

# ภาคผนวก ค

---

ผลการตรวจวัดคุณภาพสิ่งแวดล้อม



คุณภาพอากาศจากแหล่งกำเนิด

---



## Analysis / Test Report

**Client** : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O** : 2023-1047  
**Project Name** : EIA Monitoring  
**Project Location** :

**Lot ID: 2359118**  
Date Received : Jun 12, 2023  
Date Reported : Jun 16, 2023  
Report Number : 2659242-1

Page 1 of 1

**Sample Number** : 2359118-1  
**Sample Description** : Emission from Stationary Source  
**Location** : HRSG #1  
**Measurement Date** : Jun 10, 2023

### Stack Description

Ambient Temperature	31 °C	Diameter	5.00 m	Oxygen	14.37 %
Ambient Pressure	757 mmHg	Shape	Circle	Carbon dioxide	3.71 %
Type of Process	Combustion	Stack Temperature	138 °C	Gas Velocity	26.42 m/s
Type of Fuel	Natural Gas	Moisture	7.63 %	Flow Rate	1244114 Nm <sup>3</sup> /hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Sulfur Dioxide (ppm)		Carbon Monoxide (ppm)	
				at Actual O <sub>2</sub>	at 7% O <sub>2</sub>	at Actual O <sub>2</sub>	at 7% O <sub>2</sub>
1	10:30 AM - 10:50 AM	14.38	3.71	0.21	0.45	8.81	18.78
2	10:51 AM - 11:11 AM	14.37	3.71	0.20	0.42	8.69	18.50
3	11:12 AM - 11:32 AM	14.36	3.71	0.13	0.27	8.60	18.28
Average (ppm)		14.37	3.71	0.18	0.38	8.70	18.52
Guideline <sup>1/</sup> (ppm)				-	15	-	-
Guideline <sup>2/</sup> (ppm)				-	20	-	-
Guideline <sup>3/</sup> (ppm)				-	-	-	690
Result (mg/Nm <sup>3</sup> )				0.47	1.00	9.96	21.21
Emission Rate at Actual O <sub>2</sub> (g/s)				0.1616		3.4429	
Guideline <sup>1/</sup> (g/s)				6.56		-	
Method				US EPA Method 6C		US EPA Method 10	

**Sampled By** : Saksit Phaisanphisut

**Guideline** : <sup>1/</sup>Environmental Impact Assessment Report of Siam Power Generation Company Limited.

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

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

**Note** : ระบบเดินเครื่องมากกว่า 80 % Load

**Technical Management**

  
Wichan Choonharat  
Manager  
ทะเบียนเลขที่ ว-204-ค-6113

**Approved by**

  
Sarayuth Jittrantont  
Assistant General Manager  
ทะเบียนเลขที่ ว-204-ค-4702

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250, THAILAND | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197  
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

**Client** : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O** : 2023-1047  
**Project Name** : EIA Monitoring  
**Project Location** :

**Lot ID: 2359118**  
Date Received :Jun 12, 2023  
Date Reported :Jun 16, 2023  
Report Number :2659242-1

Page 1 of 1

**Sample Number** 2359118-1  
**Sample Description** Emission from Stationary Source  
**Location** HRSG #1  
**Measurement Date** Jun 10, 2023

		Stack Description			
Ambient Temperature	31 °C	Diameter	5.00 m	Oxygen	14.37 %
Ambient Pressure	757 mmHg	Shape	Circle	Carbon dioxide	3.71 %
Type of Process	Combustion	Stack Temperature	138 °C	Gas Velocity	26.42 m/s
Type of Fuel	Natural Gas	Moisture	7.63 %	Flow Rate	1244114 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)	
				at Actual O <sub>2</sub>	At 7% O <sub>2</sub>
1	10:30 AM - 10:50 AM	14.38	3.71	7.09	15.11
2	10:51 AM - 11:11 AM	14.37	3.71	7.10	15.12
3	11:12 AM - 11:32 AM	14.36	3.71	7.05	14.99
Average (ppm)		14.37	3.71	7.08	15.07
Guideline <sup>1/</sup> (ppm)				-	60
Guideline <sup>2/</sup> (ppm)				-	120
Result (mg/Nm <sup>3</sup> )				13.32	28.36
Emission Rate at Actual O <sub>2</sub> (g/s)				4.6034	
Guideline <sup>1/</sup> (g/s)				18.87	
Method				US EPA Method 7E	

**Sampled By :** Saksit Phaisanphisut  
**Guideline :** <sup>1/</sup>Environmental Impact Assessment Report of Siam Power Generation Company Limited.  
<sup>2/</sup>Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).  
**Note :** ระบบเดินเครื่องมากกว่า 80 % Load

Technical Management

Wichan Choonharat  
Manager  
ทะเบียนเลขที่ ว-204-ค-6113

Approved by

Sarayuth Jittrantont  
Assistant General Manager  
ทะเบียนเลขที่ ว-204-ค-4702

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakarn, Khet Suan Luang, Bangkok 10250, THAILAND | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197  
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2359124**  
Date Received : Jun 10, 2023  
Date Reported : Jun 19, 2023  
Report Number: 2659251-1

Page 1 of 2

**Sample Number** 2359124-1  
**Sampled Date** Jun 10, 2023  
**Sample Description** Emission from Stationary Source  
**Location** HRSG #1  
**Date Analysis Commenced** Jun 13, 2023  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish and one plastic bottle

### Stack Description

Ambient Pressure	751	mmHg	Diameter	5.00	m	Oxygen	14.4	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	3.7	%
Type of Process	Combustion		Stack Temperature	138	°C	Gas Velocity	26.5	m/s
Type of Fuel	Natural Gas		Moisture	7.70	%	Flow Rate (Actual O2)	1238390	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Air Testing</b>									
Total Suspended Particulate	10:30 AM - 11:30 AM	mg/m3	-	0.5	<0.5	60	40	United States Environmental Protection Agency, EPA Method 5	Rayong

**Guideline :** (1) : Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).  
(2) : Environmental Impact Assessment Report of General Electric International Operations Company Inc.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)  
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

*D. Chuan.*

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ว-323-ค-9442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2359124**  
Date Received : Jun 10, 2023  
Date Reported : Jun 19, 2023  
Report Number: 2659251-1

Page 2 of 2

**Sample Number** 2359124-1  
**Sampled Date** Jun 10, 2023  
**Sample Description** Emission from Stationary Source  
**Location** HRSG #1  
**Date Analysis Commenced** Jun 13, 2023  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish and one plastic bottle

### Stack Description

Ambient Pressure	751	mmHg	Diameter	5.00	m	Oxygen	14.4	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	3.7	%
Type of Process	Combustion		Stack Temperature	138	°C	Gas Velocity	26.5	m/s
Type of Fuel	Natural Gas		Moisture	7.70	%	Flow Rate (Actual O2)	1238390	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Air Testing</b>									
Total Suspended Particulate *	10:30 AM - 11:30 AM	g/s	-	-	<0.172	-	6.69	Calculated	Rayong

**Guideline :** (1) : Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).  
(2) : Environmental Impact Assessment Report of General Electric International Operations Company Inc.

**Sampled By :** Sittipan Sanachiw

Remark :

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)  
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

*D. Chumon.*

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ว-323-ค-9442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

6872-21/ EMAIL

S:\Reports\_Air Stack\_2GL.rpt ( 3:36PM)



## คุณภาพอากาศในบรรยากาศ

---





## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1110

**Project Name :** EIA Monitoring

**Project Location :**

**Lot ID: 2359185**

Date Received : Jun 19, 2023

Date Reported : Jun 23, 2023

Report Number: 2694559-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** Ban Mabtong  
**Parameter** Nitrogen dioxide (ppm)  
**Measurement Date** Jun 10, 2023 - Jun 17, 2023  
**Measurement by** Chatchai Sukpia

	2359185-1	2359185-2	2359185-3	2359185-4	2359185-5	2359185-6	2359185-7
Time	Jun 10, 2023	Jun 11, 2023	Jun 12, 2023	Jun 13, 2023	Jun 14, 2023	Jun 15, 2023	Jun 16, 2023
09:00 AM - 10:00 AM	0.002	<0.001	0.002	0.007	0.006	0.002	0.001
10:00 AM - 11:00 AM	0.002	0.002	0.002	0.006	0.008	0.002	0.004
11:00 AM - 12:00 PM	0.002	0.001	0.001	0.009	0.004	0.003	0.004
12:00 PM - 01:00 PM	0.004	0.002	0.002	0.006	0.003	0.005	0.003
01:00 PM - 02:00 PM	0.007	0.002	0.002	0.007	0.002	0.010	0.003
02:00 PM - 03:00 PM	0.004	0.003	0.002	0.003	0.003	0.010	0.004
03:00 PM - 04:00 PM	0.008	0.003	0.004	0.004	0.007	0.001	0.004
04:00 PM - 05:00 PM	0.007	0.005	0.001	0.004	0.003	0.002	0.004
05:00 PM - 06:00 PM	0.005	0.005	0.002	0.004	0.002	0.003	0.004
06:00 PM - 07:00 PM	0.004	0.002	0.002	0.004	0.001	0.002	0.003
07:00 PM - 08:00 PM	0.003	0.001	0.002	0.011	0.002	0.004	0.004
08:00 PM - 09:00 PM	0.001	0.001	0.002	0.018	0.002	0.004	0.004
09:00 PM - 10:00 PM	0.004	0.002	0.003	0.013	0.016	0.003	0.004
10:00 PM - 11:00 PM	0.003	0.003	0.003	0.009	0.003	0.003	0.005
11:00 PM - 12:00 AM	0.003	0.001	0.004	0.006	0.008	0.084	0.005
12:00 AM - 01:00 AM	0.003	<0.001	0.003	0.008	0.007	0.006	0.004
01:00 AM - 02:00 AM	0.003	0.002	0.002	0.010	0.005	0.003	0.003
02:00 AM - 03:00 AM	0.002	0.005	0.005	0.005	0.005	0.008	0.006
03:00 AM - 04:00 AM	0.004	0.003	0.006	0.003	0.006	0.004	0.007
04:00 AM - 05:00 AM	0.003	0.002	0.005	0.004	0.005	0.002	0.006
05:00 AM - 06:00 AM	0.004	0.002	0.004	0.005	0.003	0.003	0.008
06:00 AM - 07:00 AM	0.005	0.008	0.002	0.004	0.002	0.002	0.002
07:00 AM - 08:00 AM	0.003	0.002	0.003	0.002	0.002	0.004	0.001
08:00 AM - 09:00 AM	<0.001	0.002	0.006	0.007	0.002	0.003	0.002
Average	0.004	0.003	0.003	0.007	0.004	0.007	0.004
1hr - Maximum	0.008	0.008	0.006	0.018	0.016	0.084	0.008
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPAMethod Part 50 App. F (Chemiluminescence)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197  
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1110

**Project Name :** EIA Monitoring

**Project Location :**

**Lot ID: 2359185**

Date Received : Jun 19, 2023

Date Reported : Jun 23, 2023

Report Number: 2694560-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** Ban Krachedlang (Wad Krached)  
**Parameter** Nitrogen dioxide (ppm)  
**Measurement Date** Jun 10, 2023 - Jun 17, 2023  
**Measurement by** Chatchai Sukpia

	2359185-8	2359185-9	2359185-10	2359185-11	2359185-12	2359185-13	2359185-14
Time	Jun 10, 2023	Jun 11, 2023	Jun 12, 2023	Jun 13, 2023	Jun 14, 2023	Jun 15, 2023	Jun 16, 2023
11:00 AM - 12:00 PM	0.002	0.007	0.005	0.007	0.008	0.027	0.053
12:00 PM - 01:00 PM	0.005	0.004	0.004	0.008	0.007	0.019	0.019
01:00 PM - 02:00 PM	0.004	0.004	0.004	0.006	0.005	0.010	0.013
02:00 PM - 03:00 PM	0.004	0.003	0.005	0.018	0.010	0.007	0.024
03:00 PM - 04:00 PM	0.005	0.003	0.005	0.031	0.016	0.012	0.026
04:00 PM - 05:00 PM	0.004	0.003	0.003	0.015	0.013	0.009	0.015
05:00 PM - 06:00 PM	0.004	0.004	0.006	0.012	0.014	0.009	0.007
06:00 PM - 07:00 PM	0.004	0.002	0.006	0.008	0.008	0.011	0.003
07:00 PM - 08:00 PM	0.003	0.001	0.003	0.004	0.004	0.006	0.006
08:00 PM - 09:00 PM	0.003	0.001	0.002	0.004	0.003	0.002	0.004
09:00 PM - 10:00 PM	0.002	0.001	0.002	0.005	0.002	0.004	0.005
10:00 PM - 11:00 PM	0.002	0.001	0.003	0.002	0.001	0.002	0.001
11:00 PM - 12:00 AM	0.001	0.001	0.001	0.002	0.002	0.001	0.001
12:00 AM - 01:00 AM	0.001	0.001	0.001	0.004	0.002	0.001	0.001
01:00 AM - 02:00 AM	0.002	0.001	0.001	0.002	0.003	0.002	0.002
02:00 AM - 03:00 AM	0.002	<0.001	0.001	0.001	0.001	0.001	0.001
03:00 AM - 04:00 AM	0.002	0.002	<0.001	0.001	0.001	0.001	0.002
04:00 AM - 05:00 AM	0.002	<0.001	0.001	0.002	0.002	0.002	0.003
05:00 AM - 06:00 AM	0.004	0.002	0.001	0.003	0.002	0.002	0.002
06:00 AM - 07:00 AM	0.002	0.002	0.003	0.005	0.004	0.004	0.005
07:00 AM - 08:00 AM	0.002	0.010	0.008	0.017	0.010	0.011	0.005
08:00 AM - 09:00 AM	0.006	0.006	0.012	0.013	0.015	0.014	0.010
09:00 AM - 10:00 AM	0.006	0.006	0.010	0.016	0.009	0.013	0.016
10:00 AM - 11:00 AM	0.013	0.004	0.008	0.013	0.015	0.026	0.006
Average	0.004	0.003	0.004	0.008	0.006	0.008	0.010
1hr - Maximum	0.013	0.010	0.012	0.031	0.016	0.027	0.053
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPAMethod Part 50 App. F (Chemiluminescence)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory, ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197  
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1110

**Project Name :** EIA Monitoring

**Project Location :**

**Lot ID: 2359185**

Date Received : Jun 19, 2023

Date Reported : Jun 23, 2023

Report Number: 2659337-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** Ban Nonglaloak (Wad Nongkrabok)  
**Parameter** Nitrogen dioxide (ppm)  
**Measurement Date** Jun 10, 2023 - Jun 17, 2023  
**Measurement by** Chatchai Sukpia

	2359185-15	2359185-16	2359185-17	2359185-18	2359185-19	2359185-20	2359185-21
Time	Jun 10, 2023	Jun 11, 2023	Jun 12, 2023	Jun 13, 2023	Jun 14, 2023	Jun 15, 2023	Jun 16, 2023
10:00 AM - 11:00 AM	0.005	0.004	0.009	0.007	0.004	0.004	0.005
11:00 AM - 12:00 PM	0.003	0.004	0.007	0.004	0.003	0.007	0.012
12:00 PM - 01:00 PM	0.004	0.008	0.008	0.005	0.002	0.007	0.005
01:00 PM - 02:00 PM	0.001	0.006	0.008	0.003	0.002	0.008	0.003
02:00 PM - 03:00 PM	0.002	0.006	0.008	0.002	0.002	0.006	0.003
03:00 PM - 04:00 PM	0.010	0.007	0.008	0.003	0.003	0.005	0.007
04:00 PM - 05:00 PM	0.007	0.007	0.007	0.003	0.002	0.006	0.006
05:00 PM - 06:00 PM	0.007	0.006	0.007	0.003	0.009	0.010	0.008
06:00 PM - 07:00 PM	0.004	0.004	0.007	0.006	0.004	0.010	0.008
07:00 PM - 08:00 PM	0.006	0.004	0.009	0.004	0.006	0.008	0.006
08:00 PM - 09:00 PM	0.013	0.007	0.010	0.003	0.010	0.010	0.009
09:00 PM - 10:00 PM	0.011	0.007	0.011	0.003	0.012	0.004	0.008
10:00 PM - 11:00 PM	0.011	0.012	0.010	0.003	0.005	0.003	0.007
11:00 PM - 12:00 AM	0.007	0.008	0.006	0.002	0.003	0.004	0.006
12:00 AM - 01:00 AM	0.002	0.010	0.005	0.002	0.001	0.002	0.006
01:00 AM - 02:00 AM	0.002	0.007	0.003	0.002	0.002	0.004	0.006
02:00 AM - 03:00 AM	0.004	0.004	0.004	0.003	0.004	0.003	0.005
03:00 AM - 04:00 AM	0.008	0.003	0.002	0.004	0.014	0.003	0.005
04:00 AM - 05:00 AM	0.011	0.005	0.003	0.005	0.014	0.004	0.005
05:00 AM - 06:00 AM	0.012	0.015	0.007	0.009	0.014	0.009	0.010
06:00 AM - 07:00 AM	0.016	0.016	0.018	0.006	0.015	0.014	0.014
07:00 AM - 08:00 AM	0.008	0.018	0.012	0.012	0.012	0.007	0.015
08:00 AM - 09:00 AM	0.004	0.043	0.009	0.008	0.008	0.007	0.011
09:00 AM - 10:00 AM	0.003	0.008	0.004	0.005	0.006	0.008	0.011
Average	0.007	0.009	0.008	0.004	0.007	0.006	0.007
1hr - Maximum	0.016	0.043	0.018	0.012	0.015	0.014	0.015
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

**Standard :** Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

**Reference Method :** US EPA Method Part 50 App. F (Chemiluminescence)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197  
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1110

**Project Name :** EIA Monitoring

**Project Location :**

**Lot ID: 2359186**

Date Received : Jun 19, 2023

Date Reported : Jun 23, 2023

Report Number: 2694561-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** Ban Mabtong  
**Parameter** Sulfur Dioxide (ppm)  
**Measurement Date** Jun 10, 2023 - Jun 17, 2023  
**Measurement by** Chatchai Sukpia

	2359186-1	2359186-2	2359186-3	2359186-4	2359186-5	2359186-6	2359186-7
Time	Jun 10, 2023	Jun 11, 2023	Jun 12, 2023	Jun 13, 2023	Jun 14, 2023	Jun 15, 2023	Jun 16, 2023
09:00 AM - 10:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
10:00 AM - 11:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11:00 AM - 12:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
12:00 PM - 01:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
01:00 PM - 02:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
02:00 PM - 03:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
03:00 PM - 04:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
04:00 PM - 05:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
05:00 PM - 06:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
06:00 PM - 07:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
07:00 PM - 08:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
08:00 PM - 09:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
09:00 PM - 10:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
10:00 PM - 11:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11:00 PM - 12:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
12:00 AM - 01:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
01:00 AM - 02:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
02:00 AM - 03:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
03:00 AM - 04:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
04:00 AM - 05:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
05:00 AM - 06:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
06:00 AM - 07:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
07:00 AM - 08:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
08:00 AM - 09:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Average	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1hr - Maximum	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).

