Date : 12 March 2026
Date Received : 12 March 2026
Date of Analysis : 12-20 March 2026
Date Reported : 23 March 2026

Parameter	Analytical Method	Cooling Water Discharge Pond	Standard
pH	Electrometric Method (4500-H ⁺ B.)	8.5	5.5-9.0
Temperature (°C)	Laboratory and Field Methods (2550 B.)	27.6	Not more than 40
Total Suspended Solids (mg/L)	Total Suspended Solids Dried at 103-105 °C (2540 D.)	2.2	Not more than 50
BOD ₅ (mg/L)	5 Day BOD Test (5210 B.) & Membrane Electrode Method (4500-O G.)	2	Not more than 20
Grease & Oil (mg/L)	Liquid-Liquid, Partition-Gravimetric Method (5520 B.)	<2	Not more than 5
Manganese (mg/L)	Digestion, Inductively Coupled Plasma Method (3030 F. & 3120 B.)	0.015	Not more than 5.0

Sample Characteristics : Slightly precipitate

Remark :

Standard : Industrial Effluent Standards, Notification of the Ministry of Natural Resources and Environment, B.E. 2559

Method : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.

(Waraphon Phoowat)

ว-011-ค-0038

Laboratory Supervisor

23 / 03 / 26

----- End of Report -----



Ref. No. WR518/03/26

Report No. 2603/238_1

218/1/69

Wastewater Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Sampling Method : Grab
Sampling by : Heeson Lormae
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 12 March 2026
Date Received : 12 March 2026
Date of Analysis : 12-20 March 2026
Date Reported : 23 March 2026

Parameter	Analytical Method	Cooling Water Discharge Pond
Dissolved Oxygen (mg/L)	Azide Modification (4500-O C.)	6.0
Fecal Coliform Bacteria (MPN/100. mL)	Multiple-Tube Fermentation Technique (9221 E.)	<1.8

Sample Characteristics : Slightly precipitate

Remark :

Method : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

Reported results refer to submitted samples only.

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(Waraphon Phoowat)

Laboratory Supervisor

23 / 03 / 26

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S.P.S. CONSULTING SERVICE CO., LTD.
7 ซอยพหลโยธิน 24 ถนนพหลโยธิน แขวงจอมพล เขตจตุจักร กรุงเทพฯ 10900
7 Soi Phaholyothin 24, Phaholyothin Rd., Jompol, Chatuchak, Bangkok 10900
Tel : (662) 939-4370-72, Fax : (662) 513-4221, E-mail : sale@spscon.com., www.spscon.com

1/1

Ref. No. WR427/06/26

Report No. 2606/194

218/1/69

Wastewater Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Sampling Method : Grab
Sampling by : Anucha Somjai (ว-011-จ-0056)
S.P.S. Consulting Service Co., Ltd. (ว-011)

Sampling Date : 11 June 2026
Date Received : 11 June 2026
Date of Analysis : 11-19 June 2026
Date Reported : 22 June 2026

Parameter	Analytical Method	Cooling Water Discharge Pond	Standard
pH	Electrometric Method (4500-H ⁺ B.)	8.1	5.5-9.0
Temperature (°C)	Laboratory and Field Methods (2550 B.)	31.2	Not more than 40
Total Suspended Solids (mg/L)	Total Suspended Solids Dried at 103-105 °C (2540 D.)	<2.0	Not more than 50
BOD ₅ (mg/L)	5 Day BOD Test (5210 B.) & Membrane Electrode Method (4500-O G.)	3	Not more than 20
Grease & Oil (mg/L)	Liquid-Liquid, Partition-Gravimetric Method (5520 B.)	<2	Not more than 5
Manganese (mg/L)	Digestion, Inductively Coupled Plasma Method (3030 F. & 3120 B.)	0.020	Not more than 5.0

Sample Characteristics : Clear

Remark :

Standard : Industrial Effluent Standards, Notification of the Ministry of Natural Resources and Environment, B.E. 2559

Method : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

Reported results refer to submitted samples only.