Reference Method : US EPA Method Part 53 and 58

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory, ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197  
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1110

**Project Name :** EIA Monitoring

**Project Location :**

**Lot ID: 2359186**

Date Received : Jun 19, 2023

Date Reported : Jun 23, 2023

Report Number: 2694562-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** Ban Krachedlang (Wad Krached)  
**Parameter** Sulfur Dioxide (ppm)  
**Measurement Date** Jun 10, 2023 - Jun 17, 2023  
**Measurement by** Chatchai Sukpia

	2359186-8	2359186-9	2359186-10	2359186-11	2359186-12	2359186-13	2359186-14
Time	Jun 10, 2023	Jun 11, 2023	Jun 12, 2023	Jun 13, 2023	Jun 14, 2023	Jun 15, 2023	Jun 16, 2023
11:00 AM - 12:00 PM	<0.001	<0.001	<0.001	0.001	0.001	0.002	0.002
12:00 PM - 01:00 PM	<0.001	<0.001	0.001	0.001	0.001	0.002	0.002
01:00 PM - 02:00 PM	<0.001	<0.001	0.001	0.001	0.001	0.002	0.002
02:00 PM - 03:00 PM	<0.001	<0.001	0.001	0.001	0.001	0.002	0.002
03:00 PM - 04:00 PM	<0.001	<0.001	0.001	0.001	0.001	0.002	0.002
04:00 PM - 05:00 PM	<0.001	<0.001	0.001	0.001	0.002	0.002	0.002
05:00 PM - 06:00 PM	<0.001	<0.001	0.001	0.001	0.002	0.002	0.002
06:00 PM - 07:00 PM	<0.001	<0.001	0.001	0.001	0.002	0.002	0.002
07:00 PM - 08:00 PM	<0.001	<0.001	0.001	0.001	0.002	0.002	0.002
08:00 PM - 09:00 PM	<0.001	<0.001	0.001	0.001	0.002	0.002	0.002
09:00 PM - 10:00 PM	<0.001	<0.001	0.001	0.001	0.002	0.002	0.002
10:00 PM - 11:00 PM	<0.001	0.001	0.001	0.001	0.002	0.002	0.002
11:00 PM - 12:00 AM	<0.001	0.001	0.001	0.001	0.001	0.002	0.002
12:00 AM - 01:00 AM	<0.001	<0.001	0.001	0.001	0.001	0.002	0.002
01:00 AM - 02:00 AM	<0.001	0.001	0.001	0.001	0.002	0.002	0.002
02:00 AM - 03:00 AM	<0.001	0.001	0.001	0.001	0.002	0.002	0.002
03:00 AM - 04:00 AM	<0.001	0.001	0.001	0.001	0.002	0.002	0.002
04:00 AM - 05:00 AM	<0.001	0.001	0.001	<0.001	0.002	0.002	0.002
05:00 AM - 06:00 AM	<0.001	0.001	0.001	0.001	0.002	0.002	0.002
06:00 AM - 07:00 AM	<0.001	0.001	0.001	0.001	0.002	0.002	0.002
07:00 AM - 08:00 AM	<0.001	<0.001	0.001	0.001	0.002	0.002	0.002
08:00 AM - 09:00 AM	<0.001	<0.001	0.001	0.001	0.002	0.002	0.002
09:00 AM - 10:00 AM	<0.001	<0.001	0.001	0.001	0.002	0.002	0.002
10:00 AM - 11:00 AM	<0.001	<0.001	0.001	0.001	0.002	0.002	0.002
Average	<0.001	<0.001	0.001	0.001	0.002	0.002	0.002
1hr - Maximum	<0.001	0.001	0.001	0.001	0.002	0.002	0.002
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).

Reference Method : US EPA Method Part 53 and 58

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197  
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1110

**Project Name :** EIA Monitoring

**Project Location :**

**Lot ID: 2359186**

Date Received : Jun 19, 2023

Date Reported : Jun 23, 2023

Report Number: 2676128-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** Ban Nonglaloak (Wad Nongkrabok)  
**Parameter** Sulfur Dioxide (ppm)  
**Measurement Date** Jun 10, 2023 - Jun 17, 2023  
**Measurement by** Chatchai Sukpia

	2359186-15	2359186-16	2359186-17	2359186-18	2359186-19	2359186-20	2359186-21
Time	Jun 10, 2023	Jun 11, 2023	Jun 12, 2023	Jun 13, 2023	Jun 14, 2023	Jun 15, 2023	Jun 16, 2023
10:00 AM - 11:00 AM	0.002	0.003	0.002	0.002	0.002	0.002	0.002
11:00 AM - 12:00 PM	0.002	0.005	0.002	0.002	0.002	0.002	0.002
12:00 PM - 01:00 PM	0.002	0.009	0.002	0.002	0.002	0.002	0.002
01:00 PM - 02:00 PM	0.002	0.005	0.002	0.002	0.002	0.003	0.002
02:00 PM - 03:00 PM	0.003	0.004	0.002	0.002	0.002	0.002	0.002
03:00 PM - 04:00 PM	0.003	0.004	0.002	0.002	0.002	0.002	0.002
04:00 PM - 05:00 PM	0.003	0.006	0.002	0.002	0.002	0.003	0.002
05:00 PM - 06:00 PM	0.002	0.004	0.002	0.002	0.002	0.003	0.002
06:00 PM - 07:00 PM	0.002	0.004	0.003	0.002	0.002	0.003	0.002
07:00 PM - 08:00 PM	0.004	0.004	0.003	0.003	0.002	0.003	0.002
08:00 PM - 09:00 PM	0.002	0.004	0.003	0.003	0.002	0.002	0.002
09:00 PM - 10:00 PM	0.002	0.005	0.003	0.003	0.002	0.002	0.002
10:00 PM - 11:00 PM	0.002	0.006	0.003	0.003	0.002	0.002	0.003
11:00 PM - 12:00 AM	0.002	0.005	0.003	0.003	0.002	0.002	0.003
12:00 AM - 01:00 AM	0.002	0.003	0.003	0.003	0.003	0.002	0.003
01:00 AM - 02:00 AM	0.003	0.003	0.003	0.003	0.003	0.003	0.003
02:00 AM - 03:00 AM	0.003	0.003	0.003	0.003	0.003	0.003	0.003
03:00 AM - 04:00 AM	0.003	0.004	0.003	0.003	0.003	0.003	0.003
04:00 AM - 05:00 AM	0.003	0.002	0.003	0.003	0.003	0.003	0.003
05:00 AM - 06:00 AM	0.003	0.002	0.003	0.002	0.003	0.002	0.002
06:00 AM - 07:00 AM	0.003	0.002	0.002	0.002	0.002	0.002	0.003
07:00 AM - 08:00 AM	0.003	0.002	0.003	0.002	0.002	0.002	0.002
08:00 AM - 09:00 AM	0.003	0.003	0.002	0.002	0.002	0.002	0.002
09:00 AM - 10:00 AM	0.003	0.003	0.002	0.002	0.002	0.002	0.003
Average	0.003	0.004	0.003	0.003	0.003	0.003	0.003
1hr - Maximum	0.004	0.009	0.003	0.003	0.003	0.003	0.003
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

**Standard :** Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).

**Reference Method :** US EPA Method Part 53 and 58

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

**ADDRESS** 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | **PHONE** +66 0 2760 3000 | **FAX** +66 0 2760 3197  
**ALS LABORATORY GROUP (THAILAND) CO., LTD.** An ALS Limited Company

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1110

**Project Name :** EIA Monitoring

**Project Location :**

**Lot ID: 2359189**

Date Received : Jun 19, 2023

Date Reported : Jun 23, 2023

Report Number: 2659368-1

Page 1 of 1

<b>Sample Description</b>	Air Quality				
<b>Location</b>	Ban Mabtong				
<b>Date Analysis Commenced</b>	Jun 20, 2023				
<b>Condition of Sample</b>	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				
Sample Number	Sampled Date	Total Suspended Particulate (mg/m <sup>3</sup> )	Particulate Matter (PM-10) (mg/m <sup>3</sup> )	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2359189-1	Jun 10 - Jun 11, 2023	0.026	0.018	754	30
2359189-2	Jun 11 - Jun 12, 2023	0.018	0.013	754	30
2359189-3	Jun 12 - Jun 13, 2023	0.031	0.013	754	31
2359189-4	Jun 13 - Jun 14, 2023	0.023	0.012	754	31
2359189-5	Jun 14 - Jun 15, 2023	0.021	0.015	754	30
2359189-6	Jun 15 - Jun 16, 2023	0.023	0.017	754	32
2359189-7	Jun 16 - Jun 17, 2023	0.022	0.017	754	32
<b>Guideline</b>		0.33	0.12	-	-

### Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

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

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

**Sampled By :** Chatchai Sukpia

### Remark :

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

Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1110  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2359189**

Date Received : Jun 19, 2023  
Date Reported : Jun 23, 2023  
Report Number: 2659368-2

Page 1 of 1

**Sample Description** Air Quality  
**Location** Ban Krachedlang (Wad Krached)  
**Date Analysis Commenced** Jun 20, 2023  
**Condition of Sample** Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2359189-8	Jun 10 - Jun 11, 2023	0.093	0.038	754	30
2359189-9	Jun 11 - Jun 12, 2023	0.111	0.042	754	30
2359189-10	Jun 12 - Jun 13, 2023	0.126	0.043	754	31
2359189-11	Jun 13 - Jun 14, 2023	0.131	0.050	754	31
2359189-12	Jun 14 - Jun 15, 2023	0.150	0.053	754	30
2359189-13	Jun 15 - Jun 16, 2023	0.270	0.085	754	32
2359189-14	Jun 16 - Jun 17, 2023	0.170	0.057	754	32
<b>Guideline</b>		0.33	0.12	-	-

### Reference Method

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

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

**Sampled By :** Chatchai Sukpia

### Remark :

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

Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1110

**Project Name :** EIA Monitoring

**Project Location :**

**Lot ID: 2359189**

Date Received : Jun 19, 2023

Date Reported : Jun 23, 2023

Report Number: 2659368-3

Page 1 of 1

<b>Sample Description</b>	Air Quality				
<b>Location</b>	Ban Nonglaloak (Wad Nongkrabok)				
<b>Date Analysis Commenced</b>	Jun 20, 2023				
<b>Condition of Sample</b>	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				
Sample Number	Sampled Date	Total Suspended Particulate (mg/m <sup>3</sup> )	Particulate Matter (PM-10) (mg/m <sup>3</sup> )	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2359189-15	Jun 10 - Jun 11, 2023	0.032	0.019	754	30
2359189-16	Jun 11 - Jun 12, 2023	0.024	0.012	754	30
2359189-17	Jun 12 - Jun 13, 2023	0.023	0.011	754	31
2359189-18	Jun 13 - Jun 14, 2023	0.024	0.013	754	31
2359189-19	Jun 14 - Jun 15, 2023	0.026	0.015	754	30
2359189-20	Jun 15 - Jun 16, 2023	0.023	0.011	754	32
2359189-21	Jun 16 - Jun 17, 2023	0.023	0.013	754	32
<b>Guideline</b>		0.33	0.12	-	-

### Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

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

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

**Sampled By :** Chatchai Sukpia

### Remark :

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

Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



ความเร็วและทิศทางการ

---





## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID : 2359137**  
Date Received : Jun 19, 2023  
Date Reported : Jun 27, 2023  
Report Number : 2659274-1

Page 1 of 2

**Sample Number** 2359137-1 to 7  
**Parameter** Wind Speed / Wind Direction  
**Location** Ban Mabtong  
**Sampling Date** Jun 10 - Jun 17, 2023  
**Sampling by** Chatchai Sukpia

Time	Jun 10 - Jun 11, 2023			Jun 11 - Jun 12, 2023			Jun 12 - Jun 13, 2023			Jun 13 - Jun 14, 2023			Jun 14 - Jun 15, 2023			Jun 15 - Jun 16, 2023			Jun 16 - Jun 17, 2023		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
09:00 AM - 10:00 AM	1.2	7.0	N	0.0	-	-	1.1	254.0	WSW	1.5	295.0	WNW	1.2	211.0	SSW	1.4	9.0	N	2.2	302.0	WNW
10:00 AM - 11:00 AM	0.7	218.0	SW	1.5	329.0	NNW	1.7	317.0	NW	0.5	307.0	NW	2.3	336.0	NNW	0.0	-	-	0.8	201.0	SSW
11:00 AM - 12:00 PM	2.5	352.0	N	0.6	57.0	ENE	1.6	331.0	NNW	1.1	137.0	SE	0.3	292.0	WNW	0.8	272.0	W	1.0	254.0	WSW
12:00 PM - 01:00 PM	1.4	5.0	N	1.9	330.0	NNW	3.6	356.0	N	1.0	309.0	NW	1.3	263.0	W	1.2	275.0	W	0.8	224.0	SW
01:00 PM - 02:00 PM	0.0	-	-	3.8	327.0	NNW	0.6	359.0	N	1.1	346.0	NNW	0.4	184.0	S	1.0	306.0	NW	1.6	309.0	NW
02:00 PM - 03:00 PM	1.0	323.0	NW	1.1	265.0	W	0.8	222.0	SW	1.3	314.0	NW	0.2	-	-	0.6	286.0	WNW	0.5	298.0	WNW
03:00 PM - 04:00 PM	0.1	-	-	1.9	259.0	W	0.8	299.0	WNW	1.0	297.0	WNW	0.4	229.0	SW	0.2	-	-	1.6	300.0	WNW
04:00 PM - 05:00 PM	0.4	239.0	WSW	0.5	230.0	SW	0.6	294.0	WNW	0.2	-	-	0.1	-	-	0.8	232.0	SW	1.4	325.0	NW
05:00 PM - 06:00 PM	0.0	-	-	0.7	281.0	W	0.5	336.0	NNW	1.3	66.0	ENE	0.2	-	-	0.4	266.0	W	0.8	298.0	WNW
06:00 PM - 07:00 PM	0.0	-	-	0.4	189.0	S	1.6	242.0	WSW	0.8	295.0	WNW	0.4	222.0	SW	0.0	-	-	1.7	268.0	W
07:00 PM - 08:00 PM	0.0	-	-	0.0	-	-	0.1	-	-	0.0	-	-	1.9	312.0	NW	0.6	303.0	WNW	0.8	282.0	WNW
08:00 PM - 09:00 PM	0.0	-	-	0.5	281.0	W	0.4	296.0	WNW	0.0	-	-	0.0	-	-	0.9	309.0	NW	1.2	322.0	NW
09:00 PM - 10:00 PM	0.0	-	-	0.4	260.0	W	0.5	340.0	NNW	0.4	241.0	WSW	1.4	337.0	NNW	1.6	338.0	NNW	1.6	307.0	NW
10:00 PM - 11:00 PM	0.0	-	-	0.0	-	-	0.6	211.0	SSW	1.7	287.0	WNW	0.3	320.0	NW	1.6	205.0	SSW	0.8	307.0	NW
11:00 PM - 12:00 AM	0.0	-	-	0.8	30.0	NNE	0.1	-	-	1.3	316.0	NW	0.0	-	-	1.4	200.0	SSW	1.4	200.0	SSW
12:00 AM - 01:00 AM	0.0	-	-	0.1	-	-	0.5	242.0	WSW	0.4	313.0	NW	0.0	-	-	2.2	306.0	NW	0.8	312.0	NW
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	1.4	319.0	NW	0.0	-	-	0.0	-	-	0.6	283.0	WNW	1.4	305.0	NW
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	1.0	303.0	WNW	0.6	243.0	WSW	0.0	-	-	1.6	254.0	WSW	1.2	320.0	NW
03:00 AM - 04:00 AM	1.1	233.0	SW	0.0	-	-	1.4	316.0	NW	0.0	-	-	0.0	-	-	0.5	160.0	SSE	0.8	289.0	WNW
04:00 AM - 05:00 AM	0.0	-	-	0.0	-	-	1.1	352.0	N	0.4	272.0	W	0.0	-	-	0.8	268.0	W	0.6	188.0	S
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	1.8	308.0	NW	0.3	308.0	NW	0.6	316.0	NW	0.4	209.0	SSW	1.0	88.0	E
06:00 AM - 07:00 AM	0.3	261.0	W	0.5	331.0	NNW	2.7	280.0	W	0.8	306.0	NW	0.5	220.0	SW	0.0	-	-	0.6	298.0	WNW
07:00 AM - 08:00 AM	0.5	305.0	NW	2.1	270.0	W	0.5	272.0	W	1.9	354.0	N	1.1	306.0	NW	0.6	208.0	SSW	0.2	-	-
08:00 AM - 09:00 AM	0.7	249.0	WSW	1.8	252.0	WSW	2.1	310.0	NW	1.6	171.0	S	1.5	35.0	NE	0.4	223.0	SW	0.4	199.0	SSW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuth Jitranont  
Assistant General Manager





## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

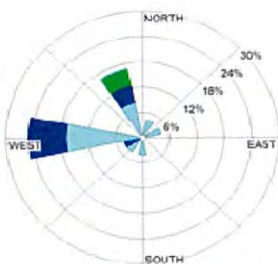
**Lot ID :** 2359137  
**Date Received :** Jun 19, 2023  
**Date Reported :** Jun 27, 2023  
**Report Number :** 2659274-1

Page 2 of 2

### Wind Rose



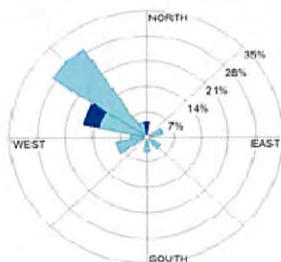
**Date : Jun 10-11, 2023**



**Date : Jun 11-12, 2023**



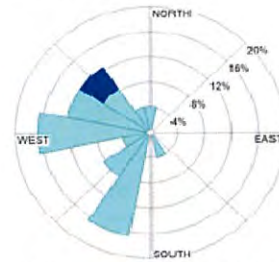
**Date : Jun 12-13, 2023**



**Date : Jun 13-14, 2023**



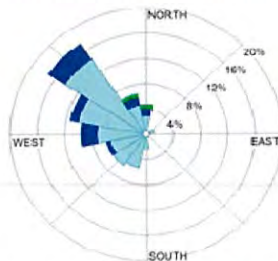
**Date : Jun 14-15, 2023**



**Date : Jun 15-16, 2023**



**Date : Jun 16-17, 2023**



**Date : Jun 10-17, 2023**

	WS(m/s)	%
	≥ 10.0	0.00
	8.0-10.0	0.00
	5.5-8.0	0.00
	3.3-5.5	1.19
	1.7-3.3	9.52
	0.3-1.7	62.50
	Calms	26.79

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client** : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O** : 2023-1110  
**Project Name** : EIA Monitoring  
**Project Location** :

**Lot ID** : 2359188  
Date Received : Jun 19, 2023  
Date Reported : Jun 27, 2023  
Report Number : 2659357-1

Page 1 of 2

**Sample Number** : 2359188-1 to 7  
**Parameter** : Wind Speed / Wind Direction  
**Location** : Ban Krachedlang (Wad Krached)  
**Sampling Date** : Jun 10 - Jun 17, 2023  
**Sampling by** : Chatchai Sukpia

Time	Jun 10 - Jun 11, 2023			Jun 11 - Jun 12, 2023			Jun 12 - Jun 13, 2023			Jun 13 - Jun 14, 2023			Jun 14 - Jun 15, 2023			Jun 15 - Jun 16, 2023			Jun 16 - Jun 17, 2023		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
11:00 AM - 12:00 PM	2.8	115.0	ESE	1.6	101.0	E	0.5	131.0	SE	0.4	114.0	ESE	0.0	-	-	2.7	119.0	ESE	2.4	162.0	SSE
12:00 PM - 01:00 PM	1.4	104.0	ESE	0.9	103.0	ESE	0.6	105.0	ESE	1.6	94.0	E	1.9	138.0	SE	1.4	88.0	E	0.8	134.0	SE
01:00 PM - 02:00 PM	1.6	86.0	E	1.4	89.0	E	0.2	-	-	1.4	140.0	SE	0.5	124.0	SE	1.2	93.0	E	2.3	120.0	ESE
02:00 PM - 03:00 PM	2.3	131.0	SE	1.3	114.0	ESE	0.6	105.0	ESE	0.4	94.0	E	2.0	120.0	ESE	2.2	127.0	SE	0.0	-	-
03:00 PM - 04:00 PM	3.0	93.0	E	0.7	93.0	E	0.6	111.0	ESE	1.2	133.0	SE	1.4	144.0	SE	1.6	153.0	SSE	0.0	-	-
04:00 PM - 05:00 PM	1.9	90.0	E	1.3	143.0	SE	0.4	108.0	ESE	0.5	132.0	SE	1.2	150.0	SSE	2.2	128.0	SE	2.2	127.0	SE
05:00 PM - 06:00 PM	1.2	130.0	SE	1.7	134.0	SE	2.9	131.0	SE	0.2	-	-	1.5	138.0	SE	1.5	132.0	SE	1.7	137.0	SE
06:00 PM - 07:00 PM	1.9	120.0	ESE	1.3	132.0	SE	1.8	127.0	SE	1.5	105.0	ESE	1.3	129.0	SE	1.0	128.0	SE	1.1	139.0	SE
07:00 PM - 08:00 PM	2.6	140.0	SE	2.4	123.0	ESE	1.4	104.0	ESE	2.2	97.0	E	0.9	131.0	SE	0.1	-	-	1.7	149.0	SSE
08:00 PM - 09:00 PM	0.8	87.0	E	1.2	122.0	ESE	2.1	151.0	SSE	1.0	113.0	ESE	1.0	137.0	SE	0.0	-	-	1.0	142.0	SE
09:00 PM - 10:00 PM	0.9	85.0	E	2.9	127.0	SE	0.3	131.0	SE	0.2	-	-	1.6	125.0	SE	0.0	-	-	0.5	144.0	SE
10:00 PM - 11:00 PM	0.7	137.0	SE	0.9	120.0	ESE	1.5	120.0	ESE	0.6	113.0	ESE	0.9	91.0	E	0.0	-	-	0.0	-	-
11:00 PM - 12:00 AM	0.0	-	-	1.6	97.0	E	1.2	128.0	SE	0.0	-	-	2.0	111.0	ESE	0.0	-	-	0.0	-	-
12:00 AM - 01:00 AM	0.2	-	-	2.0	93.0	E	2.2	137.0	SE	0.6	111.0	ESE	1.3	103.0	ESE	1.8	113.0	ESE	0.0	-	-
01:00 AM - 02:00 AM	0.0	-	-	2.4	94.0	E	1.8	126.0	SE	0.0	-	-	2.5	97.0	E	1.5	114.0	ESE	0.6	58.0	ENE
02:00 AM - 03:00 AM	0.4	140.0	SE	2.2	107.0	ESE	0.4	124.0	SE	0.5	126.0	SE	1.0	89.0	E	1.5	96.0	E	0.9	84.0	E
03:00 AM - 04:00 AM	0.3	140.0	SE	2.2	98.0	E	1.5	113.0	ESE	2.2	130.0	SE	1.9	111.0	ESE	0.0	-	-	0.7	84.0	E
04:00 AM - 05:00 AM	0.3	138.0	SE	0.0	-	-	0.5	114.0	ESE	1.6	101.0	E	0.7	122.0	ESE	1.5	103.0	ESE	0.0	-	-
05:00 AM - 06:00 AM	0.4	136.0	SE	0.5	123.0	ESE	0.2	-	-	1.0	110.0	ESE	0.0	-	-	1.9	115.0	ESE	0.0	-	-
06:00 AM - 07:00 AM	0.8	96.0	E	0.9	110.0	ESE	0.3	96.0	E	2.9	105.0	ESE	1.1	85.0	E	0.5	96.0	E	0.0	-	-
07:00 AM - 08:00 AM	2.3	141.0	SE	0.4	106.0	ESE	0.6	89.0	E	1.5	83.0	E	1.3	142.0	SE	0.0	-	-	0.8	86.0	E
08:00 AM - 09:00 AM	2.1	128.0	SE	0.3	110.0	ESE	0.3	111.0	ESE	0.0	-	-	2.6	130.0	SE	1.2	116.0	ESE	1.2	88.0	E
09:00 AM - 10:00 AM	2.5	91.0	E	0.8	96.0	E	0.4	90.0	E	0.2	-	-	0.6	145.0	SE	0.0	-	-	2.0	92.0	E
10:00 AM - 11:00 AM	1.3	99.0	E	0.4	146.0	SE	0.0	-	-	0.7	120.0	ESE	2.9	95.0	E	2.6	140.0	SE	0.6	90.0	E

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuth Jitranont  
Assistant General Manager





## Analysis / Test Report

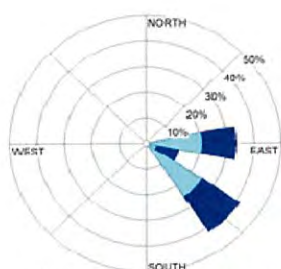
**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1110  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID :** 2359188

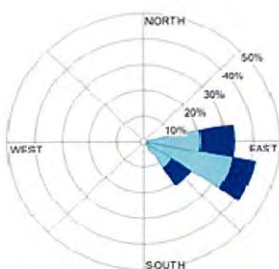
Date Received : Jun 19, 2023  
Date Reported : Jun 27, 2023  
Report Number : 2659357-1

Page 2 of 2

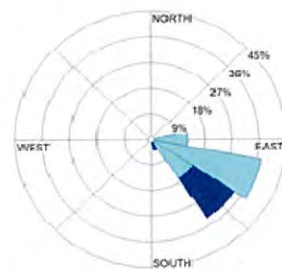
### Wind Rose



Date : Jun 10-11, 2023



Date : Jun 11-12, 2023



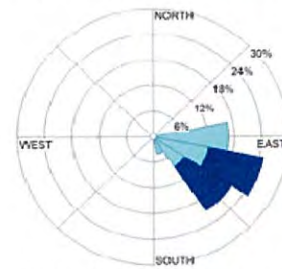
Date : Jun 12-13, 2023



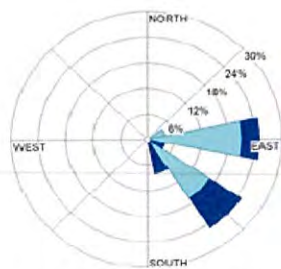
Date : Jun 13-14, 2023



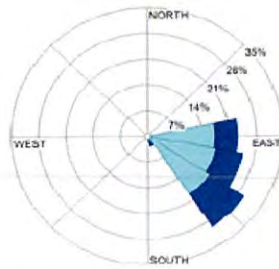
Date : Jun 14-15, 2023



Date : Jun 15-16, 2023



Date : Jun 16-17, 2023



Date : Jun 10-17, 2023

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	25.60
0.3-1.7	55.95
Calms	18.45

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O** : 2023-1047  
**Project Name** : EIA Monitoring  
**Project Location** :

**Lot ID** : 2359137

Date Received : Jun 19, 2023  
Date Reported : Jun 27, 2023  
Report Number : 2659274-1

Page 1 of 2

**Sample Number** : 2359137-8 to 14  
**Parameter** : Wind Speed / Wind Direction  
**Location** : Ban Nonglaloak (Wad Nongkrabok)  
**Sampling Date** : Jun 10 - Jun 17, 2023  
**Sampling by** : Chatchai Sukpia

Time	Jun 10 - Jun 11, 2023		Jun 11 - Jun 12, 2023		Jun 12 - Jun 13, 2023		Jun 13 - Jun 14, 2023		Jun 14 - Jun 15, 2023		Jun 15 - Jun 16, 2023		Jun 16 - Jun 17, 2023	
	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)
10:00 AM - 11:00 AM	2.3	243.0	WSW	0.8	244.0	WSW	3.6	284.0	WNW	2.5	230.0	SW	1.9	244.0
11:00 AM - 12:00 PM	2.6	228.0	SW	1.6	222.0	SW	3.8	238.0	WSW	3.1	216.0	SW	1.1	323.0
12:00 PM - 01:00 PM	3.0	260.0	W	0.8	245.0	WSW	2.1	216.0	SW	2.2	225.0	SW	1.0	248.0
01:00 PM - 02:00 PM	0.8	243.0	WSW	1.2	227.0	SW	2.9	249.0	WSW	2.8	243.0	WSW	2.2	246.0
02:00 PM - 03:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	2.8	242.0	WSW	0.8	252.0
03:00 PM - 04:00 PM	0.0	-	-	0.4	247.0	WSW	0.6	272.0	W	2.6	246.0	WSW	1.6	231.0
04:00 PM - 05:00 PM	0.8	272.0	W	0.3	249.0	WSW	1.2	255.0	WSW	0.0	-	-	0.8	248.0
05:00 PM - 06:00 PM	0.4	253.0	WSW	0.0	-	-	0.0	-	-	1.0	245.0	WSW	1.4	240.0
06:00 PM - 07:00 PM	0.5	248.0	WSW	0.8	281.0	W	0.8	238.0	WSW	1.8	238.0	WSW	0.0	-
07:00 PM - 08:00 PM	0.0	-	-	1.6	247.0	WSW	2.0	233.0	SW	0.6	256.0	WSW	0.9	241.0
08:00 PM - 09:00 PM	1.2	246.0	WSW	2.0	245.0	WSW	0.6	233.0	SW	2.0	253.0	WSW	1.2	240.0
09:00 PM - 10:00 PM	0.4	243.0	WSW	0.4	241.0	WSW	1.0	258.0	WSW	0.8	241.0	WSW	0.0	-
10:00 PM - 11:00 PM	0.8	242.0	WSW	0.0	-	-	0.3	233.0	SW	0.4	262.0	W	0.6	266.0
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-
12:00 AM - 01:00 AM	0.2	-	-	0.8	265.0	W	0.0	-	-	0.0	-	-	0.0	-
01:00 AM - 02:00 AM	0.4	241.0	WSW	0.6	261.0	W	0.4	228.0	SW	0.5	272.0	W	0.0	-
02:00 AM - 03:00 AM	0.0	-	-	2.0	254.0	WSW	0.0	-	-	0.4	247.0	WSW	0.0	-
03:00 AM - 04:00 AM	0.0	-	-	1.4	255.0	WSW	0.0	-	-	0.4	253.0	WSW	0.0	-
04:00 AM - 05:00 AM	0.8	259.0	W	1.2	252.0	WSW	0.8	246.0	WSW	1.4	243.0	WSW	0.4	228.0
05:00 AM - 06:00 AM	1.2	260.0	W	0.0	-	-	1.6	226.0	SW	2.0	256.0	WSW	0.3	229.0
06:00 AM - 07:00 AM	2.2	231.0	SW	0.6	252.0	WSW	0.4	245.0	WSW	0.8	239.0	WSW	0.8	243.0
07:00 AM - 08:00 AM	1.0	248.0	WSW	0.0	-	-	0.3	252.0	WSW	0.3	277.0	W	1.6	253.0
08:00 AM - 09:00 AM	1.5	240.0	WSW	0.4	240.0	WSW	0.8	209.0	SSW	0.0	-	-	2.2	232.0
09:00 AM - 10:00 AM	0.7	238.0	WSW	2.4	231.0	SW	1.2	221.0	SW	2.0	262.0	W	3.0	246.0

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuth Jitranont  
Assistant General Manager





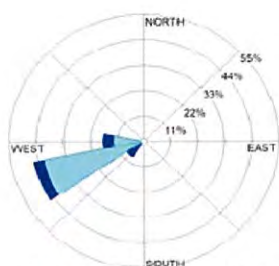
## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

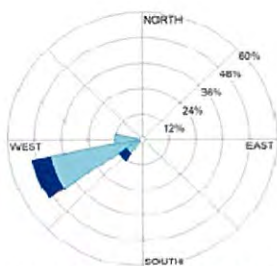
**Lot ID :** 2359137  
**Date Received :** Jun 19, 2023  
**Date Reported :** Jun 27, 2023  
**Report Number :** 2659274-1

Page 2 of 2

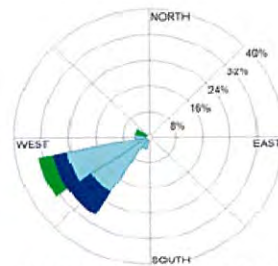
### Wind Rose



Date : Jun 10-11, 2023



Date : Jun 11-12, 2023



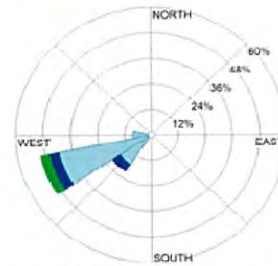
Date : Jun 12-13, 2023



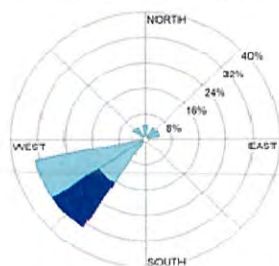
Date : Jun 13-14, 2023



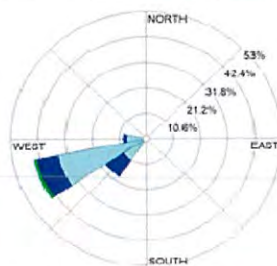
Date : Jun 14-15, 2023



Date : Jun 15-16, 2023



Date : Jun 16-17, 2023



Date : Jun 17-18, 2023

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	1.79
1.7-3.3	17.86
0.3-1.7	57.14
Calms	23.21

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sarayuth Jitranont  
Assistant General Manager

คุณภาพน้ำทิ้ง

---





## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 235668**

Date Received : Jan 19, 2023  
Date Reported : Jan 27, 2023  
Report Number : 2552899-1

Page 1 of 1

<b>Sample Number</b>	235668-1
<b>Sampled Date</b>	Jan 19, 2023 10:05 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Normal Pond (Sump)
<b>Date Analysis Commenced</b>	Jan 19, 2023
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	88	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.9	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	24.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	58	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-8592

**Remark :**

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

Technical Management

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-จ-9442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 236079**

Date Received : Feb 15, 2023  
Date Reported : Feb 22, 2023  
Report Number : 2575465-1

Page 1 of 1

<b>Sample Number</b>	236079-1
<b>Sampled Date</b>	Feb 15, 2023 2:00 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Normal Pond (Sump)
<b>Date Analysis Commenced</b>	Feb 15, 2023
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
BOD (5 days at 20 Degree C)	mg/L	-	2.0	7.8	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	44	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.8	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	26.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	344	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	130	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Sampling By :** Pathompong Kornasawat ทะเบียนเลขที่ ๖-๓๒๓-๖-๙๔๖๘ , Samart Khumphlee ทะเบียนเลขที่ ๖-๒๐๔-๖-๗๘๓๐

**Remark :**

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

Technical Management

*N. Banchongkit*

Narumon Banchongkit  
Supervisor  
ทะเบียนเลขที่ ๖-๓๒๓-๖-๙๔๔๕

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ๖-๓๒๓-๖-๙๔๔๒

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2323723**

Date Received : Mar 23, 2023  
Date Reported : Mar 30, 2023  
Report Number : 2609167-1

Page 1 of 1

<b>Sample Number</b>	2323723-1
<b>Sampled Date</b>	Mar 23, 2023 9:45 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Normal Pond (Sump)
<b>Date Analysis Commenced</b>	Mar 23, 2023
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	<25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	<3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	31.9	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1230	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	55	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**Remark :**

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

Technical Management

*N. Banongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2339768**

Date Received : Apr 20, 2023  
Date Reported : Apr 27, 2023  
Report Number : 2634884-1

Page 1 of 1

<b>Sample Number</b>	2339768-1
<b>Sampled Date</b>	Apr 20, 2023 9:30 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Normal Pond (Sump)
<b>Date Analysis Commenced</b>	Apr 20, 2023
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	<25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	<3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	8.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	31.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	428	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Sampling By :** Narunat thammassaro ทะเบียนเลขที่ ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

**Remark :**

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

**Technical Management**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor  
ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ว-323-ค-9442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2353938**

Date Received : May 18, 2023  
Date Reported : May 26, 2023  
Report Number : 2662646-1

Page 1 of 1

<b>Sample Number</b>	2353938-1
<b>Sampled Date</b>	May 18, 2023 9:45 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Normal Pond (Sump)
<b>Date Analysis Commenced</b>	May 18, 2023
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
BOD (5 days at 20 Degree C)	mg/L	-	2.0	2.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	150	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	4.4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	31.8	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	800	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	464	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Sampling By :** Narunat thammassaro ทะเบียนเลขที่ ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที่ ว-204-จ-8600

**Remark :**

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

Technical Management

*N. Banchookit*

Narumon Banchookit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2367056**

Date Received : Jun 26, 2023  
Date Reported : Jul 01, 2023  
Report Number : 2704013-1

Page 1 of 1

<b>Sample Number</b>	2367056-1
<b>Sampled Date</b>	Jun 26, 2023 9:23 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Normal Pond (Sump)
<b>Date Analysis Commenced</b>	Jun 26, 2023
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	78	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	1.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	31.8	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	5020	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	55	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Sampling By :** Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ว-204-จ-0001

**Remark :**

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

Technical Management

*N. Banchongkit*

Narumon Banchongkit  
Supervisor  
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ว-323-ค-9442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