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(Waraphon Phooowat)

ว-011-ค-0038

Laboratory Supervisor

11 / 06 / 26

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บริษัท เอส.พี.เอส. คอนซัลติ้ง เซอร์วิส จำกัด
S.P.S. CONSULTING SERVICE CO., LTD.
7 ซอยพหลโยธิน 24 ถนนพหลโยธิน แขวงจอมพล เขตจตุจักร กรุงเทพฯ 10900
7 Soi Phaholyothin 24, Phaholyothin Rd., Jompol, Chatuchak, Bangkok 10900
Tel : (662) 939-4370-72, Fax : (662) 513-4221, E-mail : sale@spscon.com., www.spscon.com

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Ref. No. WR427/06/26

Report No. 2606/194_1

218/1/69

Wastewater Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Sampling Method : Grab
Sampling by : Anucha Somjai
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 11 June 2026
Date Received : 11 June 2026
Date of Analysis : 11-19 June 2026
Date Reported : 22 June 2026

Parameter	Analytical Method	Cooling Water Discharge Pond
Dissolved Oxygen (mg/L)	Azide Modification (4500-O C.)	6.4
Fecal Coliform Bacteria (MPN/100 mL)	Multiple-Tube Fermentation Technique (9221 E.)	2.0

Sample Characteristics : Clear

Remark :

Method : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.

(Waraphon Phoowat)

Laboratory Supervisor

22 / 06 / 26

----- End of Report -----

เอกสารแนบ 4-4
ผลการตรวจวัดระดับเสียง



RY207/03/69

218/1/69

Noise Level Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling By : S.P.S. Consulting Service Co., Ltd.

Sampling Date : 7-8 March 2026
Date Reported : 23 March 2026

Time	Ban Bo Win Area		Standard
	L _{eq} 1 hr [dB(A)]	L ₉₀ [dB(A)]	
12:00-13:00	53.6	46.2	-
13:00-14:00	53.4	45.6	-
14:00-15:00	54.0	45.8	-
15:00-16:00	53.6	46.5	-
16:00-17:00	54.4	47.6	-
17:00-18:00	55.8	49.3	-
18:00-19:00	55.2	48.8	-
19:00-20:00	51.7	46.4	-
20:00-21:00	52.4	46.5	-
21:00-22:00	49.8	45.3	-
22:00-23:00	48.5	44.9	-
23:00-00:00	49.4	45.1	-
00:00-01:00	50.6	45.4	-
01:00-02:00	50.3	44.6	-
02:00-03:00	48.1	45.0	-
03:00-04:00	48.0	44.3	-
04:00-05:00	47.9	44.0	-
05:00-06:00	51.3	45.0	-
06:00-07:00	55.3	48.1	-
07:00-08:00	54.8	47.7	-
08:00-09:00	56.5	49.6	-
09:00-10:00	55.3	48.5	-
10:00-11:00	55.4	48.6	-
11:00-12:00	55.2	48.1	-
L _{eq} 24 hr [dB(A)]	53.3	-	Less Than 70.0
L _{max} [dB(A)]	88.8	-	Less Than 115.0
L _{dn} [dB(A)]	57.8	-	-
-	Sound Level Meter Data		-
	Calibrate Sheet No.: Noise R_118/26		
	06 March 2026		
	SLM No.	Brand	
	ACO-R14	ACO	
	Model	Serial No.	
	6236	00172061	
	Actual Reading [dB]		
Before Adjustment		After Adjustment	
93.9		93.9	

Remark:

Standard = Community Noise Standards, Notification of the National Environment Board, No. 15, B.E. 2540 (1997)

Sampling Method = Sound Level Meter

Acoustic Calibrator, ACO, Model 2127, S/N. 130006

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.

Tikumporn P.
(Tikumporn Phoonphuang)

Technical Supervisor
23 / 03 / 26



บริษัท เอส.พี.เอส. คอนซัลติ้ง เซอร์วิส จำกัด
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RY207/03/69