TESTING

No.0042

**Lot ID: 235668**

Date Received : Jan 19, 2023

Date Reported : Jan 27, 2023

Report Number : 2552900-1

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

Page 1 of 2

<b>Sample Number</b>	235668-2						
<b>Sampled Date</b>	Jan 19, 2023 9:50 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Final Pond (Holding Pond)						
<b>Date Analysis Commenced</b>	Jan 19, 2023						
<b>Condition of Sample</b>	Contained in one BOD bottle, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	16.6	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	87	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	4	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	26.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1810	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	33	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Thanasoun Namakunna ทะเบียนเลขที่ ว-204-จ-8592

Remark :

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

Technical Management

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

TESTING  
No.0042

**Lot ID: 235668**

Date Received : Jan 19, 2023

Date Reported : Jan 27, 2023

Report Number : 2552900-1

**Client :** General Electric International Operations Company Inc.

55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1047

**Project Name :** EIA Monitoring

**Project Location :**

Page 2 of 2

- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ๖-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ๖-323-ค-9442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

TESTING

No.0009

Lot ID: 235668

Date Received : Jan 19, 2023

Date Reported : Jan 26, 2023

Report Number : 2552900-2

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

P/O : 2023-1047

Project Name : EIA Monitoring

Project Location :

Page 1 of 1

Sample Number	235668-2
Sampled Date	Jan 19, 2023 9:50 AM
Sample Description	Wastewater
Location	Final Pond (Holding Pond)
Date Analysis Commenced	Jan 19, 2023
Condition of Sample	Contained in one BOD bottle, one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Calcium	mg/L	0.03	0.05	66.0	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mg/L	0.03	0.05	12.7	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	0.10	16.7	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	566	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
<b>Water Testing</b>							
Dissolved Oxygen *	mg/L	-	0.1	4.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/h	-	-	112	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.10	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

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

### Sampling By :

Remark :

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

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197  
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

6872-21/ EMAIL

S:\Reports\AIL\_GL.rpt ( 7:28PM)



## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 236079**  
Date Received : Feb 15, 2023  
Date Reported : Feb 22, 2023  
Report Number : 2575466-1

Page 1 of 2

**Sample Number** 236079-2  
**Sampled Date** Feb 15, 2023 1:50 PM  
**Sample Description** Wastewater  
**Location** Final Pond (Holding Pond)  
**Date Analysis Commenced** Feb 15, 2023  
**Condition of Sample** Contained in one amber glass bottle, one BOD bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	3.5	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	36	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	27.9	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1230	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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

**Sampling By :** Pathompong Kornasawat ทะเบียนเลขที่ ๖-323-๖-๙468 , Samart Khumphlee ทะเบียนเลขที่ ๖-204-๖-7830

**Remark :**

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

**Technical Management**

*N. Banongkit*

Narumon Banchongkit  
Supervisor  
ทะเบียนเลขที่ ๖-323-๖-๙445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ๖-323-๖-๙442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

**Client** : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O** : 2023-1047  
**Project Name** : EIA Monitoring  
**Project Location** :

**TESTING**  
**No.0042**  
**Lot ID: 236079**  
Date Received : Feb 15, 2023  
Date Reported : Feb 22, 2023  
Report Number : 2575466-1

Page 2 of 2

- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*N. Banchongkit*

Narumon Banchongkit  
Supervisor  
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ว-323-ค-9442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

TESTING

No.0009

Lot ID: 236079

Date Received : Feb 15, 2023

Date Reported : Feb 22, 2023

Report Number : 2575466-2

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

P/O : 2023-1047

Project Name : EIA Monitoring

Project Location :

Page 1 of 1

Sample Number	236079-2						
Sampled Date	Feb 15, 2023 1:50 PM						
Sample Description	Wastewater						
Location	Final Pond (Holding Pond)						
Date Analysis Commenced	Feb 15, 2023						
Condition of Sample	Contained in one amber glass bottle, one BOD bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mg/L	0.03	0.05	47.9	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mg/L	0.03	0.05	9.34	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	0.10	10.6	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	308	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Dissolved Oxygen *	mg/L	-	0.1	6.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.030	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.42	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

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

**Sampling By** : Pathompong Kornasawat , Samart Khumphlee

Remark :

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

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Savitree N.*

Savitree Noisangiam  
Manager

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197  
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

6872-21/ EMAIL

S:\Reports\_All\_GL.rpt ( 2:04PM)





## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2323723**  
Date Received : Mar 23, 2023  
Date Reported : Mar 30, 2023  
Report Number : 2609168-1

Page 1 of 2

**Sample Number** 2323723-2  
**Sampled Date** Mar 23, 2023 9:40 AM  
**Sample Description** Wastewater  
**Location** Final Pond (Holding Pond)  
**Date Analysis Commenced** Mar 23, 2023  
**Condition of Sample** Contained in one BOD bottle, one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	35	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	33.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1360	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	20	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**Remark :**

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

**Technical Management**

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2323723**

Date Received : Mar 23, 2023

Date Reported : Mar 30, 2023

Report Number : 2609168-1

**Client :** General Electric International Operations Company Inc.

55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1047

**Project Name :** EIA Monitoring

**Project Location :**

Page 2 of 2

- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1047

**Project Name :** EIA Monitoring

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 2323723**

**Date Received :** Mar 23, 2023

**Date Reported :** Mar 30, 2023

**Report Number :** 2609168-2

Page 1 of 1

<b>Sample Number</b>	2323723-2						
<b>Sampled Date</b>	Mar 23, 2023 9:40 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Final Pond (Holding Pond)						
<b>Date Analysis Commenced</b>	Mar 23, 2023						
<b>Condition of Sample</b>	Contained in one BOD bottle, one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Calcium	mg/L	0.03	0.05	73.1	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mg/L	0.03	0.05	15.7	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	0.10	9.06	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	327	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
<b>Water Testing</b>							
Dissolved Oxygen *	mg/L	-	0.1	7.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/hr	-	-	110	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.72	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

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

**Sampling By :** Tanasit Wongsachai , Samart Khumphlee

**Remark :**

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

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197  
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2339768**

Date Received : Apr 20, 2023

Date Reported : Apr 27, 2023

Report Number : 2634885-1

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1047

**Project Name :** EIA Monitoring

**Project Location :**

Page 1 of 2

<b>Sample Number</b>	2339768-2
<b>Sampled Date</b>	Apr 20, 2023 9:25 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Final Pond (Holding Pond)
<b>Date Analysis Commenced</b>	Apr 20, 2023
<b>Condition of Sample</b>	Contained in one amber glass bottle, one BOD bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	27	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	8.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	32.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	892	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	21	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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

**Sampling By :** Narunat thammassaro ทะเบียนเลขที่ ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

**Remark :**

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

**Technical Management**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor  
ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ว-323-ค-9442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2339768**  
Date Received : Apr 20, 2023  
Date Reported : Apr 27, 2023  
Report Number : 2634885-1

Page 2 of 2

- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2339768**

Date Received : Apr 20, 2023

Date Reported : Apr 27, 2023

Report Number : 2634885-2

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1047

**Project Name :** EIA Monitoring

**Project Location :**

Page 1 of 1

**Sample Number** 2339768-2  
**Sampled Date** Apr 20, 2023 9:25 AM  
**Sample Description** Wastewater  
**Location** Final Pond (Holding Pond)  
**Date Analysis Commenced** Apr 20, 2023  
**Condition of Sample** Contained in one amber glass bottle, one BOD bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Calcium	mg/L	0.03	0.05	32.3	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mg/L	0.03	0.05	4.95	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	0.10	13.9	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	320	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
<b>Water Testing</b>							
Dissolved Oxygen *	mg/L	-	0.1	9.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	104	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.61	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

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

**Sampling By :** Narunat thammassaro , Pattarapol Sawangjaitam

**Remark :**

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

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Chanatt L.*

Chanattagarn Imchom  
Supervisor

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197  
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

6872-21/ EMAIL

S:\Reports\_All\_GL.rpt ( 7:54PM)





## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2353938**

Date Received : May 18, 2023

Date Reported : May 26, 2023

Report Number : 2662647-1

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1047

**Project Name :** EIA Monitoring

**Project Location :**

Page 1 of 2

<b>Sample Number</b>	2353938-2
<b>Sampled Date</b>	May 18, 2023 9:35 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Final Pond (Holding Pond)
<b>Date Analysis Commenced</b>	May 18, 2023
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Rayong
COD	mg/L	1.5	25	37	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	35.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1690	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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

**Sampling By :** Narunat thammassaro ทะเบียนเลขที่ ๖-323-๖-9477 , Panupong Mani ทะเบียนเลขที่ ๖-204-๖-8600

**Remark :**

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

**Technical Management**

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ๖-323-๖-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ๖-323-๖-9442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2353938**

Date Received : May 18, 2023

Date Reported : May 26, 2023

Report Number : 2662647-1

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1047

**Project Name :** EIA Monitoring

**Project Location :**

Page 2 of 2

- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*N. Banongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1047

**Project Name :** EIA Monitoring

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 2353938**

Date Received : May 18, 2023

Date Reported : May 26, 2023

Report Number : 2662647-2

Page 1 of 1

<b>Sample Number</b>	2353938-2
<b>Sampled Date</b>	May 18, 2023 9:35 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Final Pond (Holding Pond)
<b>Date Analysis Commenced</b>	May 18, 2023
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Calcium	mg/L	0.03	0.05	106	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mg/L	0.03	0.05	18.2	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	0.10	10.7	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	455	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
<b>Water Testing</b>							
Dissolved Oxygen *	mg/L	-	0.1	7.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/hr	-	-	0.000	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.80	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

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

**Sampling By :** Narunat thammasaro , Panupong Manit

Remark :

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

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197  
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER

6872-21/ EMAIL

S:\Reports\\_All\_GL.rpt ( 3:54PM)



## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1047

**Project Name :** EIA Monitoring

**Project Location :**

**Lot ID: 2367056**

Date Received : Jun 26, 2023

Date Reported : Jul 01, 2023

Report Number : 2704014-1

Page 1 of 2

<b>Sample Number</b>	2367056-2						
<b>Sampled Date</b>	Jun 26, 2023 9:28 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Final Pond (Holding Pond)						
<b>Date Analysis Commenced</b>	Jun 26, 2023						
<b>Condition of Sample</b>	Contained in one amber glass bottle, one BOD bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	40	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	34.5	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	2060	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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

**Sampling By :** Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ว-204-จ-0001

Remark :

- LOD : Limit of Detection

Technical Management

*N. Banchongkit*

Narumon Banchongkit  
Supervisor  
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ว-323-จ-9442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2367056**  
Date Received : Jun 26, 2023  
Date Reported : Jul 01, 2023  
Report Number : 2704014-1

Page 2 of 2

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

Technical Management

*N. Banchongkit*

Narumon Banchongkit  
Supervisor  
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ว-323-ค-9442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

TESTING

No.0009

Lot ID: 2367056

Date Received : Jun 26, 2023

Date Reported : Jul 03, 2023

Report Number : 2704014-2

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

P/O : 2023-1047

Project Name : EIA Monitoring

Project Location :

Page 1 of 1

Sample Number 2367056-2  
Sampled Date Jun 26, 2023 9:28 AM  
Sample Description Wastewater  
Location Final Pond (Holding Pond)  
Date Analysis Commenced Jun 26, 2023  
Condition of Sample Contained in one amber glass bottle, one BOD bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Calcium	mg/L	0.03	0.05	122	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mg/L	0.03	0.05	20.2	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	0.10	10.6	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	480	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
<b>Water Testing</b>							
Dissolved Oxygen *	mg/L	-	0.1	7.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.61	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

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

**Sampling By :** Narunat thammassaro , Kardbundit Kitisupavanit

Remark :

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

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197  
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

6872-21/ EMAIL

S:\Reports\_All\_GL.rpt ( 6:09PM)



ผลการตรวจสอบคุณภาพน้ำแบบสุ่มโดยโครงการ  
(ค่าการนำไฟฟ้า (Conductivity))

---

Date	Final Pond Discharge					
	pH	Conduct	Estimate TDS	Turbid	Online	
					pH	Temp.
					5.5-9.0	<40
		µS/cm	ppm	NTU		°C
1-Jan-23			0			
2-Jan-23			0			
3-Jan-23			0			
4-Jan-23			0			
5-Jan-23			0			
6-Jan-23			0			
7-Jan-23			0			
8-Jan-23			0			
9-Jan-23			0			
10-Jan-23			0			
11-Jan-23			0			
12-Jan-23			0			
13-Jan-23			0			
14-Jan-23			0			
15-Jan-23			0			
16-Jan-23			0			
17-Jan-23			0			
18-Jan-23			0			
19-Jan-23	7.56	3221	2416	13.20		26.0
20-Jan-23			0			
21-Jan-23			0			
22-Jan-23			0			
23-Jan-23			0			
24-Jan-23			0			
25-Jan-23			0			
26-Jan-23			0			
27-Jan-23	7.98	2950	2213	5.48		29.0
28-Jan-23			0			
29-Jan-23			0			
30-Jan-23			0			
31-Jan-23			0			
1-Feb-23			0			

Date	Final Pond Discharge					
	pH	Conduct	Estimate TDS	Turbid	Online	
					pH	Temp.
					5.5-9.0	<40
		µS/cm	ppm	NTU		°C
2-Feb-23			0			
3-Feb-23			0			
4-Feb-23			0			
5-Feb-23			0			
6-Feb-23			0			
7-Feb-23			0			
8-Feb-23			0			
9-Feb-23			0			
10-Feb-23			0			
11-Feb-23			0			
12-Feb-23			0			
13-Feb-23			0			
14-Feb-23			0			
15-Feb-23	7.76	1964	1473	3.17		28.0
16-Feb-23			0			
17-Feb-23			0			
18-Feb-23			0			
19-Feb-23			0			
20-Feb-23			0			
21-Feb-23			0			
22-Feb-23			0			
23-Feb-23			0			
24-Feb-23			0			
25-Feb-23			0			
26-Feb-23			0			
27-Feb-23			0			
28-Feb-23			0			
1-Mar-23			0			
2-Mar-23			0			
3-Mar-23			0			
4-Mar-23			0			
5-Mar-23			0			



Date	Final Pond Discharge					
	pH	Conduct	Estimate TDS	Turbid	Online	
					pH	Temp.
					5.5-9.0	<40
		µS/cm	ppm	NTU		°C
6-Mar-23			0			
7-Mar-23			0			
8-Mar-23			0			
9-Mar-23			0			
10-Mar-23			0			
11-Mar-23			0			
12-Mar-23			0			
13-Mar-23			0			
14-Mar-23			0			
15-Mar-23			0			
16-Mar-23			0			
17-Mar-23			0			
18-Mar-23			0			
19-Mar-23			0			
20-Mar-23			0			
21-Mar-23			0			
22-Mar-23			0			
23-Mar-23	8.01	2248	1686	11.80		30.0
24-Mar-23	8.26	2315	1736	17.20		28.0
25-Mar-23			0			
26-Mar-23			0			
27-Mar-23			0			
28-Mar-23			0			
29-Mar-23			0			
30-Mar-23			0			
31-Mar-23			0			
1-Apr-23	8.52	1429	1072	6.67		32.0
2-Apr-23			0			
3-Apr-23			0			
4-Apr-23			0			
5-Apr-23			0			
6-Apr-23			0			

Date	Final Pond Discharge					
	pH	Conduct	Estimate TDS	Turbid	Online	
					pH	Temp.
					5.5-9.0	<40
		µS/cm	ppm	NTU		°C
7-Apr-23	8.52	2913	2185	3.52		30.0
8-Apr-23	8.69	2882	2162	3.72		30.0
9-Apr-23			0			
10-Apr-23			0			
11-Apr-23			0			
12-Apr-23			0			
13-Apr-23			0			
14-Apr-23			0			
15-Apr-23			0			
16-Apr-23			0			
17-Apr-23			0			
18-Apr-23			0			
19-Apr-23			0			
20-Apr-23	8.50	1679	1259	7.85		32.0
21-Apr-23			0			
22-Apr-23			0			
23-Apr-23			0			
24-Apr-23			0			
25-Apr-23			0			
26-Apr-23			0			
27-Apr-23			0			
28-Apr-23			0			
29-Apr-23			0			
30-Apr-23	8.14	2154	1616	2.16		29.0
1-May-23	8.26	2065	1549	2.31		29.0
2-May-23			0			
3-May-23	7.76	1836	1377	6.66	7.73	32.0
4-May-23	8.12	2392	1794	5.01	8.10	33.0
5-May-23	7.74	3513	2635	3.52	7.67	33.0
6-May-23			0			
7-May-23	7.68	3487	2615	2.71	7.50	34.0
8-May-23	7.39	2704	2028	1.85	7.26	34.0

Date	Final Pond Discharge					
	pH	Conduct	Estimate TDS	Turbid	Online	
					pH	Temp.
					5.5-9.0	<40
		µS/cm	ppm	NTU		°C
9-May-23	7.29	3007	2255	3.10		34.0
10-May-23	7.81	3985	2989	3.82	7.81	33.0
11-May-23	7.65	3918	2939	3.20		33.0
12-May-23	7.95	3321	2491	4.62	8.00	32.6
13-May-23	7.81	3174	2381	4.16	7.90	35.0
14-May-23	7.76	3224	2418	3.20		36.0
15-May-23	7.76	3224	2418	3.20		36.0
16-May-23	7.63	2274	1706	3.48		35.0
17-May-23	7.69	3392	2544	2.97	7.73	35.0
18-May-23	7.84	2915	2186	3.17		35.0
19-May-23	7.59	2912	2184	3.51	7.57	34.0
20-May-23	7.83	2861	2146	3.68	7.90	35.0
21-May-23	7.71	3294	2471	3.70	7.70	36.0
22-May-23	7.81	3068	2301	3.57	7.83	36.0
23-May-23	7.68	3341	2506	3.24		35.0
24-May-23	7.80	2922	2192	2.92	7.90	34.0
25-May-23	7.74	3402	2552	2.21		32.0
26-May-23	7.95	2957	2218	2.63	7.80	34.0
27-May-23	7.71	3424	2568	2.60	6.80	34.0
28-May-23	7.92	2910	2183	2.76	7.80	33.0
29-May-23	7.59	3298	2474	2.59	7.80	34.0
30-May-23	7.66	2852	2139	2.81		33.0
31-May-23	7.70	3068	2301	3.68	7.70	33.0
1-Jun-23	7.64	2785	2089	3.27		34.0
2-Jun-23	7.56	3047	2285	2.64	7.46	34.0
3-Jun-23	7.61	3655	2741	2.56	7.76	34.0
4-Jun-23	7.87	2714	2036	3.20	7.90	34.0
5-Jun-23	7.42	3449	2587	2.66	7.70	33.0
6-Jun-23	7.78	2838	2129	2.86		33.0
7-Jun-23	7.56	3292	2469	2.31	7.65	34.0
8-Jun-23	7.65	2725	2044	2.84		34.0
9-Jun-23	7.71	3127	2345	3.02	7.41	34.0

Date	Final Pond Discharge					
	pH	Conduct	Estimate TDS	Turbid	Online	
					pH	Temp.
					5.5-9.0	<40
		µS/cm	ppm	NTU		°C
10-Jun-23	7.69	3536	2652	3.08	7.40	33.0
11-Jun-23	7.81	3107	2330	3.48	7.60	34.0
12-Jun-23	7.67	3329	2497	2.74	7.35	34.0
13-Jun-23	7.69	3082	2312	3.18		34.0
14-Jun-23	7.55	3082	2312	2.83	7.37	34.0
15-Jun-23	8.00	2982	2237	4.19		34.0
16-Jun-23	7.74	3319	2489	4.17	7.49	34.0
17-Jun-23	7.88	2969	2227	3.76	7.60	34.0
18-Jun-23	7.74	3334	2501	3.18	7.50	34.0
19-Jun-23	7.86	2915	2186	3.11	7.64	35.0
20-Jun-23	7.68	3318	2489	3.23		34.0
21-Jun-23	7.82	2924	2193	2.58	7.56	34.0
22-Jun-23	7.70	2821	2116	2.27		32.0
23-Jun-23	7.67	3164	2373	2.24	7.41	34.0
24-Jun-23	7.65	2941	2206	2.86	7.50	35.0
25-Jun-23	7.64	3558	2669	2.32	7.30	34.0
26-Jun-23	7.74	3181	2386	2.98	7.32	35.0
27-Jun-23	7.66	3546	2660	2.81		33.0
28-Jun-23	7.58	3774	2831	2.92	7.50	34.0
29-Jun-23	7.53	3343	2507	2.73		34.0
30-Jun-23	7.41	3375	2531	2.45	7.25	35.0



## คุณภาพน้ำผิวดิน

---





## Analysis / Test Report

**Client :** Ratch Energy Rayong Co., Ltd.  
222 Moo 5, Tambon Nong Lalok, Amphoe Ban Khai, Rayong Thailand 21120

**P/O :** PO-2302-0003

**Project Name :**

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2322547**

Date Received : Mar 23, 2023

Date Reported : Jun 28, 2023

Report Number : 2699900-1

Page 1 of 2

<b>Sample Number</b>	2322547-1							
<b>Sampled Date</b>	Mar 23, 2023 1:35 PM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	SW1 : ก่อนไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร							
<b>Date Analysis Commenced</b>	Mar 23, 2023							
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials, one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Volatile Organics Compounds</b>								
Bromodichloromethane *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
Bromoform *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
Chloroform *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
Dibromochloromethane *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
Total Trihalomethanes *	ug/L	0.2	1	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	7.4	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.001	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.27	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	7.1	5.0-9.0	5.0-9.0	In-house method : STM 02-005 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

TESTING

No.0042

Lot ID: 2322547

Date Received : Mar 23, 2023

Date Reported : Jun 28, 2023

Report Number : 2699900-1

Client : Ratch Energy Rayong Co., Ltd.