218/1/69

Noise Level Report

Project : G J Steel Public Company Limited Sampling Date : 7-8 March 2026
Project Location : WHA Chonburi Industrial Estate 1 Date Reported : 23 March 2026
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	East Boundary Area		Standard
	L _{eq} 1 hr [dB(A)]	L ₉₀ [dB(A)]	
10:00-11:00	61.2	59.1	-
11:00-12:00	60.4	59.1	-
12:00-13:00	63.1	61.0	-
13:00-14:00	61.8	60.3	-
14:00-15:00	61.9	60.4	-
15:00-16:00	62.9	59.0	-
16:00-17:00	59.5	55.2	-
17:00-18:00	60.9	59.8	-
18:00-19:00	62.5	59.5	-
19:00-20:00	61.0	59.8	-
20:00-21:00	61.6	60.0	-
21:00-22:00	61.9	60.3	-
22:00-23:00	61.8	59.0	-
23:00-00:00	61.9	59.9	-
00:00-01:00	61.3	60.1	-
01:00-02:00	60.6	59.3	-
02:00-03:00	60.8	59.8	-
03:00-04:00	62.1	60.7	-
04:00-05:00	62.1	58.5	-
05:00-06:00	59.0	56.0	-
06:00-07:00	59.4	57.1	-
07:00-08:00	61.2	59.8	-
08:00-09:00	61.7	60.3	-
09:00-10:00	61.7	60.1	-
L _{eq} 24 hr [dB(A)]	61.5	-	Less Than 70.0
L _{max} [dB(A)]	90.1	-	Less Than 115.0
L _{dn} [dB(A)]	67.6	-	-
-	Sound Level Meter Data		-
	Calibrate Sheet No.: Noise R_118/26		
	06 March 2026		
	SLM No.	Brand	
	ACO-B05	ACO	
	Model	Serial No.	
	6236	00142002	
Actual Reading [dB]			
Before Adjustment		After Adjustment	
93.9		93.9	

Remark:

Standard = Nuisance Noise and Noise Level from Factory Activities, Notification of the Ministry of Industry, B.E. 2548 (2005)

Sampling Method = Sound Level Meter

Acoustic Calibrator, ACO, Model 2127, S/N. 130006

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.

Tikumporn P.
(Tikumporn Phoonphuang)
Technical Supervisor
23 / 03 / 26

เอกสารแนบ 4-5

ผลตรวจวัดคุณภาพอากาศในสถานประกอบการ



Ref. No. AR047/03/26

Report No. 2603/129

218/1/69

Workplace Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Titinan Ruengram
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 8 March 2026
Date Received : 9 March 2026
Date of Analysis : 9-19 March 2026
Date Reported : 20 March 2026

Parameter	Sampling Method	Analytical Method	EAF Area (คุณสมบัติเขต พงอินทร์)	Standard
Respirable Dust (Morning) (mg/m ³)	Cyclone-Filter	Gravimetric Method (NIOSH 0600)	1.1	5
Respirable Dust (Afternoon) (mg/m ³)	Cyclone-Filter	Gravimetric Method (NIOSH 0600)	1.0	5
Respirable Dust (Average) (mg/m ³)	-	Calculate	1.1	5

Remark:

Standard : Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELS) on 8-hour time weighted averages (TWAs)

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.

(Supawadee Saentawisuk)

Laboratory Supervisor

20 / 03 / 26

----- End of Report -----



Ref. No. AR048/03/26

Report No. 2603/129

218/1/69

Workplace Air Quality Analysis Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling by : Titinan Ruengram
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 8 March 2026
Date Received : 9 March 2026
Date of Analysis : 9-19 March 2026
Date Reported : 20 March 2026

Parameter	Sampling Method	Analytical Method	Scrap Bay Area (คุณมีสวัสดิ์ วัฒนธกร)	Standard
Respirable Dust (Morning) (mg/m ³)	Cyclone-Filter	Gravimetric Method (NIOSH 0600)	0.86	5
Respirable Dust (Afternoon) (mg/m ³)	Cyclone-Filter	Gravimetric Method (NIOSH 0600)	0.86	5
Respirable Dust (Average) (mg/m ³)	-	Calculate	0.86	5

Remark:

Standard : Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELS) on 8-hour time weighted averages (TWAs)

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.

(Supawadee Saentawisuk)

Laboratory Supervisor

20 / 03 / 26

----- End of Report -----

เอกสารแนบ 4-6

ผลการตรวจวัดเสียงในสถานประกอบการ



RY209/03/69

218/1/69

Noise Level Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling By : S.P.S. Consulting Service Co., Ltd.

Sampling Date : 8 March 2026
Date Reported : 19 March 2026

Time	EAF Area					Standard
	L _{eq} 1 hr [dB(A)]					
09:30-10:30	89.4					-
10:30-11:30	89.5					-
11:30-12:30	86.7					-
12:30-13:30	89.7					-
13:30-14:30	89.4					-
14:30-15:30	90.1					-
15:30-16:30	88.8					-
16:30-17:30	91.1					-
L _{eq} 8 hr [dB(A)]	89.5					Less Than 90.0 ^[1]
TWA 8 hr [dB(A)]	89.5					Less Than 85.0 ^[3]
L _{max} [dB(A)]	102.0					Less Than 140.0 ^[1]
						Less Than 115.0 ^[2]
-	Sound Level Meter Data					-
	Calibrate Sheet No.: Noise R_117/26			07 March 2026		
	Equipment	Brand	Model	Serial No.	Standard	
	Sound Level Meter (No.B43)	ACO	6236	00192034	IEC 61672	
	Actual Reading [dB]					
	Before Adjustment			After Adjustment		
	93.9			93.9		

Remark:

- Standard^[1] = Safety Protection Measures in Industrial Plant Operation Concerning Working Environment, Notification of the Ministry of Industry, B.E. 2546 (2003)
- Standard^[2] = Standard for Administration, Management and Implementation of Safety, Occupational Health and Working Environment in Relation to Heat, Light and Noise, Regulation of the Ministry of Labour, B.E. 2559 (2016) Published in the Government Gazette on 17 October B.E. 2559 (2016)
- Standard^[3] = Standard of the Allowable Average Noise Level for Employees Obtain in a Working Day, Notification of the Department of Labour Protection and Welfare, Dated 13 December B.E. 2560 (2017) B.E., Published in the Government Gazette on 26 January B.E. 2561 (2018)
- Sampling Method = Sound Level Meter
- Acoustic Calibrator, ACO, Model 2127, S/N. 130006, IEC 60942

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.


(Phenpha Vipasthawatt)

Technician and Analysis of Work Environment

19 / 03 / 26



RY209/03/69

218/1/69

Noise Level Report

Project : G J Steel Public Company Limited
Project Location : WHA Chonburi Industrial Estate 1
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling By : S.P.S. Consulting Service Co., Ltd.

Sampling Date : 8 March 2026
Date Reported : 19 March 2026

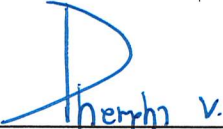
Time	Mill Stands Area					Standard
	L _{eq} 1 hr [dB(A)]					
09:00-10:00	82.9					-
10:00-11:00	82.9					-
11:00-12:00	82.9					-
12:00-13:00	82.5					-
13:00-14:00	83.0					-
14:00-15:00	82.8					-
15:00-16:00	82.7					-
16:00-17:00	83.0					-
L _{eq} 8 hr [dB(A)]	82.8					Less Than 90.0 ^[1]
TWA 8 hr [dB(A)]	82.8					Less Than 85.0 ^[3]
L _{max} [dB(A)]	88.2					Less Than 140.0 ^[1]
						Less Than 115.0 ^[2]
-	Sound Level Meter Data					-
	Calibrate Sheet No.: Noise R_117/26			07 March 2026		
	Equipment	Brand	Model	Serial No.	Standard	
	Sound Level Meter (No.R40)	ACO	6236	00192052	IEC 61672	
	Actual Reading [dB]					
	Before Adjustment			After Adjustment		
	93.9			93.9		

Remark:

- Standard^[1] = Safety Protection Measures in Industrial Plant Operation Concerning Working Environment, Notification of the Ministry of Industry, B.E. 2546 (2003)
- Standard^[2] = Standard for Administration, Management and Implementation of Safety, Occupational Health and Working Environment in Relation to Heat, Light and Noise, Regulation of the Ministry of Labour, B.E. 2559 (2016) Published in the Government Gazette on 17 October B.E. 2559 (2016)
- Standard^[3] = Standard of the Allowable Average Noise Level for Employees Obtain in a Working Day, Notification of the Department of Labour Protection and Welfare, Dated 13 December B.E. 2560 (2017) B.E., Published in the Government Gazette on 26 January B.E. 2561 (2018)
- Sampling Method = Sound Level Meter
- Acoustic Calibrator, ACO, Model 2127, S/N. 130006, IEC 60942

Reported results refer to measurement time only.