222 Moo 5, Tambon Nong Lalok, Amphoe Ban Khai, Rayong Thailand 21120

P/O : PO-2302-0003

Project Name :

Project Location :

Page 2 of 2

Sample Number	2322547-1
Sampled Date	Mar 23, 2023 1:35 PM
Sample Description	Surface Water
Location	SW1 : ก่อนไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร
Date Analysis Commenced	Mar 23, 2023
Condition of Sample	Contained in one BOD bottle, two glass vials, one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Temperature *	Degree C	-	-	32.2	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	96	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Note :** This Analysis test report is reissued to supersede report No.2582105-1, Date Reported : Mar 31, 2023 due to revise analytical information.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ๖-323-๖-9460 , Samart Khumphlee ทะเบียนเลขที่ ๖-204-๖-7830

Remark :

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

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

N. Banongkit

Narumon Banchongkit  
Supervisor

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

18309-21/ EMAIL

S:\Reports\All\_2GL.rpt ( 3:03PM)



## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :**

**Project Name :**

**Project Location :**

**Lot ID: 2342882**

Date Received : Apr 20, 2023

Date Reported : May 22, 2023

Report Number : 2625877-1 C1

Page 1 of 3

**Sample Number** 2342882-1  
**Sampled Date** Apr 20, 2023 11:20 AM  
**Sample Description** Surface Water  
**Location** SW1 : ก่อนไหลผ่านจุดระบายน้ำทิ้ง 1,000 เมตร  
**Date Analysis Commenced** Apr 22, 2023  
**Condition of Sample** Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
BOD	mg/L	-	2	<2.0	≤2	≤4		Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477

Remark :

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

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

18309-21/ EMAIL





## Analysis / Test Report

TESTING

No.0042

Lot ID: 2366208

Date Received : Jun 26, 2023

Date Reported : Jul 07, 2023

Report Number : 2676984-1 C1

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

P/O :

Project Name :

Project Location :

Page 1 of 6

Sample Number	2366208-1							
Sampled Date	Jun 27, 2023 11:33 AM							
Sample Description	Surface Water							
Location	SW1 : ก่อนไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร							
Date Analysis Commenced	Jun 26, 2023							
Condition of Sample	Contained in two glass vials, one amber glass bottle, one BOD bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline ( 1 )	Guideline ( 2 )	Method	Testing Location
<b>Volatile Organics Compounds</b>								
Bromodichloromethane *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
Bromoform *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
Chloroform *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
Dibromochloromethane *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
Total Trihalomethanes *	ug/L	0.2	1	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
<b>Water Testing</b>								
BOD *	mg/L	-	2	<2	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.7	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.025	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.81	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory, ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

18309-21/ EMAIL



## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :**

**Project Name :**

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2366208**

Date Received : Jun 26, 2023

Date Reported : Jul 07, 2023

Report Number : 2676984-1 C1

Page 2 of 6

<b>Sample Number</b>	2366208-1
<b>Sampled Date</b>	Jun 27, 2023 11:33 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW1 : ก่อนไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร
<b>Date Analysis Commenced</b>	Jun 26, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle, one BOD bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Oil & Grease *	mg/L	-	3	<3	No Standard	No Standard	In-house method : STM 02-004 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	7.3	5.0-9.0	5.0-9.0	In-house method : STM 02-005 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.3	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	100	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Narunat thammasaro ทะเบียนเลขที่ ๖-323-๖-9477

**Remark :**

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

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory, ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

18309-21/ EMAIL





## Analysis / Test Report

TESTING

No.0042

Lot ID: 2322547

Date Received : Mar 23, 2023

Date Reported : Jun 28, 2023

Report Number : 2699902-1

Client : Ratch Energy Rayong Co., Ltd.  
222 Moo 5, Tambon Nong Lalok, Amphoe Ban Khai, Rayong Thailand 21120

P/O : PO-2302-0003

Project Name :

Project Location :

Page 1 of 2

Sample Number	2322547-3							
Sampled Date	Mar 23, 2023 1:55 PM							
Sample Description	Surface Water							
Location	SW2 : บริเวณจุดระบายน้ำทิ้ง							
Date Analysis Commenced	Mar 23, 2023							
Condition of Sample	Contained in one BOD bottle, two glass vials, one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	6.6	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.060	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.56	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	7.2	5.0-9.0	5.0-9.0	In-house method : STM 02-005 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.5	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	952	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	39	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Note :** This Analysis test report is reissued to supersede report No.2582105-1, Date Reported : Mar 31, 2023 due to revise analytical information.

Approved by

*N. Banongkit*

Narumon Banhongkit  
Supervisor

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

**Client :** Ratch Energy Rayong Co., Ltd.  
222 Moo 5, Tambon Nong Lalok, Amphoe Ban Khai, Rayong Thailand 21120

**P/O :** PO-2302-0003

**Project Name :**

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2322547**

Date Received : Mar 23, 2023

Date Reported : Jun 28, 2023

Report Number : 2699902-1

Page 2 of 2

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ๖-323-๖-9460 , Samart Khumphlee ทะเบียนเลขที่ ๖-204-๖-7830

**Remark :**

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

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

P/O :

Project Name :

Project Location :

**Lot ID: 2342882**

Date Received : Apr 20, 2023

Date Reported : May 22, 2023

Report Number : 2625877-1 C1

Page 2 of 3

**Sample Number** 2342882-2  
**Sampled Date** Apr 20, 2023 11:30 AM  
**Sample Description** Surface Water  
**Location** SW2 : บริเวณจุดระบายน้ำทิ้ง  
**Date Analysis Commenced** Apr 22, 2023  
**Condition of Sample** Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
BOD	mg/L	-	2	<2.0	≤2	≤4		Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Narunat thammasaro ทะเบียนเลขที่ ๖-323-๖-9477

Remark :

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

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Narumon Banchongkit  
Supervisor

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

18309-21/ EMAIL



## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :**

**Project Name :**

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2366208**

Date Received : Jun 26, 2023

Date Reported : Jul 07, 2023

Report Number : 2676984-1 C1

Page 5 of 6

<b>Sample Number</b>	2366208-3							
<b>Sampled Date</b>	Jun 27, 2023 11:20 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	SW2 : บริเวณจุดระบายน้ำทิ้ง							
<b>Date Analysis Commenced</b>	Jun 26, 2023							
<b>Condition of Sample</b>	Contained in one amber glass bottle, one BOD bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
BOD *	mg/L	-	2	<2	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.7	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.079	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.83	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	No Standard	In-house method : STM 02-004 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	In-house method : STM 02-005 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.4	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	820	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	50	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*N. Banchookit*

Narumon Banchookit  
Supervisor

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

18309-21/ EMAIL





## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2366208**

Date Received : Jun 26, 2023

Date Reported : Jul 07, 2023

Report Number : 2676984-1 C1

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :**

**Project Name :**

**Project Location :**

Page 6 of 6

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Narunat thammassaro ทะเบียนเลขที่ ๖-323-๖-9477

**Remark :**

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

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory, ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER

18309-21/ EMAIL



## Analysis / Test Report

**Client :** Ratch Energy Rayong Co., Ltd.  
222 Moo 5, Tambon Nong Lalok, Amphoe Ban Khai, Rayong Thailand 21120  
**P/O :** PO-2302-0003  
**Project Name :**  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2322547**  
Date Received : Mar 23, 2023  
Date Reported : Jun 28, 2023  
Report Number : 2699901-1

Page 1 of 2

<b>Sample Number</b>	2322547-2							
<b>Sampled Date</b>	Mar 23, 2023 2:05 PM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	SW3 : หลังไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร							
<b>Date Analysis Commenced</b>	Mar 23, 2023							
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials, one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Volatile Organics Compounds</b>								
Bromodichloromethane *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
Bromoform *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
Chloroform *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
Dibromochloromethane *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
Total Trihalomethanes *	ug/L	0.2	1	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	7.7	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.078	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.34	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	7.1	5.0-9.0	5.0-9.0	In-house method : STM 02-005 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

TESTING

No.0042

Lot ID: 2322547

Date Received : Mar 23, 2023

Date Reported : Jun 28, 2023

Report Number : 2699901-1

Client : Ratch Energy Rayong Co., Ltd.

222 Moo 5, Tambon Nong Lalok, Amphoe Ban Khai, Rayong Thailand 21120

P/O : PO-2302-0003

Project Name :

Project Location :

Page 2 of 2

Sample Number	2322547-2							
Sampled Date	Mar 23, 2023 2:05 PM							
Sample Description	Surface Water							
Location	SW3 : หลังไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร							
Date Analysis Commenced	Mar 23, 2023							
Condition of Sample	Contained in one BOD bottle, two glass vials, one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Temperature *	Degree C	-	-	32.6	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	184	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	5	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Note :** This Analysis test report is reissued to supersede report No.2582105-1, Date Reported : Mar 31, 2023 due to revise analytical information.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

N. Banchongkit

Narumon Banchongkit  
Supervisor

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

18309-21/ EMAIL

S:\Reports\_All\_2GL.rpt ( 3:03PM)



## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :**

**Project Name :**

**Project Location :**

**Lot ID: 2342882**

Date Received : Apr 20, 2023

Date Reported : May 22, 2023

Report Number : 2625877-1 C1

Page 3 of 3

<b>Sample Number</b>	2342882-3
<b>Sampled Date</b>	Apr 20, 2023 11:45 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW3 : หลังไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร
<b>Date Analysis Commenced</b>	Apr 22, 2023
<b>Condition of Sample</b>	Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
BOD	mg/L	-	2	<2.0	≤2	≤4		Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Narunat thammasaro ทะเบียนเลขที่ ๖-323-๖-9477

**Remark :**

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

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

18309-21/ EMAIL





## Analysis / Test Report

TESTING

No.0042

Lot ID: 2366208

Date Received : Jun 26, 2023

Date Reported : Jul 07, 2023

Report Number : 2676984-1 C1

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

P/O :

Project Name :

Project Location :

Page 3 of 6

**Sample Number** 2366208-2  
**Sampled Date** Jun 27, 2023 11:00 AM  
**Sample Description** Surface Water  
**Location** SW3 : หลังไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร  
**Date Analysis Commenced** Jun 26, 2023  
**Condition of Sample** Contained in two glass vials, one amber glass bottle, one BOD bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline ( 1 )	Guideline ( 2 )	Method	Testing Location
<b>Volatile Organics Compounds</b>								
Bromodichloromethane *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
Bromoform *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
Chloroform *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
Dibromochloromethane *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
Total Trihalomethanes *	ug/L	0.2	1	Not Detected	No Standard	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
<b>Water Testing</b>								
BOD *	mg/L	-	2	<2	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Rayong
Dissolved Oxygen *	mg/L	-	0.1	7.1	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	1.109	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.62	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

18309-21/ EMAIL



## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :**

**Project Name :**

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2366208**

Date Received : Jun 26, 2023

Date Reported : Jul 07, 2023

Report Number : 2676984-1 C1

Page 4 of 6

**Sample Number** 2366208-2  
**Sampled Date** Jun 27, 2023 11:00 AM  
**Sample Description** Surface Water  
**Location** SW3 : หลังไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร  
**Date Analysis Commenced** Jun 26, 2023  
**Condition of Sample** Contained in two glass vials, one amber glass bottle, one BOD bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Oil & Grease *	mg/L	-	3	<3	No Standard	No Standard	In-house method : STM 02-004 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Rayong
pH at 25 degree C		-	-	7.5	5.0-9.0	5.0-9.0	In-house method : STM 02-005 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.3	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	226	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	5	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477

**Remark :**

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

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory, ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

18309-21/ EMAIL



ระดับเสียงโดยทั่วไป

---



## Analysis / Test Report

TESTING

No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1047

**Project Name :** EIA Monitoring

**Project Location :**

**Lot ID: 2359140**

Date Received : Jun 19, 2023

Date Reported : Jun 21, 2023

Report Number: 2690581-1

Page 1 of 1

**Sample Number** 2359140-1  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N2 : ริมรั้วโครงการระยะที่ 1 ทางด้านทิศเหนือ  
**Measurement Date** Jun 10 - Jun 11, 2023  
**Measurement by** Chatchai Sukpia  
**Sound Level meter** Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	59.8	80.3	58.8
10:00 AM - 11:00 AM	60.7	76.4	59.1
11:00 AM - 12:00 PM	59.9	72.4	58.8
12:00 PM - 01:00 PM	59.6	71.9	58.7
01:00 PM - 02:00 PM	58.9	70.9	58.2
02:00 PM - 03:00 PM	59.4	72.4	58.5
03:00 PM - 04:00 PM	59.5	71.7	58.6
04:00 PM - 05:00 PM	59.6	74.1	58.9
05:00 PM - 06:00 PM	66.5	74.1	59.7
06:00 PM - 07:00 PM	60.8	69.5	59.4
07:00 PM - 08:00 PM	59.8	66.5	59.1
08:00 PM - 09:00 PM	59.6	64.6	59.0
09:00 PM - 10:00 PM	60.5	66.3	59.3
10:00 PM - 11:00 PM	60.4	66.5	59.8
11:00 PM - 12:00 AM	60.0	64.7	59.5
12:00 AM - 01:00 AM	60.2	69.3	59.5
01:00 AM - 02:00 AM	60.3	67.9	59.6
02:00 AM - 03:00 AM	61.9	69.8	60.4
03:00 AM - 04:00 AM	63.5	68.9	62.4
04:00 AM - 05:00 AM	61.4	69.7	59.8
05:00 AM - 06:00 AM	60.1	71.1	59.4
06:00 AM - 07:00 AM	60.1	78.1	59.3
07:00 AM - 08:00 AM	60.7	75.7	59.2
08:00 AM - 09:00 AM	60.7	73.7	59.3

Leq Average 24 hrs. (dB(A))

61.0

Lmax (dB(A))

80.3

L90 (dB(A))

59.3

Ldn (dB(A))

67.4

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1047

**Project Name :** EIA Monitoring

**Project Location :**

**Lot ID: 2359140**

Date Received : Jun 19, 2023

Date Reported : Jun 21, 2023

Report Number: 2690582-1

Page 1 of 1

**Sample Number** 2359140-2  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N2 : ริมรั้วโครงการระยะที่ 1 ทางด้านทิศเหนือ  
**Measurement Date** Jun 11 - Jun 12, 2023  
**Measurement by** Chatchai Sukpia  
**Sound Level meter** Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	61.6	73.6	59.5
10:00 AM - 11:00 AM	60.3	67.4	59.4
11:00 AM - 12:00 PM	60.3	73.3	59.3
12:00 PM - 01:00 PM	60.2	72.2	59.1
01:00 PM - 02:00 PM	60.5	72.2	59.6
02:00 PM - 03:00 PM	60.7	68.2	59.5
03:00 PM - 04:00 PM	61.1	68.6	59.6
04:00 PM - 05:00 PM	60.9	79.1	59.9
05:00 PM - 06:00 PM	66.7	78.7	60.8
06:00 PM - 07:00 PM	61.5	67.9	60.5
07:00 PM - 08:00 PM	60.2	68.0	58.9
08:00 PM - 09:00 PM	60.3	65.6	59.1
09:00 PM - 10:00 PM	60.6	68.0	59.3
10:00 PM - 11:00 PM	60.5	70.7	59.7
11:00 PM - 12:00 AM	60.2	66.1	59.6
12:00 AM - 01:00 AM	60.2	66.8	59.6
01:00 AM - 02:00 AM	60.5	71.7	59.9
02:00 AM - 03:00 AM	61.7	68.7	60.4
03:00 AM - 04:00 AM	63.9	69.2	62.6
04:00 AM - 05:00 AM	62.0	77.4	60.1
05:00 AM - 06:00 AM	60.3	80.8	59.3
06:00 AM - 07:00 AM	61.2	76.9	59.6
07:00 AM - 08:00 AM	60.4	72.9	59.3
08:00 AM - 09:00 AM	60.1	72.4	59.2

Leq Average 24 hrs. (dB(A))

61.4

Lmax (dB(A))

80.8

L90 (dB(A))

59.6

Ldn (dB(A))

67.8

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supt S.*

Supot Salamteah  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2359140**  
Date Received : Jun 19, 2023  
Date Reported : Jun 21, 2023  
Report Number: 2690583-1