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(Phenpha Vipasthawatt)

Technician and Analysis of Work Environment

19 / 03 / 26



RY198/06/69

218/1/69

Noise Level Report

Project : G J Steel Public Company Limited Sampling Date : 13 June 2026
Project Location : WHA Chonburi Industrial Estate 1 Date Reported : 25 June 2026
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	EAF Area					Standard
	L _{eq} 1 hr [dB(A)]					
08:00-09:00	85.4					-
09:00-10:00	87.4					-
10:00-11:00	86.8					-
11:00-12:00	85.6					-
12:00-13:00	87.9					-
13:00-14:00	86.6					-
14:00-15:00	83.7					-
15:00-16:00	84.1					-
L _{eq} 8 hr [dB(A)]	86.2					Less Than 90.0 ^[1]
TWA 8 hr [dB(A)]	86.2					Less Than 85.0 ^[3]
L _{max} [dB(A)]	98.6					Less Than 140.0 ^[1]
						Less Than 115.0 ^[2]
-	Sound Level Meter Data					-
	Calibrate Sheet No.: Noise R_338/26			12 June 2026		
	SLM No.	Brand	Model	Serial No.	Standard	
	ACO-B43	ACO	6236	00192034	IEC 61672	
	Actual Reading [dB]					
	Before Adjustment			After Adjustment		
	93.9			93.9		

Remark:

- Standard^[1] = Safety Protection Measures in Industrial Plant Operation Concerning Working Environment, Notification of the Ministry of Industry, B.E. 2546 (2003)
- Standard^[2] = Standard for Administration, Management and Implementation of Safety, Occupational Health and Working Environment in Relation to Heat, Light and Noise, Regulation of the Ministry of Labour, B.E. 2559 (2016) Published in the Government Gazette on 17 October B.E. 2559 (2016)
- Standard^[3] = Standard of the Allowable Average Noise Level for Employees Obtain in a Working Day, Notification of the Department of Labour Protection and Welfare, Dated 13 December B.E. 2560 (2017) B.E., Published in the Government Gazette on 26 January B.E. 2561 (2018)

Sampling Method = Sound Level Meter

Acoustic Calibrator, ACO, Model 2127, S/N. 130006, IEC 60942

Reported results refer to measurement time only.

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(Napatsawan Saengthabthim)

Technician and Analysis of Work Environment

25 / 6 / 26



RY198/06/69

218/1/69

Noise Level Report

Project : G J Steel Public Company Limited Sampling Date : 13 June 2026
Project Location : WHA Chonburi Industrial Estate 1 Date Reported : 25 June 2026
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	Mill Stands Area					Standard
	L _{eq} 1 hr [dB(A)]					
08:30-09:30	87.0					-
09:30-10:30	88.1					-
10:30-11:30	88.3					-
11:30-12:30	87.7					-
12:30-13:30	87.6					-
13:30-14:30	87.4					-
14:30-15:30	87.5					-
15:30-16:30	87.8					-
L _{eq} 8 hr [dB(A)]	87.7					Less Than 90.0 ^[1]
TWA 8 hr [dB(A)]	87.7					Less Than 85.0 ^[3]
L _{max} [dB(A)]	95.9					Less Than 140.0 ^[1]
						Less Than 115.0 ^[2]
-	Sound Level Meter Data					-
	Calibrate Sheet No.: Noise R_338/26			12 June 2026		
	SLM No.	Brand	Model	Serial No.	Standard	
	ACO-R40	ACO	6236	00192052	IEC 61672	
	Actual Reading [dB]					
	Before Adjustment			After Adjustment		
	94.0			93.9		

Remark:

- Standard^[1] = Safety Protection Measures in Industrial Plant Operation Concerning Working Environment, Notification of the Ministry of Industry, B.E. 2546 (2003)
- Standard^[2] = Standard for Administration, Management and Implementation of Safety, Occupational Health and Working Environment in Relation to Heat, Light and Noise, Regulation of the Ministry of Labour, B.E. 2559 (2016) Published in the Government Gazette on 17 October B.E. 2559 (2016)
- Standard^[3] = Standard of the Allowable Average Noise Level for Employees Obtain in a Working Day, Notification of the Department of Labour Protection and Welfare, Dated 13 December B.E. 2560 (2017) B.E., Published in the Government Gazette on 26 January B.E. 2561 (2018)
- Sampling Method = Sound Level Meter
- Acoustic Calibrator, ACO, Model 2127, S/N. 130006, IEC 60942

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.



(Napatsawan Saengthabthim)

Technician and Analysis of Work Environment

25 / 6 / 26

เอกสารแนบ 4-7

ผลการตรวจวัดความร้อนในสถานประกอบการ



RY209/03/69

218/1/69

Heat Level Report

Project : G J Steel Public Company Limited Sampling Date : 8 March 2026
Project Location : WHA Chonburi Industrial Estate 1 Date Reported : 19 March 2026
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling By : S.P.S. Consulting Service Co., Ltd.

No.	Time	Stations	Working time (minute)	WBGT °C					Standard
				DB °C	NWB °C	GT °C	%RH	WBGT °C	
1	09:20-10:00	EAF Area Work at the furnace for 20 minutes	40	43.4	29.3	45.9	63	34.3 (in)	-
2	10:00-11:20	Rest in the control room for 100 minutes	80	27.2	17.7	28.4	61	20.9 (in)	-
Average (09:20-11:20)								25.4	Less Than 30.0 ^{[1]/[2]} Heavy Workload
Heat Stress WBGT Meter Data									
Calibrate Sheet No.: SPR25100063-4					08 October 2025				
Equipment		Brand		Model		Serial No.		Standard	
Heat Stress WBGT Meter (No.R04)		Quest Technologies		QUESTemp 34		TEN040005		ISO 7243	

Remark :

- Standard^[1] = Safety Protection Measures in Industrial Plant Operation Concerning Working Environment,
Notification of the Ministry of Industry, B.E. 2546 (2003)
- Standard^[2] = Standard for Administration, Management and Implementation of Safety, Occupational Health and Working Environment
in Relation to Heat, Light and Noise, Regulation of the Ministry of Labour, B.E. 2559 (2016) Published in the Government Gazette
on 17 October B.E. 2559 (2016)

Indoor With No Solar Load : WBGT = 0.7 NWB + 0.3 GT

DB = Dry Bulb Temperature (°C)

GT = Globe Temperature (°C)

NWB = Natural Wet Bulb Temperature (°C)

WBGT = Wet Bulb Globe Temperature (°C)

Sampling Method = Wet Bulb Globe Temperature Index

Heat Stress WBGT Meter (No.R04) Calibrate before Measurement on 07 March 2026

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.


(Phenpha Vipasthawatt)

Technician and Analysis of Work Environment

19 / 03 / 26



RY209/03/69

218/1/69

Heat Level Report

Project : G J Steel Public Company Limited Sampling Date : 8 March 2026
Project Location : WHA Chonburi Industrial Estate 1 Date Reported : 19 March 2026
358 Moo 6, Bowin, Sriracha, Chonburi
Client Name/Address : G J Steel Public Company Limited
Sampling By : S.P.S. Consulting Service Co., Ltd.

No.	Time	Stations	Working time (minute)	WBGT °C					Standard
				DB °C	NWB °C	GT °C	%RH	WBGT °C	
1	09:00-09:20	Mill Stands Area Work at the mill stand for 20 minutes	20	35.7	28.1	36.9	72	30.7 (in)	-
2	09:20-11:00	Rest in the control room for 100 minutes	100	23.6	18.0	24.3	70	19.9 (in)	-
Average (09:00-11:00)								21.7	Less Than 34.0 ^{[1]/[2]} Light Workload
Heat Stress WBGT Meter Data									
Calibrate Sheet No.: SPR26010387-2					03 February 2026				
Equipment			Brand	Model		Serial No.		Standard	
Heat Stress WBGT Meter (No.R05)			Metrosonics	hs-32		MCD070035		ISO 7243	

Remark :

- Standard^[1] = Safety Protection Measures in Industrial Plant Operation Concerning Working Environment,
Notification of the Ministry of Industry, B.E. 2546 (2003)
- Standard^[2] = Standard for Administration, Management and Implementation of Safety, Occupational Health and Working Environment
in Relation to Heat, Light and Noise, Regulation of the Ministry of Labour, B.E. 2559 (2016) Published in the Government Gazette
on 17 October B.E. 2559 (2016)

Indoor With No Solar Load : WBGT = 0.7 NWB + 0.3 GT

DB = Dry Bulb Temperature (°C)

GT = Globe Temperature (°C)

NWB = Natural Wet Bulb Temperature (°C)

WBGT = Wet Bulb Globe Temperature (°C)

Sampling Method = Wet Bulb Globe Temperature Index

Heat Stress WBGT Meter (No.R05) Calibrate before Measurement on 07 March 2026

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.


(Phenpha Vipasthawatt)

Technician and Analysis of Work Environment

19 / 03 / 26