Page 1 of 1

**Sample Number** 2359140-3  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N2 : ริมรั้วโครงการระยะที่ 1 ทางด้านทิศเหนือ  
**Measurement Date** Jun 12 - Jun 13, 2023  
**Measurement by** Chatchai Sukpia  
**Sound Level meter** Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	59.4	71.4	58.7
10:00 AM - 11:00 AM	59.9	72.9	59.0
11:00 AM - 12:00 PM	60.2	72.4	59.3
12:00 PM - 01:00 PM	60.3	74.8	59.6
01:00 PM - 02:00 PM	67.2	74.8	60.4
02:00 PM - 03:00 PM	61.5	70.2	60.1
03:00 PM - 04:00 PM	60.5	67.2	59.8
04:00 PM - 05:00 PM	60.3	65.3	59.7
05:00 PM - 06:00 PM	61.2	67.0	60.0
06:00 PM - 07:00 PM	61.1	67.2	60.5
07:00 PM - 08:00 PM	60.7	65.4	60.2
08:00 PM - 09:00 PM	60.9	70.0	60.2
09:00 PM - 10:00 PM	61.0	68.6	60.3
10:00 PM - 11:00 PM	62.6	70.5	61.1
11:00 PM - 12:00 AM	64.2	69.6	63.1
12:00 AM - 01:00 AM	62.1	70.4	60.5
01:00 AM - 02:00 AM	60.8	71.8	60.1
02:00 AM - 03:00 AM	60.8	78.8	60.0
03:00 AM - 04:00 AM	61.0	76.0	59.5
04:00 AM - 05:00 AM	61.0	74.0	59.6
05:00 AM - 06:00 AM	61.9	73.9	59.8
06:00 AM - 07:00 AM	60.6	67.7	59.7
07:00 AM - 08:00 AM	60.6	73.6	59.6
08:00 AM - 09:00 AM	60.5	72.5	59.4

Leq Average 24 hrs. (dB(A)) 61.6  
Lmax (dB(A)) 78.8  
L90 (dB(A)) 59.8  
Ldn (dB(A)) 68.2  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2359140**  
Date Received : Jun 19, 2023  
Date Reported : Jun 21, 2023  
Report Number: 2690584-1

Page 1 of 1

**Sample Number** 2359140-4  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N2 : ริมรั้วโครงการระยะที่ 1 ทางด้านทิศเหนือ  
**Measurement Date** Jun 13 - Jun 14, 2023  
**Measurement by** Chatchai Sukpia  
**Sound Level meter** Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	60.8	72.5	59.9
10:00 AM - 11:00 AM	61.0	68.5	59.8
11:00 AM - 12:00 PM	61.4	68.9	59.9
12:00 PM - 01:00 PM	61.2	79.4	60.2
01:00 PM - 02:00 PM	67.0	79.0	61.1
02:00 PM - 03:00 PM	61.8	68.2	60.8
03:00 PM - 04:00 PM	60.5	68.3	59.2
04:00 PM - 05:00 PM	60.6	65.9	59.4
05:00 PM - 06:00 PM	60.9	68.3	59.6
06:00 PM - 07:00 PM	60.3	70.5	59.5
07:00 PM - 08:00 PM	60.0	65.9	59.4
08:00 PM - 09:00 PM	60.0	66.6	59.4
09:00 PM - 10:00 PM	60.3	71.5	59.7
10:00 PM - 11:00 PM	61.5	68.5	60.2
11:00 PM - 12:00 AM	63.7	69.0	62.4
12:00 AM - 01:00 AM	61.8	77.2	59.9
01:00 AM - 02:00 AM	59.7	72.0	58.9
02:00 AM - 03:00 AM	60.1	67.4	59.0
03:00 AM - 04:00 AM	60.0	66.2	59.3
04:00 AM - 05:00 AM	59.8	68.3	59.1
05:00 AM - 06:00 AM	60.7	67.0	59.6
06:00 AM - 07:00 AM	62.7	69.4	61.3
07:00 AM - 08:00 AM	61.7	73.0	59.7
08:00 AM - 09:00 AM	61.0	77.2	59.2

Leq Average 24 hrs. (dB(A)) 61.5  
Lmax (dB(A)) 79.4  
L90 (dB(A)) 59.6  
Ldn (dB(A)) 67.8  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2359140**  
Date Received : Jun 19, 2023  
Date Reported : Jun 21, 2023  
Report Number: 2690585-1

Page 1 of 1

**Sample Number** 2359140-5  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N2 : ริมรั้วโครงการระยะที่ 1 ทางด้านทิศเหนือ  
**Measurement Date** Jun 14 - Jun 15, 2023  
**Measurement by** Chatchai Sukpia  
**Sound Level meter** Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	60.4	71.3	59.4
10:00 AM - 11:00 AM	60.3	73.6	59.3
11:00 AM - 12:00 PM	60.9	74.4	59.2
12:00 PM - 01:00 PM	60.4	77.7	58.7
01:00 PM - 02:00 PM	62.7	81.1	58.9
02:00 PM - 03:00 PM	60.3	72.9	59.3
03:00 PM - 04:00 PM	60.6	74.2	59.1
04:00 PM - 05:00 PM	60.7	78.4	59.0
05:00 PM - 06:00 PM	61.0	76.5	59.1
06:00 PM - 07:00 PM	60.3	80.5	59.1
07:00 PM - 08:00 PM	60.5	75.9	59.3
08:00 PM - 09:00 PM	60.2	78.7	58.9
09:00 PM - 10:00 PM	59.9	77.1	59.0
10:00 PM - 11:00 PM	60.0	77.6	59.1
11:00 PM - 12:00 AM	62.0	77.0	59.4
12:00 AM - 01:00 AM	60.5	78.0	59.5
01:00 AM - 02:00 AM	64.9	73.0	59.9
02:00 AM - 03:00 AM	63.5	72.4	60.3
03:00 AM - 04:00 AM	60.2	84.0	59.4
04:00 AM - 05:00 AM	60.2	68.1	59.6
05:00 AM - 06:00 AM	60.0	67.8	58.9
06:00 AM - 07:00 AM	63.7	81.4	59.4
07:00 AM - 08:00 AM	60.9	82.3	59.1
08:00 AM - 09:00 AM	65.0	73.3	59.4

Leq Average 24 hrs. (dB(A)) 61.5  
Lmax (dB(A)) 84.0  
L90 (dB(A)) 59.2  
Ldn (dB(A)) 68.4  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1047

**Project Name :** EIA Monitoring

**Project Location :**

**Lot ID: 2359140**

Date Received : Jun 19, 2023

Date Reported : Jun 21, 2023

Report Number: 2690586-1

Page 1 of 1

**Sample Number** 2359140-6  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N2 : ร่มรั้วโครงการระยะที่ 1 ทางด้านทิศเหนือ  
**Measurement Date** Jun 15 - Jun 16, 2023  
**Measurement by** Chatchai Sukpia  
**Sound Level meter** Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	63.0	70.5	60.0
10:00 AM - 11:00 AM	60.1	70.3	59.3
11:00 AM - 12:00 PM	60.2	68.5	59.5
12:00 PM - 01:00 PM	60.6	80.8	59.4
01:00 PM - 02:00 PM	60.8	76.2	59.6
02:00 PM - 03:00 PM	60.5	79.0	59.2
03:00 PM - 04:00 PM	60.2	77.4	59.3
04:00 PM - 05:00 PM	60.3	77.9	59.4
05:00 PM - 06:00 PM	62.3	77.3	59.7
06:00 PM - 07:00 PM	60.8	78.3	59.8
07:00 PM - 08:00 PM	65.2	73.3	60.2
08:00 PM - 09:00 PM	63.8	72.7	60.6
09:00 PM - 10:00 PM	60.8	84.6	60.0
10:00 PM - 11:00 PM	60.8	68.7	60.2
11:00 PM - 12:00 AM	60.6	68.4	59.5
12:00 AM - 01:00 AM	60.3	72.6	59.5
01:00 AM - 02:00 AM	60.7	68.0	59.6
02:00 AM - 03:00 AM	60.6	66.8	59.9
03:00 AM - 04:00 AM	60.4	68.9	59.7
04:00 AM - 05:00 AM	61.3	67.6	60.2
05:00 AM - 06:00 AM	63.3	70.0	61.9
06:00 AM - 07:00 AM	62.3	73.6	60.3
07:00 AM - 08:00 AM	61.6	77.8	59.8
08:00 AM - 09:00 AM	60.8	71.7	59.8

Leq Average 24 hrs. (dB(A))

61.5

Lmax (dB(A))

84.6

L90 (dB(A))

59.7

Ldn (dB(A))

67.7

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supt S.*

Supt Salamteb  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2359140**

Date Received : Jun 19, 2023  
Date Reported : Jun 21, 2023  
Report Number: 2690587-1

Page 1 of 1

**Sample Number** 2359140-7  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N2 : ร่มรั้วโครงการระยะที่ 1 ทางด้านทิศเหนือ  
**Measurement Date** Jun 16 - Jun 17, 2023  
**Measurement by** Chatchai Sukpia  
**Sound Level meter** Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	60.7	74.0	59.7
10:00 AM - 11:00 AM	61.3	74.8	59.6
11:00 AM - 12:00 PM	60.8	78.1	59.1
12:00 PM - 01:00 PM	63.1	81.5	59.3
01:00 PM - 02:00 PM	60.7	73.3	59.7
02:00 PM - 03:00 PM	61.0	74.6	59.5
03:00 PM - 04:00 PM	61.1	78.8	59.4
04:00 PM - 05:00 PM	61.4	76.9	59.5
05:00 PM - 06:00 PM	64.1	81.8	59.8
06:00 PM - 07:00 PM	61.3	82.7	59.5
07:00 PM - 08:00 PM	65.4	73.7	59.8
08:00 PM - 09:00 PM	63.4	70.9	60.4
09:00 PM - 10:00 PM	60.5	70.7	59.7
10:00 PM - 11:00 PM	60.6	72.6	59.9
11:00 PM - 12:00 AM	60.9	73.1	59.8
12:00 AM - 01:00 AM	59.9	69.2	59.3
01:00 AM - 02:00 AM	59.8	67.1	58.8
02:00 AM - 03:00 AM	59.7	66.5	58.7
03:00 AM - 04:00 AM	59.6	67.9	58.9
04:00 AM - 05:00 AM	60.9	66.1	59.9
05:00 AM - 06:00 AM	63.2	68.6	61.4
06:00 AM - 07:00 AM	62.3	71.8	60.0
07:00 AM - 08:00 AM	61.6	78.8	59.3
08:00 AM - 09:00 AM	60.2	73.1	59.2

Leq Average 24 hrs. (dB(A)) 61.7  
Lmax (dB(A)) 82.7  
L90 (dB(A)) 59.5  
Ldn (dB(A)) 67.5  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1110  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2359182**

Date Received : Jun 19, 2023  
Date Reported : Jun 21, 2023  
Report Number: 2690588-1

Page 1 of 1

**Sample Number** 2359182-1  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N1 : หมู่ 10 บ้านมาบดอง  
**Measurement Date** Jun 10 - Jun 11, 2023  
**Measurement by** Chatchai Sukpia  
**Sound Level meter** Serial No. 1122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	51.4	74.7	44.2
10:00 AM - 11:00 AM	50.2	67.4	43.3
11:00 AM - 12:00 PM	47.7	71.5	43.1
12:00 PM - 01:00 PM	48.3	65.6	42.8
01:00 PM - 02:00 PM	48.0	68.5	44.4
02:00 PM - 03:00 PM	50.1	68.9	46.0
03:00 PM - 04:00 PM	47.6	71.6	43.8
04:00 PM - 05:00 PM	49.7	65.2	47.3
05:00 PM - 06:00 PM	53.5	76.5	47.3
06:00 PM - 07:00 PM	50.3	76.1	46.4
07:00 PM - 08:00 PM	47.2	58.3	45.3
08:00 PM - 09:00 PM	46.2	69.4	44.3
09:00 PM - 10:00 PM	45.9	57.1	43.9
10:00 PM - 11:00 PM	48.1	59.5	45.6
11:00 PM - 12:00 AM	48.4	70.8	44.7
12:00 AM - 01:00 AM	48.4	61.5	45.8
01:00 AM - 02:00 AM	49.0	67.2	45.9
02:00 AM - 03:00 AM	47.7	62.4	45.6
03:00 AM - 04:00 AM	50.6	71.4	44.6
04:00 AM - 05:00 AM	52.6	72.2	46.8
05:00 AM - 06:00 AM	51.4	72.0	45.9
06:00 AM - 07:00 AM	51.8	70.2	45.0
07:00 AM - 08:00 AM	54.9	71.9	45.6
08:00 AM - 09:00 AM	54.8	71.7	46.0

Leq Average 24 hrs. (dB(A))

50.5

Lmax (dB(A))

76.5

L90 (dB(A))

45.3

Ldn (dB(A))

56.6

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

6872-21/ EMAIL

S:\Reports\\_Air Noise.rpt ( 3:36PM)



## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1110  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2359182**  
Date Received : Jun 19, 2023  
Date Reported : Jun 21, 2023  
Report Number: 2690589-1

Page 1 of 1

**Sample Number** 2359182-2  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N1 : หมู่ 10 บ้านนาบดอง  
**Measurement Date** Jun 11 - Jun 12, 2023  
**Measurement by** Chatchai Sukpia  
**Sound Level meter** Serial No. 1122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	59.6	75.3	44.0
10:00 AM - 11:00 AM	51.7	76.3	44.6
11:00 AM - 12:00 PM	49.8	72.6	43.6
12:00 PM - 01:00 PM	48.4	65.2	44.0
01:00 PM - 02:00 PM	49.5	73.9	44.6
02:00 PM - 03:00 PM	48.1	69.6	43.5
03:00 PM - 04:00 PM	52.4	76.4	44.7
04:00 PM - 05:00 PM	46.9	68.4	44.0
05:00 PM - 06:00 PM	50.0	63.9	44.7
06:00 PM - 07:00 PM	46.5	69.2	44.3
07:00 PM - 08:00 PM	46.9	59.0	44.8
08:00 PM - 09:00 PM	46.6	71.3	43.9
09:00 PM - 10:00 PM	44.5	54.7	42.5
10:00 PM - 11:00 PM	44.7	63.0	42.4
11:00 PM - 12:00 AM	44.4	72.8	41.1
12:00 AM - 01:00 AM	43.7	72.1	40.2
01:00 AM - 02:00 AM	42.8	51.1	40.4
02:00 AM - 03:00 AM	45.0	67.0	41.3
03:00 AM - 04:00 AM	48.9	72.0	42.1
04:00 AM - 05:00 AM	51.0	73.6	45.7
05:00 AM - 06:00 AM	52.4	72.1	45.2
06:00 AM - 07:00 AM	50.1	64.2	44.9
07:00 AM - 08:00 AM	52.7	71.9	43.6
08:00 AM - 09:00 AM	51.8	67.6	41.8

Leq Average 24 hrs. (dB(A)) 50.7  
Lmax (dB(A)) 76.4  
L90 (dB(A)) 43.9  
Ldn (dB(A)) 55.4  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

TESTING  
No.0042

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

P/O : 2023-1110

Project Name : EIA Monitoring

Project Location :

Lot ID: 2359182

Date Received : Jun 19, 2023

Date Reported : Jun 21, 2023

Report Number: 2690590-1

Page 1 of 1

Sample Number : 2359182-3  
Parameter : Noise (Leq 24 hrs.)  
Location : หมู่ 10 บ้านมาบดอง  
Measurement Date : Jun 12 - Jun 13, 2023  
Measurement by : Chatchai Sukpia  
Sound Level meter : Serial No. 1122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	48.2	67.4	41.6
10:00 AM - 11:00 AM	46.8	63.2	41.6
11:00 AM - 12:00 PM	47.1	67.1	41.9
12:00 PM - 01:00 PM	46.9	70.5	40.9
01:00 PM - 02:00 PM	46.1	60.8	41.2
02:00 PM - 03:00 PM	45.3	64.6	41.0
03:00 PM - 04:00 PM	46.3	63.0	41.4
04:00 PM - 05:00 PM	50.2	75.7	41.8
05:00 PM - 06:00 PM	49.6	73.8	42.3
06:00 PM - 07:00 PM	44.1	69.7	41.7
07:00 PM - 08:00 PM	43.1	57.9	41.2
08:00 PM - 09:00 PM	44.2	62.6	41.9
09:00 PM - 10:00 PM	44.5	60.0	42.0
10:00 PM - 11:00 PM	44.7	55.3	42.3
11:00 PM - 12:00 AM	45.0	72.0	41.8
12:00 AM - 01:00 AM	44.7	52.7	42.2
01:00 AM - 02:00 AM	43.8	52.4	41.6
02:00 AM - 03:00 AM	46.1	59.2	41.8
03:00 AM - 04:00 AM	50.0	69.4	42.4
04:00 AM - 05:00 AM	52.3	71.0	45.5
05:00 AM - 06:00 AM	49.6	74.7	44.4
06:00 AM - 07:00 AM	52.3	70.1	45.0
07:00 AM - 08:00 AM	52.1	76.9	44.3
08:00 AM - 09:00 AM	49.5	64.6	44.3

Leq Average 24 hrs. (dB(A))

48.1

Lmax (dB(A))

76.9

L90 (dB(A))

41.8

Ldn (dB(A))

55.1

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1110  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2359182**  
Date Received : Jun 19, 2023  
Date Reported : Jun 21, 2023  
Report Number: 2690591-1

Page 1 of 1

**Sample Number** 2359182-4  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N1 : หมู่ 10 บ้านมาดลอง  
**Measurement Date** Jun 13 - Jun 14, 2023  
**Measurement by** Chatchai Sukpia  
**Sound Level meter** Serial No. 1122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	50.8	68.5	44.6
10:00 AM - 11:00 AM	48.3	61.3	42.8
11:00 AM - 12:00 PM	48.8	67.7	42.8
12:00 PM - 01:00 PM	48.7	75.2	42.2
01:00 PM - 02:00 PM	46.4	66.6	42.2
02:00 PM - 03:00 PM	47.5	72.0	41.8
03:00 PM - 04:00 PM	58.4	91.6	44.1
04:00 PM - 05:00 PM	50.0	74.4	43.5
05:00 PM - 06:00 PM	47.7	73.9	41.0
06:00 PM - 07:00 PM	49.5	74.0	40.1
07:00 PM - 08:00 PM	46.0	56.1	41.7
08:00 PM - 09:00 PM	47.1	65.6	43.6
09:00 PM - 10:00 PM	45.5	54.4	42.1
10:00 PM - 11:00 PM	44.7	55.1	41.2
11:00 PM - 12:00 AM	45.7	58.5	40.8
12:00 AM - 01:00 AM	43.6	55.2	41.0
01:00 AM - 02:00 AM	43.3	54.8	40.3
02:00 AM - 03:00 AM	45.8	68.8	40.6
03:00 AM - 04:00 AM	48.8	69.7	41.9
04:00 AM - 05:00 AM	52.4	73.2	45.0
05:00 AM - 06:00 AM	52.7	84.8	45.2
06:00 AM - 07:00 AM	50.0	65.1	45.5
07:00 AM - 08:00 AM	49.1	69.1	43.1
08:00 AM - 09:00 AM	47.9	71.9	42.5

Leq Average 24 hrs. (dB(A))

49.9

Lmax (dB(A))

91.6

L90 (dB(A))

42.2

Ldn (dB(A))

55.5

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1110

**Project Name :** EIA Monitoring

**Project Location :**

**Lot ID: 2359182**

Date Received : Jun 19, 2023

Date Reported : Jun 21, 2023

Report Number: 2690592-1

Page 1 of 1

**Sample Number** 2359182-5  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N1 : หมู่ 10 บ้านมาบดอง  
**Measurement Date** Jun 14 - Jun 15, 2023  
**Measurement by** Chatchai Sukpia  
**Sound Level meter** Serial No. 1122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	48.0	77.0	41.5
10:00 AM - 11:00 AM	47.9	68.1	42.1
11:00 AM - 12:00 PM	49.9	75.1	42.1
12:00 PM - 01:00 PM	46.6	70.7	41.0
01:00 PM - 02:00 PM	45.7	66.5	41.5
02:00 PM - 03:00 PM	53.4	83.2	41.2
03:00 PM - 04:00 PM	50.9	78.8	41.1
04:00 PM - 05:00 PM	44.8	76.3	41.1
05:00 PM - 06:00 PM	48.1	72.7	40.6
06:00 PM - 07:00 PM	46.4	73.1	40.3
07:00 PM - 08:00 PM	43.0	62.3	41.3
08:00 PM - 09:00 PM	43.5	52.0	41.2
09:00 PM - 10:00 PM	44.2	69.2	41.4
10:00 PM - 11:00 PM	44.1	74.0	40.8
11:00 PM - 12:00 AM	42.9	56.1	40.8
12:00 AM - 01:00 AM	42.9	63.4	40.4
01:00 AM - 02:00 AM	50.9	76.4	40.1
02:00 AM - 03:00 AM	47.6	74.6	36.3
03:00 AM - 04:00 AM	49.3	72.8	37.1
04:00 AM - 05:00 AM	52.0	72.8	43.2
05:00 AM - 06:00 AM	48.8	69.9	42.5
06:00 AM - 07:00 AM	50.9	75.3	42.3
07:00 AM - 08:00 AM	53.4	71.7	42.7
08:00 AM - 09:00 AM	50.4	67.3	41.4

Leq Average 24 hrs. (dB(A))

48.9

Lmax (dB(A))

83.2

L90 (dB(A))

41.2

Ldn (dB(A))

55.3

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

TESTING

No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1110

**Project Name :** EIA Monitoring

**Project Location :**

**Lot ID: 2359182**

Date Received : Jun 19, 2023

Date Reported : Jun 21, 2023

Report Number: 2690593-1

Page 1 of 1

**Sample Number** 2359182-6  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N1 : หมู่ 10 บ้านมาบดอง  
**Measurement Date** Jun 15 - Jun 16, 2023  
**Measurement by** Chatchai Sukpia  
**Sound Level meter** Serial No. 1122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	48.2	70.4	39.9
10:00 AM - 11:00 AM	46.2	63.5	40.6
11:00 AM - 12:00 PM	48.0	70.6	39.5
12:00 PM - 01:00 PM	46.5	58.6	37.4
01:00 PM - 02:00 PM	49.3	68.3	38.7
02:00 PM - 03:00 PM	47.5	61.7	40.1
03:00 PM - 04:00 PM	46.1	68.1	42.0
04:00 PM - 05:00 PM	49.7	74.7	42.3
05:00 PM - 06:00 PM	51.8	81.9	42.3
06:00 PM - 07:00 PM	48.5	75.5	42.2
07:00 PM - 08:00 PM	45.0	70.9	41.8
08:00 PM - 09:00 PM	46.6	58.9	43.5
09:00 PM - 10:00 PM	47.1	60.0	44.2
10:00 PM - 11:00 PM	44.9	56.7	42.8
11:00 PM - 12:00 AM	44.9	63.1	42.9
12:00 AM - 01:00 AM	44.1	54.2	41.3
01:00 AM - 02:00 AM	44.4	57.3	41.3
02:00 AM - 03:00 AM	45.0	73.5	41.1
03:00 AM - 04:00 AM	49.1	76.2	42.9
04:00 AM - 05:00 AM	51.0	74.2	44.9
05:00 AM - 06:00 AM	50.4	70.5	44.9
06:00 AM - 07:00 AM	53.5	67.9	45.6
07:00 AM - 08:00 AM	47.7	65.5	40.9
08:00 AM - 09:00 AM	50.3	73.1	42.3

Leq Average 24 hrs. (dB(A))

48.5

Lmax (dB(A))

81.9

L90 (dB(A))

42.0

Ldn (dB(A))

55.2

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

TESTING  
No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1110

**Project Name :** EIA Monitoring

**Project Location :**

**Lot ID: 2359182**

Date Received : Jun 19, 2023

Date Reported : Jun 21, 2023

Report Number: 2690594-1

Page 1 of 1

**Sample Number** 2359182-7  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N1 : หมู่ 10 บ้านมาบตอง  
**Measurement Date** Jun 16 - Jun 17, 2023  
**Measurement by** Chatchai Sukpia  
**Sound Level meter** Serial No. 1122579

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	47.3	72.9	42.3
10:00 AM - 11:00 AM	48.2	66.7	43.1
11:00 AM - 12:00 PM	47.6	63.4	43.3
12:00 PM - 01:00 PM	48.9	66.2	44.4
01:00 PM - 02:00 PM	47.8	70.0	43.5
02:00 PM - 03:00 PM	54.2	87.7	44.3
03:00 PM - 04:00 PM	48.2	75.6	44.4
04:00 PM - 05:00 PM	53.1	85.6	42.5
05:00 PM - 06:00 PM	46.1	68.6	41.2
06:00 PM - 07:00 PM	48.0	79.3	42.0
07:00 PM - 08:00 PM	43.1	64.5	41.5
08:00 PM - 09:00 PM	45.7	67.1	42.5
09:00 PM - 10:00 PM	50.2	78.9	44.7
10:00 PM - 11:00 PM	46.4	54.8	44.2
11:00 PM - 12:00 AM	48.0	68.8	45.2
12:00 AM - 01:00 AM	48.3	65.5	46.1
01:00 AM - 02:00 AM	43.6	57.1	41.6
02:00 AM - 03:00 AM	50.9	76.2	41.6
03:00 AM - 04:00 AM	49.8	72.4	42.8
04:00 AM - 05:00 AM	54.2	87.9	44.6
05:00 AM - 06:00 AM	49.1	70.7	44.9
06:00 AM - 07:00 AM	48.5	61.7	43.2
07:00 AM - 08:00 AM	50.6	63.1	43.3
08:00 AM - 09:00 AM	49.1	62.3	43.8

Leq Average 24 hrs. (dB(A))

49.5

Lmax (dB(A))

87.9

L90 (dB(A))

43.3

Ldn (dB(A))

56.0

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

## ระดับเสียงในบริเวณทำงาน

---





## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2359136**

Date Received : May 30, 2023

Date Reported : Jun 02, 2023

Report Number: 2671687-1

Page 1 of 1

**Sample Number** 2359136-1  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Gas Turbine Generator  
**Measurement Date** May 29, 2023  
**Measurement by** Jaradrawee Sriruksa

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:40 AM - 11:40 AM	82.7	83.8	82.4
11:40 AM - 12:40 PM	83.5	84.5	83.3
12:40 PM - 01:40 PM	83.1	89.5	82.8
01:40 PM - 02:40 PM	82.9	84.6	82.3
02:40 PM - 03:40 PM	82.6	85.4	82.4
03:40 PM - 04:40 PM	82.6	83.4	82.4
04:40 PM - 05:40 PM	82.7	83.3	82.6
05:40 PM - 06:40 PM	82.8	83.6	82.6
Leq Average 8 hrs. (dB(A))	82.9		
Lmax (dB(A))		89.5	
Standard (dB(A))	90	140	
Reference Method : ISO1996-1 and 1996-2			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖			

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2370877**

Date Received : Jun 20, 2023  
Date Reported : Jun 26, 2023  
Report Number: 2693779-1

Page 1 of 1

**Sample Number** 2370877-1  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Gas Turbine Generator  
**Measurement Date** Jun 20, 2023  
**Measurement by** Satcha Phetsawaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:26 AM - 10:26 AM	82.0	84.0	81.2
10:26 AM - 11:26 AM	82.9	86.2	82.7
11:26 AM - 12:26 PM	83.1	84.7	82.6
12:26 PM - 01:26 PM	83.2	84.6	82.6
01:26 PM - 02:26 PM	82.6	83.2	82.5
02:26 PM - 03:26 PM	83.3	98.5	82.5
03:26 PM - 04:26 PM	82.7	89.2	82.5
04:26 PM - 05:26 PM	82.7	83.3	82.5
Leq Average 8 hrs. (dB(A))	82.8		
Lmax (dB(A))		98.5	
Standard (dB(A))	90	140	
Reference Method : ISO1996-1 and 1996-2			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖			

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2359136**  
Date Received : May 30, 2023  
Date Reported : Jun 02, 2023  
Report Number: 2671688-1

Page 1 of 1

**Sample Number** 2359136-2  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Air Compressor  
**Measurement Date** May 29, 2023  
**Measurement by** Jaradrawee Sriruksa

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:50 AM - 11:50 AM	80.1	85.8	79.5
11:50 AM - 12:50 PM	81.5	85.3	80.0
12:50 PM - 01:50 PM	82.3	92.6	79.9
01:50 PM - 02:50 PM	84.6	89.7	80.7
02:50 PM - 03:50 PM	82.6	95.6	81.0
03:50 PM - 04:50 PM	82.0	84.3	80.9
04:50 PM - 05:50 PM	82.0	84.1	80.9
05:50 PM - 06:50 PM	82.0	84.2	80.8
Leq Average 8 hrs. (dB(A))	82.3		
Lmax (dB(A))		95.6	
Standard (dB(A))	90	140	
Reference Method : ISO1996-1 and 1996-2			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1047

**Project Name :** EIA Monitoring

**Project Location :**

**Lot ID: 2370877**

Date Received : Jun 20, 2023

Date Reported : Jun 26, 2023

Report Number: 2693780-1

Page 1 of 1

**Sample Number** 2370877-2  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Air Compressor  
**Measurement Date** Jun 20, 2023  
**Measurement by** Satcha Phetsawaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:21 AM - 10:21 AM	80.1	85.0	78.8
10:21 AM - 11:21 AM	79.6	83.4	78.8
11:21 AM - 12:21 PM	79.4	83.5	78.7
12:21 PM - 01:21 PM	79.1	82.6	78.5
01:21 PM - 02:21 PM	78.9	82.2	78.4
02:21 PM - 03:21 PM	82.5	103.1	78.4
03:21 PM - 04:21 PM	79.3	92.7	78.5
04:21 PM - 05:21 PM	79.5	83.1	78.7

Leq Average 8 hrs. (dB(A))

80.0

Lmax (dB(A))

103.1

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖

**Technical Management**

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

**Approved by**

*Supot S.*

Supot Salamteh  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2359136**  
Date Received : May 30, 2023  
Date Reported : Jun 02, 2023  
Report Number: 2671689-1

Page 1 of 1

**Sample Number** 2359136-3  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Steam Turbine Generator  
**Measurement Date** May 29, 2023  
**Measurement by** Jaradrawee Sriuksa

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:38 AM - 11:38 AM	80.4	81.5	80.2
11:38 AM - 12:38 PM	80.4	81.4	80.2
12:38 PM - 01:38 PM	80.6	91.3	80.3
01:38 PM - 02:38 PM	85.6	95.3	80.9
02:38 PM - 03:38 PM	81.5	86.6	80.9
03:38 PM - 04:38 PM	80.9	82.0	80.7
04:38 PM - 05:38 PM	80.9	81.8	80.7
05:38 PM - 06:38 PM	80.9	81.8	80.7
Leq Average 8 hrs. (dB(A))	81.8		
Lmax (dB(A))		95.3	
Standard (dB(A))	90	140	
Reference Method : ISO1996-1 and 1996-2			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖			

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER



## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :** 2023-1047

**Project Name :** EIA Monitoring

**Project Location :**

**Lot ID: 2370877**

Date Received : Jun 20, 2023

Date Reported : Jun 26, 2023

Report Number: 2693781-1

Page 1 of 1

**Sample Number** 2370877-3  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Steam Turbine Generator  
**Measurement Date** Jun 20, 2023  
**Measurement by** Satcha Phetsawaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:54 AM - 09:54 AM	81.3	82.7	81.1
09:54 AM - 10:54 AM	81.7	82.9	81.4
10:54 AM - 11:54 AM	81.4	82.4	81.2
11:54 AM - 12:54 PM	81.3	82.2	81.1
12:54 PM - 01:54 PM	81.2	82.1	81.1
01:54 PM - 02:54 PM	81.2	82.2	81.1
02:54 PM - 03:54 PM	84.2	103.5	81.1
03:54 PM - 04:54 PM	81.4	82.5	81.2

Leq Average 8 hrs. (dB(A))

81.8

Lmax (dB(A))

103.5

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

**Technical Management**

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

**Approved by**

*Supot S.*

Supot Salamteh  
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER



## Noise Contour Map

---





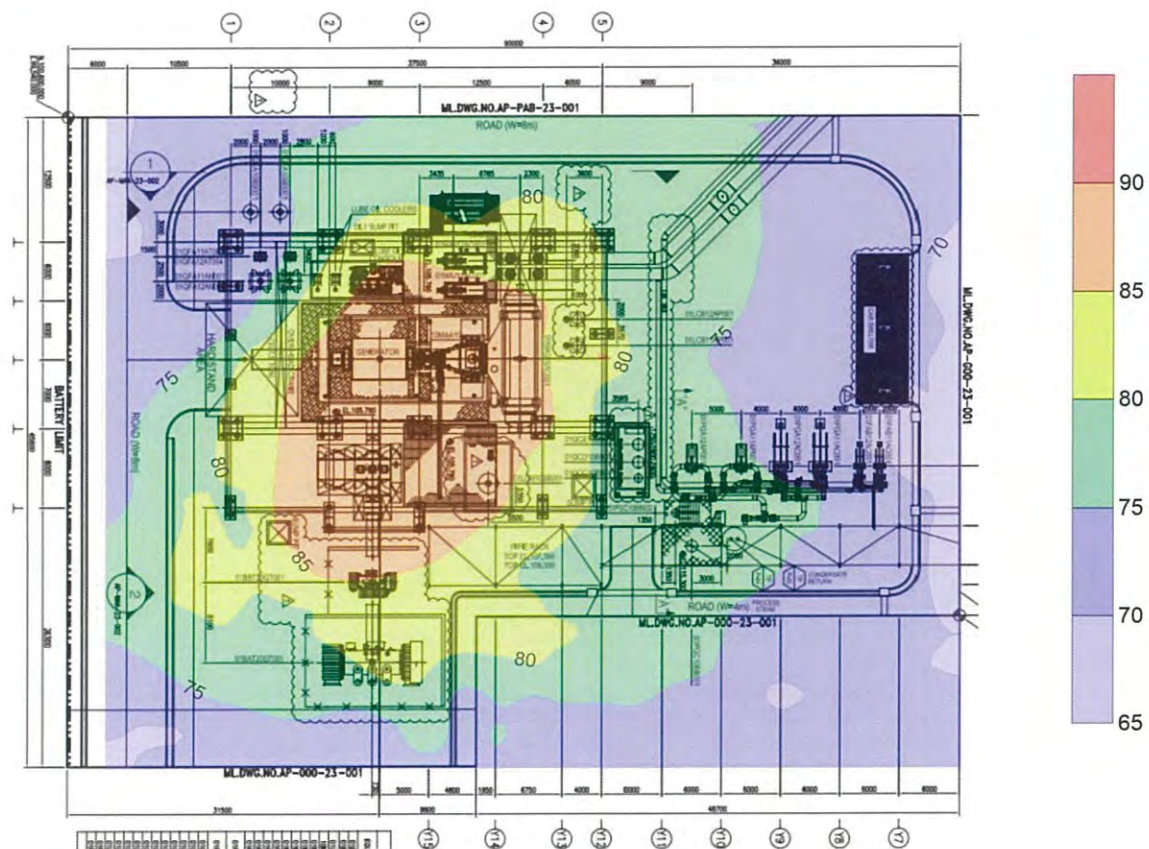
# Noise Contour Map

General Electric International Operations Company Inc.

(Steam Turbine Area ชั้น 1 ตรวจวัดแบบปกติ)

Reference Number : Lot 2359155-1

Measurement Date : May 30, 2023



ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Suan Luang, Khet Suan Luang, Bangkok 10250, Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197  
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company





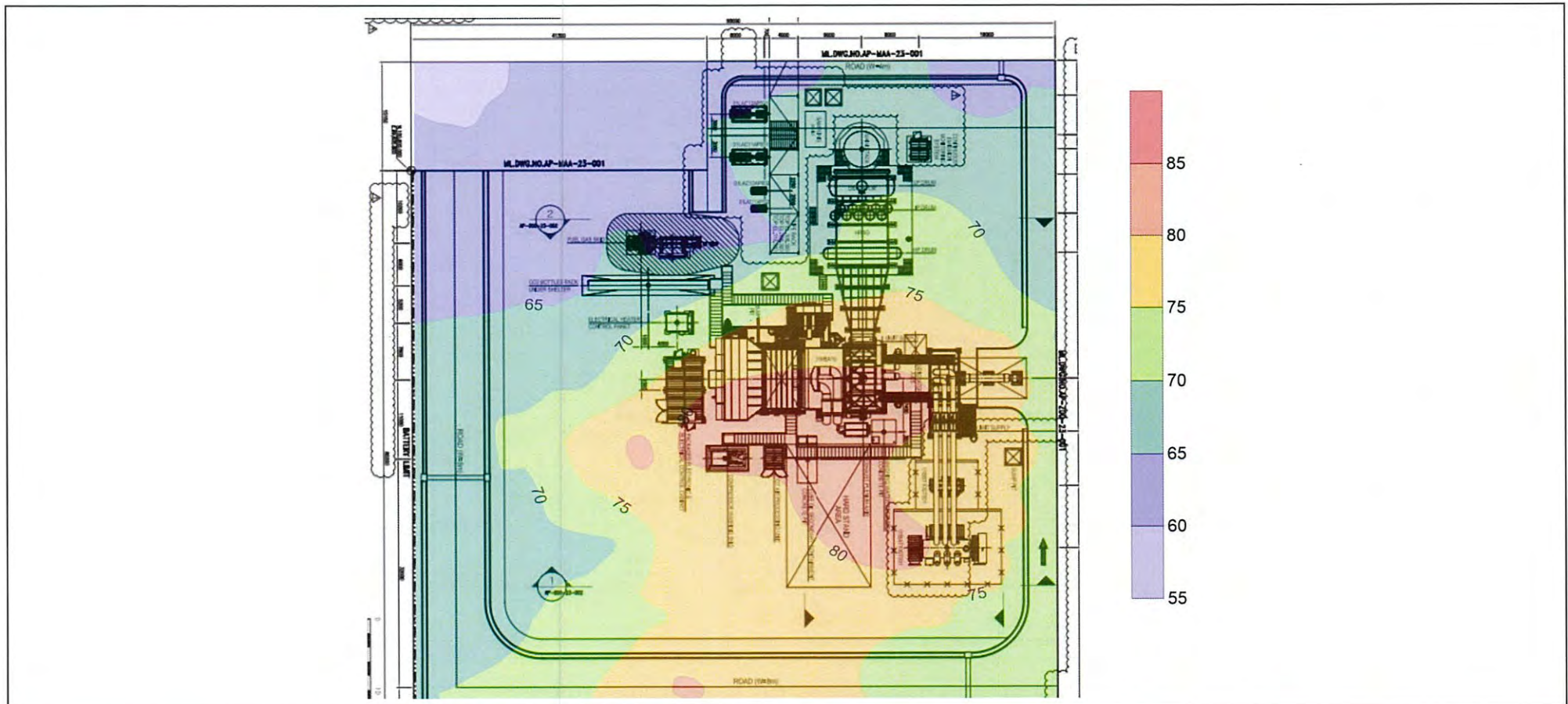
# Noise Contour Map

General Electric International Operations Company Inc.

(Gas Turbine Area and HRSG Area ตรวจวัดแบบปกติ)

Reference Number : Lot 2359158-1

Measurement Date : May 30, 2023



ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Suan Luang, Khet Suan Luang, Bangkok 10250, Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER



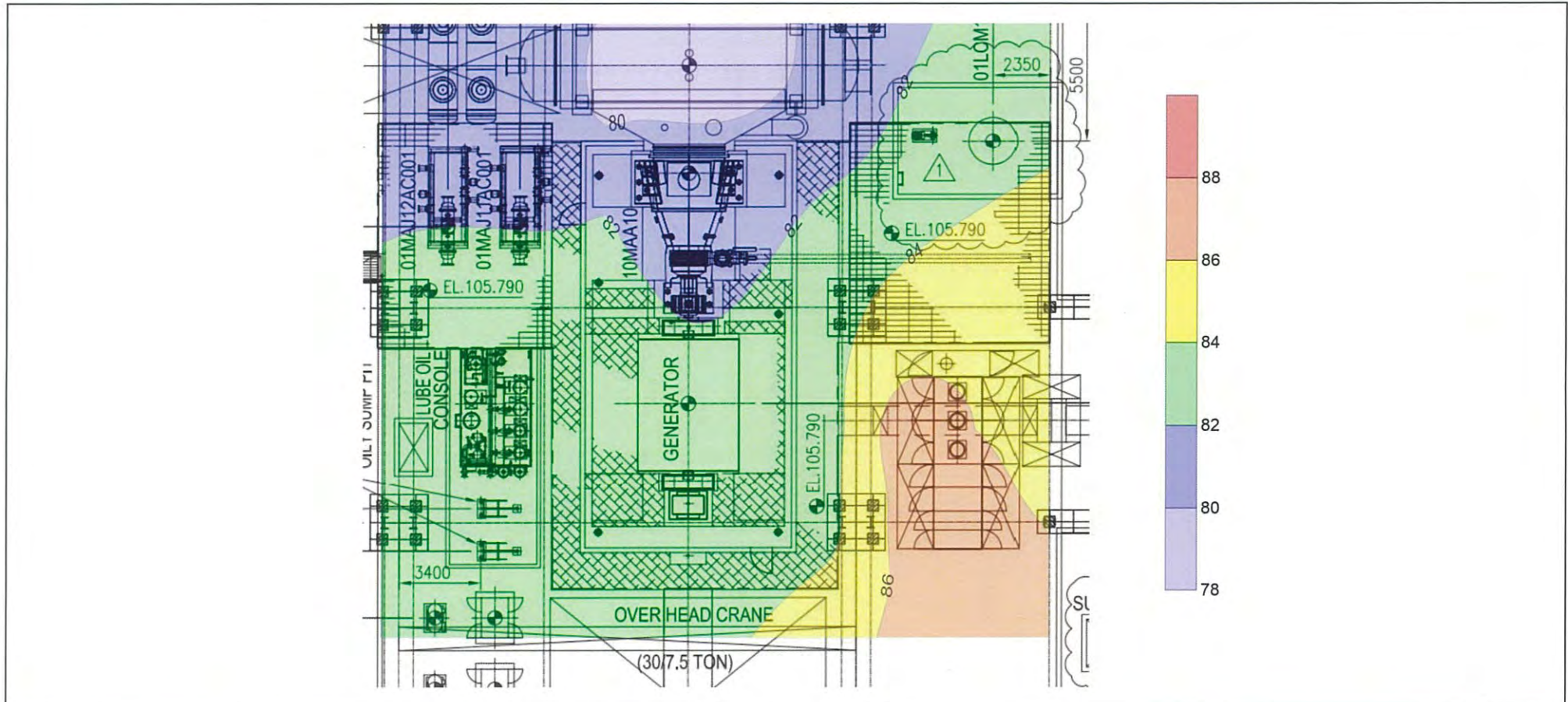
# Noise Contour Map

General Electric International Operations Company Inc.

(Stream Turbine Area ชั้น 2 ตรวจวัดแบบปกติ)

Reference Number : Lot 2359159-1

Measurement Date : May 30, 2023



ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Suan Luang, Khet Suan Luang, Bangkok 10250, Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER





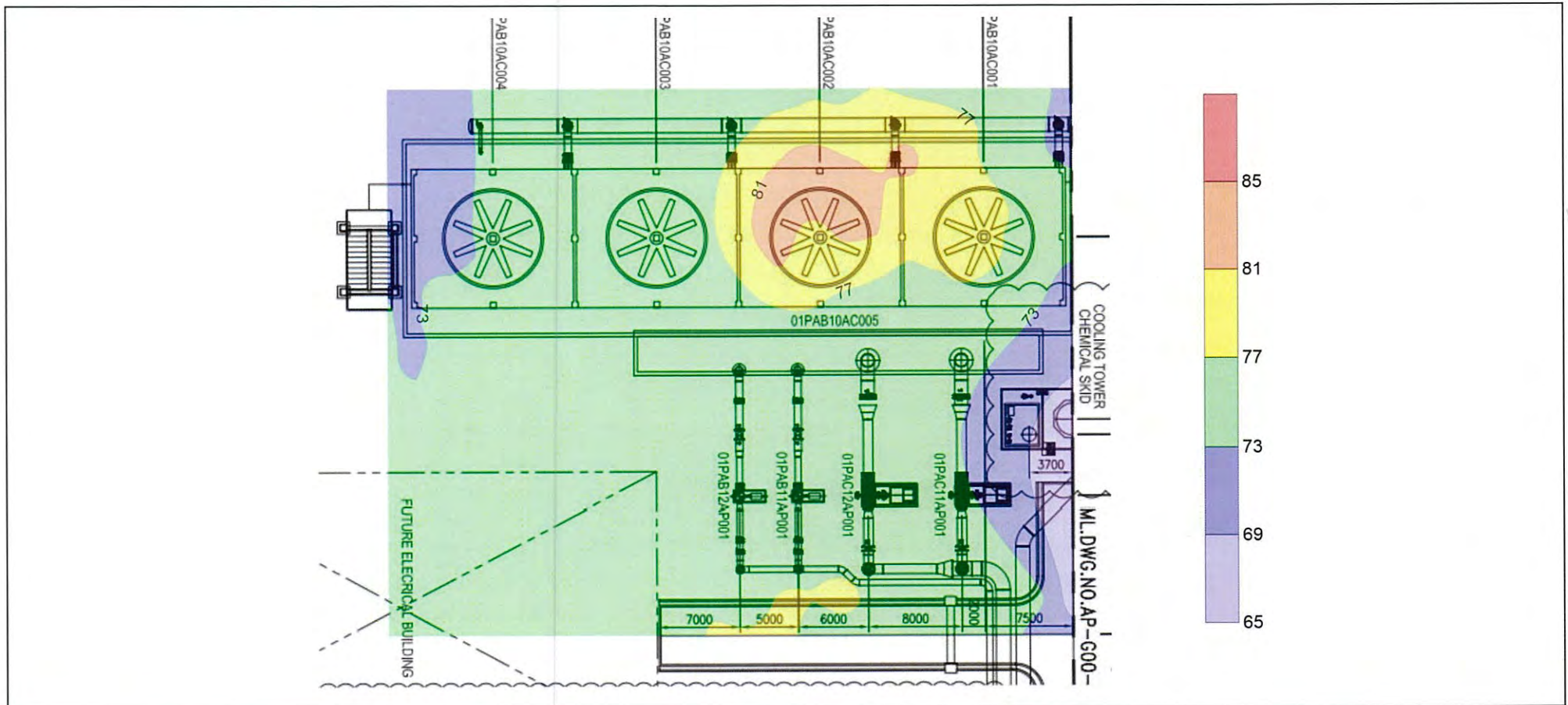
# Noise Contour Map

General Electric International Operations Company Inc.

(Cooling Tower Area ตรวจวัดแบบปกติ)

Reference Number : Lot 2359160-1

Measurement Date : May 30, 2023



ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Suan Luang, Khet Suan Luang, Bangkok 10250, Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER



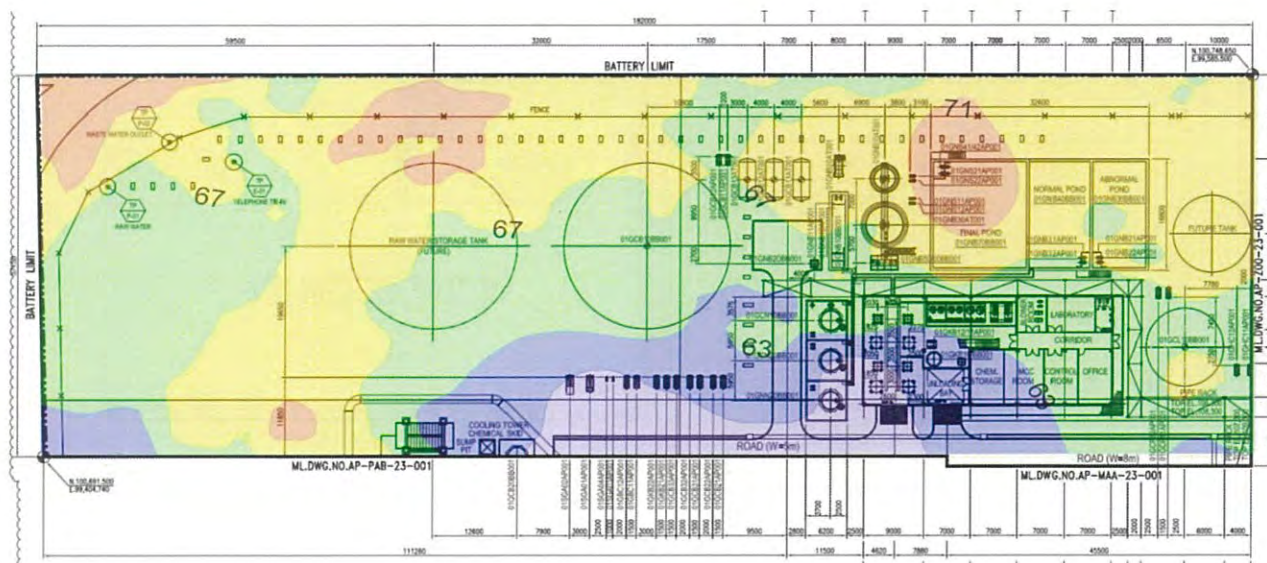
# Noise Contour Map

General Electric International Operations Company Inc.

Reference Number : Lot 2359161-1

Measurement Date : May 30, 2023

(Water Treatment Plant ตรวจวัดแบบปกติ)



ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Suan Luang, Khet Suan Luang, Bangkok 10250, Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER





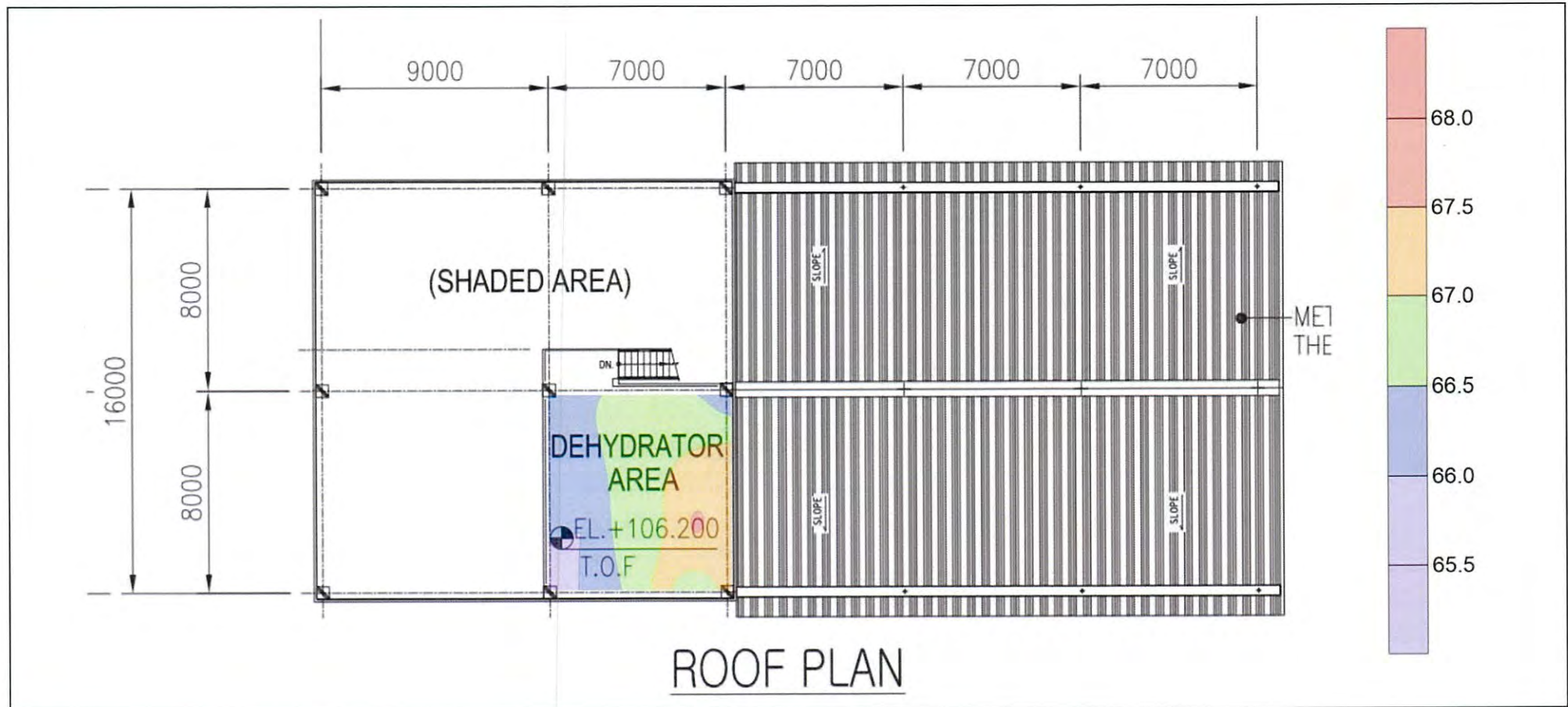
# Noise Contour Map

General Electric International Operations Company Inc.

(Water Treatment Plant-2nd Floor ตรวจวัดแบบปกติ)

Reference Number : Lot 2359162-1

Measurement Date : May 30, 2023



ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Suan Luang, Khet Suan Luang, Bangkok 10250, Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER

คุณภาพน้ำใต้ดิน

---





## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120

**P/O :**

**Project Name :**

**Project Location:**

**TESTING**

**No.0042**

**Lot ID: 2322545**

Date Received : May 18, 2023

Date Reported : May 23, 2023

Report Number : 2582123-1 C1

Page 1 of 1

**Sample Number** 2322545-1  
**Sampled Date** May 18, 2023 3:50 PM  
**Sample Description** Ground Water  
**Location** GW1 : บริเวณริมถนนของสวนอุตสาหกรรมฯ ทางทิศตะวันตกเฉียงเหนือของโครงการ  
**Date Analysis Commenced** May 18, 2023  
**Condition of Sample** Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Conductivity at 25 Degree C *	micromhos/cm	-	0.5	968	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Rayong
pH at 25 degree C *		-	-	6.0	6.5-9.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	596	≤1200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	1004	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong
Water Level *	m	-	-	5.35	No Standard	Water Level Meter	Bangkok

**Guideline :** Groundwater Quality Standards for Drinking Purposes set by Notification of Ministry of Natural Resources and Environment B.E. 2551, Maximum allowable.

**Sampled By :** Narunat thammasaro

**Remark :**

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

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

18309-21/ EMAIL



## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2322544**

Date Received : May 18, 2023  
Date Reported : May 23, 2023  
Report Number : 2582157-1

Page 1 of 1

**Sample Number** 2322544-1  
**Sampled Date** May 18, 2023 1:55 PM  
**Sample Description** Groundwater  
**Location** GW2 : รีมรั่วโครงการระยะที่ 1 ทางทิศใต้  
**Date Analysis Commenced** May 18, 2023  
**Condition of Sample** Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
pH at 25 degree C		-	-	4.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong

**Sampling By :** Narunat thammassaro ทะเบียนเลขที่ ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที่ ว-204-จ-8600

Remark :

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

Technical Management

*N. Banchongkit*

Narumon Banchongkit  
Supervisor  
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ว-323-ค-9442

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER





## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2023-1047  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2322544**

Date Received : May 18, 2023  
Date Reported : May 23, 2023  
Report Number : 2582157-2

Page 1 of 1

**Sample Number** 2322544-1  
**Sampled Date** May 18, 2023 1:55 PM  
**Sample Description** Groundwater  
**Location** GW2 : รีมรั้วโครงการระยะที่ 1 ทางทิศใต้  
**Date Analysis Commenced** May 19, 2023  
**Condition of Sample** Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
Conductivity at 25 Degree C	micromhos/cm	-	0.5	208	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	112	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	49	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong
Water Level	m	-	-	1.91	Water Level Meter	Bangkok

**Sampling By :** Narunat thammasaro , Panupong Manit

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

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER