

# ภาคผนวก ค

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ผลการตรวจวัดคุณภาพสิ่งแวดล้อม

คุณภาพอากาศจากแหล่งกำเนิด

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## Analysis / Test Report

**Client** : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O** : 2024-1022  
**Project Name** : EIA Monitoring  
**Project Location** :

**Lot ID: 245410**  
Date Received : Mar 04, 2024  
Date Reported : Jun 27, 2024  
Report Number : 2886122-1 Rev. No.1

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**Sample Number** : 245410-1  
**Sample Description** : Emission from Stationary Source  
**Location** : HRSG #1  
**Measurement Date** : Mar 02, 2024

### Stack Description

Ambient Temperature	30	°C	Diameter	5.00	m	Oxygen	14.43	%
Ambient Pressure	756	mmHg	Shape	Circle		Carbon dioxide	3.93	%
Type of Process	Combustion		Stack Temperature	136	°C	Gas Velocity	27.66	m/s
Type of Fuel	Natural Gas		Moisture	8.13	%	Flow Rate	1301894	Nm3/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	09:50 AM - 10:10 AM	14.43	3.94	0.67	1.44	4.32	9.27
2	10:11 AM - 10:31 AM	14.42	3.93	0.57	1.22	3.62	7.78
3	10:32 AM - 10:52 AM	14.42	3.93	0.50	1.08	2.85	6.11
Average (ppm)		14.43	3.93	0.58	1.25	3.59	7.72
Guideline <sup>1/</sup> (ppm)				-	15	-	-
Guideline <sup>2/</sup> (ppm)				-	20	-	-
Guideline <sup>3/</sup> (ppm)				-	-	-	690
Result (mg/Nm <sup>3</sup> )				1.52	3.26	4.12	8.84
Emission Rate at Actual O <sub>2</sub> (g/s)				0.5497		1.4887	
Guideline <sup>1/</sup> (g/s)				6.56		-	
Method				US EPA Method 6C		US EPA Method 10	

**Sampled By** : Sathapron Thakarnw

**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

: This Analysis test report is reissued to supersede report No.2886122-1, Date Reported : Mar 12, 2024 due to revise accreditation information.

**Technical Management**

Wichan Choonharat  
Manager  
ทะเบียนเลขที่ ร-204-ก-0006

**Approved by**

Sarayuth Jitranont  
Assistant General Manager  
ทะเบียนเลขที่ ร-204-ก-0003

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## Analysis / Test Report

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Ambient Pressure	756	mmHg	Shape	Circle		Carbon dioxide	3.93	%
Type of Process	Combustion		Stack Temperature	136	°C	Gas Velocity	27.66	m/s
Type of Fuel	Natural Gas		Moisture	8.13	%	Flow Rate	1301894	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	09:50 AM - 10:10 AM	14.43	3.94	6.89	14.82
2	10:11 AM - 10:31 AM	14.42	3.93	6.94	14.90
3	10:32 AM - 10:52 AM	14.42	3.93	6.95	14.92
Average (ppm)		14.43	3.93	6.93	14.88
Guideline <sup>1/</sup> (ppm)				-	60
Guideline <sup>2/</sup> (ppm)				-	120
Result (mg/Nm <sup>3</sup> )				13.04	27.99
Emission Rate at Actual O <sub>2</sub> (g/s)				4.7148	
Guideline <sup>1/</sup> (g/s)				18.87	
Method				US EPA Method 7E	

**Sampled By** : Sathapron Thakarnw

**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

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**Technical Management**

Wichan Choonharat  
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## 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 :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 245412**  
Date Received : Mar 02, 2024  
Date Reported : Mar 08, 2024  
Report Number: 2886124-1

Page 1 of 2

**Sample Number** 245412-1  
**Sampled Date** Mar 02, 2024  
**Sample Description** Emission from Stationary Source  
**Location** HRSG #1  
**Date Analysis Commenced** Mar 04, 2024  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish and one plastic bottle

### Stack Description

Ambient Pressure	756	mmHg	Diameter	5.00	m	Oxygen	14.4	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	3.9	%
Type of Process	Combustion		Stack Temperature	136	°C	Gas Velocity	27.8	m/s
Type of Fuel	Natural Gas		Moisture	8.14	%	Flow Rate (Actual O2)	1307824	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	09:50 AM - 10:44 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

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Approved by

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Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.  
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## 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 :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 245412**  
Date Received : Mar 02, 2024  
Date Reported : Mar 08, 2024  
Report Number: 2886124-1

Page 2 of 2

**Sample Number** 245412-1  
**Sampled Date** Mar 02, 2024  
**Sample Description** Emission from Stationary Source  
**Location** HRSG #1  
**Date Analysis Commenced** Mar 04, 2024  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish and one plastic bottle

### Stack Description

Ambient Pressure	756	mmHg	Diameter	5.00	m	Oxygen	14.4	%
Ambient Temperature	30.0	°C	Shape	Circle		Carbon Dioxide	3.9	%
Type of Process	Combustion		Stack Temperature	136	°C	Gas Velocity	27.8	m/s
Type of Fuel	Natural Gas		Moisture	8.14	%	Flow Rate (Actual O2)	1307824	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 *	09:50 AM - 10:44 AM	g/s	-	-	<0.182	-	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 :** Sutdamrong Chokpitinan

**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

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## System Audit

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# CEMs System Audit

Date: October 25, 2023 Author: Apisit Singha

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## CEMS System Audit Inspection Sheet

รายละเอียดโครงการ (Plant Information) Lot ID .....

ชื่อโครงการ (Project Name)	Siam Power Generation Co, Ltd.
ที่ตั้ง (Location)	55/1 หมู่ 5 ต.หนองละลอก อ.บ้านค่าย จ.ระยอง
ชื่อปล่อง (Stack name)	HRS-G-1
วันที่ตรวจสอบ (Inspection Date)	October 25, 2023
เจ้าหน้าที่ประจำโครงการ (Plant Operation Name )	-
เจ้าของโครงการ (Project Owner Name)	General Electric International Operations Company Inc.
เจ้าหน้าที่ตรวจสอบ (ALS Inspector Name)	Apisit Sing-ha

CEMs System Audit

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รายละเอียดของ CEMS (CEMs System Information)

Parameter	Analyzer Brand	Model	Serial No.	Range	System Type*	Sample Condition**	Sampling Technique*/	Unit
NO <sub>x</sub>	EMERSON	MLT4 T-RUV IR IREQ2	454902329210	0-200	D	C	E	ppm
CO				0-100	D	C	E	ppm
O <sub>2</sub>				0-25	D	C	E	%
Flow Meter	DUPAG	D-FL 100-20	1306811	0-3,000,000	D	W	I	m <sup>3</sup> /hrs.
Pressure Meter				900-1100	D	W	I	mbar
Temperature Meter				0-250	D	W	I	Degree C

\* (Direct system = D, Dilution system = DI) . \*\* (Hot-Wet = W, Cool-Dry = C)

\*/ (Direct Extractive = E, In-situ = I)

คำจำกัดความ

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### # ตำแหน่งติดตั้ง เครื่องตรวจวัด (Analyzer)

What to Check	Observations
ความสูงปล่อง	35.0 m by Drawing
ตำแหน่งติดตั้งเครื่องตรวจวัด (Analyzer)	
Gas Analyzer	Near stack on ground floor
Flow Analyzer	on stack floor
การเข้าถึง (Accessibility) ตำแหน่งเครื่อง CEMs	เข้าถึงได้โดย walk wayและบันไดเป็น
สะดวกในการบำรุงรักษาเครื่องตรวจวัด (Analyzer)	สะดวกในการดำเนินการ

### # Probe and Probe Location Checks

What to Check	Observations
การเข้าถึง (Accessibility) ตำแหน่ง Probe CEMs	walk wayและบันไดเป็น
ชนิดของ Probe กับตัวอย่าง	SS 316 Heated sampling Probe
ระยะความสูงของจุดติดตั้ง Probe เป็นไปตามข้อกำหนดหรือไม่	32.4 m by Drawing from Mechanical_12_DM-HNE-04-001_Arrangement Drawing of Main Stack_Rev2021 (MOC2020)
ระยะจากปลาย Probe อยู่ห่างจากผนังของปล่อง มากกว่า 1 เมตร	1.5 m from stack wall by Drawing Refer 2.4.30 Equipment Detail list

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# Source Level Extractive Systems

What to Check	Observations
ตรวจสอบว่ามีหยดน้ำบริเวณท่อเข้าตัวอย่างที่เข้าสู่ห้องระบบหรือไม่	พบหยดน้ำในสายนำ ตัวอย่างที่เข้าสู่ระบบปรับสภาพอากาศ ที่อาจมีผลต่อความถูกต้องในการตรวจวัด
ระบบอากาศแห้ง (Air Dry System) มีการบันทึกค่าอุณหภูมิหรือไม่ และมีการกำหนดช่วงอุณหภูมิ ตาม QA/QC Plan และทำการตรวจสอบอุณหภูมิหรือไม่	มีการจดบันทึกอุณหภูมิ ว่าเป็นไปตามเกณฑ์การยอมรับความใช้ได้ของระบบอากาศแห้งที่ระบุไว้ใน GPFM-7.1.5-03-OM-SIPCO-003_CEMS Online Calibration Form

# Flow Monitors

What to Check	Observations
มีการทดสอบ Flow Monitors ให้เป็นไปตาม QA/QC Plan หรือไม่	ปัจจุบันยังไม่มีแผนการดำเนินการในปี 2565 เนื่องจากมีการปรับเปลี่ยนอุปกรณ์ตรวจวัดในปี 2566 ตามข้อบังคับตามกฎหมาย และกำหนดมีแผนจะดำเนินการทดสอบในช่วง ปี 2567
มีการเปลี่ยนอุปกรณ์ หรือ Filters ตามข้อกำหนดใน QA/QC Plan หรือไม่	ไม่พบการกำหนดหรือการแสดงการดำเนินการที่เกี่ยวข้อง
มีการทำ QA/QC temperature และ stack pressure สำหรับแปลงค่า flow monitor ตาม QA/QC Plan หรือไม่	ปัจจุบันยังไม่มีแผนการดำเนินการในปี 2565 เนื่องจากมีการปรับเปลี่ยนอุปกรณ์ตรวจวัดในปี 2566 ตามข้อบังคับตามกฎหมาย และกำหนดมีแผนจะดำเนินการทดสอบในช่วง ปี 2567



มีการทดสอบ Factor ในการแปลงค่า flow monitor หรือไม่	ไม่พบการกำหนดหรือการแสดงการดำเนินการที่เกี่ยวข้อง
เมื่อระบบมีปัญหา มีการแสดงสัญญาณเตือน หรือไฟเตือนหรือไม่	ไม่พบการแสดงการเตือนปัญหาที่เกี่ยวข้อง

# Analyzer

What to Check	Observations
มีการปรับเปลี่ยน (เชื้อเพลิง ระบบบำบัด ก๊าซการผลิต หรืออื่นๆ) ของแหล่งกำเนิดในการตรวจวัดหรือไม่	ไม่มีการเปลี่ยนแปลงเชื้อเพลิง แต่มีการปรับกำลังการผลิตตามความต้องการของลูกค้า
เมื่อระบบมีปัญหา มีการแสดงสัญญาณเตือน หรือไฟเตือน และการอธิบายความหมายของสัญญาณเตือน หรือไฟเตือนหรือไม่	มีการแจ้งเตือนที่ระบบในDCS รวมถึงมีการบันทึกการแจ้งเตือนไว้ในระบบ Data locker ของระบบ CEMS ตาม Design ตั้งแต่วินิจฉัยเครื่องผลิตไฟฟ้า
ตรวจสอบช่วงการตรวจวัด (Range) ว่าเป็นไปตามข้อกำหนด หรือไม่	ไม่มีการปรับเปลี่ยน เป็นไปตามข้อกำหนดตามEIAและข้อบังคับตามกฎหมาย Refer to GPWI-7.1.5-03-OM-SIPCO-001_Measuring Equipment and Calibration
ตรวจสอบอัตราการดึงตัวอย่าง (Sampling Flow) เป็นไปตามข้อกำหนดหรือไม่	มีการตรวจสอบตามวงรอบการตรวจสอบการทำงานของระบบ CEMS ตาม CEMS online calibration form: GPFM-7.1.5-03-OM-SIPCO-003_CEMS Online Calibration Form แต่ไม่สามารถตรวจสอบสถานะการดึงตัวอย่างที่แท้จริงได้



กรณีที่มีการทำ Dilution System มีการเปลี่ยน correction factors ที่ใช้ในการแปลงผลหลังจากการทดสอบครั้งล่าสุดหรือไม่	ไม่เกี่ยวข้อง
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# Calibration Gases

What to Check	Observations
ชนิดและประเภทของก๊าซมาตรฐาน (Standard Gas) Span gas	Standard Single Gas EPA Protocol (Linde)
Diluent Gas	Standard Single Gas EPA Protocol (Linde)
N <sub>2</sub>	UHP grade
วันหมดอายุของก๊าซมาตรฐาน (Standard Gas) Span gas	NO <sub>x</sub> (D599214): 2 Dec 2025 CO (D749327) : 28 Jul 2025
Diluent Gas	O <sub>2</sub> (18K1149177): 15 Nov 2026
N <sub>2</sub>	105058 valid shelf life date1 Jun 2024
ช่วงความเข้มข้นของก๊าซมาตรฐาน เป็นไปตามช่วงที่กำหนดหรือไม่ Point 1: 20% - 30% of span Point 2: 50% - 60% of span Point 3: 80% - 100% of span	NO <sub>x</sub> at Point 3 (172 ppm) CO at Point 3 (85.4 ppm) O <sub>2</sub> at Point 3 (21.1%)



มีเอกสารยืนยันมาตรฐาน zero air gas ให้เป็นไปตามข้อกำหนดหรือไม่ (Supplier certification)	N <sub>2</sub> Gas Certify by Linde follow Request
มีการจดบันทึกความเข้มข้นของก๊าซมาตรฐาน ในการทำ Calibration error and linearity test หรือไม่	Record on GPFM-7.1.5-03-OM-SIPCO-003_CEMS Online Calibration Form
ตรวจสอบแรงดันก๊าซมาตรฐานมีค่า < 150 psi. หรือไม่ Span gas	Record on GPFM-7.1.5-03-OM-SIPCO-003_CEMS Online Calibration Form > 150 Psi
Diluent Gas	Record on GPFM-7.1.5-03-OM-SIPCO-003_CEMS Online Calibration Form > 150 Psi
N <sub>2</sub>	Record on GPFM-7.1.5-03-OM-SIPCO-003_CEMS Online Calibration Form> 150 Psi
มีการใช้ Stainless steel regulators สำหรับ SO <sub>2</sub> cylinders หรือไม่	ใช้ stainless steel regulator สำหรับการใช้งานกับ Gas กัดกร่อน

# ระบบ DAHS

What to Check	Observations
มีระบบบันทึกข้อมูลที่ครอบคลุมพารามิเตอร์และช่วงการตรวจวัด (Range) ของระบบตรวจวัดหรือไม่	ครอบคลุมทุกค่าที่ทำการตรวจวัด และการบันทึกช่วงการตรวจวัดถูกต้อง ตามระบบบันทึกผลใน CCR
มีการตรวจสอบความถูกต้องของข้อมูลจากเครื่องตรวจวัด ที่เข้าระบบบันทึกข้อมูลหรือไม่	การรับส่งสัญญาณค่าระหว่าง CEMS Systemและระบบบันทึกข้อมูลใน CCR ไม่มีความแตกต่างเนื่องจากช่วงสัญญาณการตรวจวัดในระบบไม่สามารถเปลี่ยนแปลงช่วงได้



มีการใส่ correction factors ใน DAHS และมีการบันทึกการใส่ correction factors และการแก้ไขหรือไม่	มีการใส่ค่า Correct factor บ่อยกับการติดลบในระบบบันทึกข้อมูล NO <sub>x</sub> และ O <sub>2</sub>
ระบบการส่งข้อมูลเป็นชนิดใด (เช่น Analog, Digital)	เป็นการส่งสัญญาณแบบ Analog (4-20 mA) ที่ไม่สามารถปรับช่วงการตรวจวัดได้ (single range)

#### # Optional Control Equipment Parameter Monitoring

What to Check	Observations
มี QA/QC Plan ในการยืนยันช่วงการตรวจวัด (Range) ให้ครอบคลุมและเหมาะสมหรือไม่	แผนการทดสอบสอดคล้องกับช่วงการตรวจวัดของเครื่องมือ เป็นไปตามข้อกำหนดของ DIWและEIA แต่ไม่ครอบคลุมการตรวจสอบของมาตรวัด Flow Meter
มีการจับบันทึกการขาดหายของข้อมูลหรือไม่	ไม่มีการบันทึกการขาดหายของข้อมูลในระบบ DAS แต่มีการตั้งค่าก่อนหน้าในช่วงเวลาที่มีการทดสอบเครื่องมือประจำวอร์บ
มีวิธีการชดเชย ข้อมูลที่ขาดหายไปหรือไม่	มีการชดเชยข้อมูลตาม PSWI-8.1-01-OM-SIPCO-S057 , 4.3.4 CEMS Malfunction / Exceeded reading than emission limit ในการชดเชยข้อมูลที่มีค่าเกินกว่าช่วงการยอมรับ



#### # Maintenance Log Review

What to Check	Observations
สามารถทดสอบการดึงข้อมูลจากระบบบันทึกข้อมูลได้หรือไม่	สามารถทำการดึงข้อมูลย้อนหลังได้ทุกระายการทดสอบ
มีการแสดงข้อผิดพลาดของระบบตรวจวัดในระบบบันทึกข้อมูลหรือไม่	มีการบันทึกข้อผิดพลาดของระบบไว้ในฐานข้อมูลและใน Analyzer Logs
มีการจัดทำคำอธิบายข้อผิดพลาดและการแจ้งเตือนของระบบตรวจวัดหรือไม่	มีการแสดงคำอธิบาย สำหรับการแจ้งเตือนในระบบ
มีแนวทางการแก้ไขปัญหาในการเดินระบบเบื้องต้นหรือไม่	มีการกำหนดแนวทางการปฏิบัติเมื่อเกิดความผิดปกติของระบบCEMs อ้างอิง Operation Manual (EI-QJY-78-001)
มีการจับบันทึกการปรับแต่งระบบตรวจวัดหรือไม่	มีการจับบันทึกในรายงานการดำเนินงาน (activity Log) ในระบบ และแสดงใช้หน้างาน
มีอุปกรณ์และชิ้นส่วนสำหรับการบำรุงรักษาระบบหรือไม่	มีครบถ้วน ยกเว้นการบำรุงรักษาที่เกินกว่าการบำรุงรักษาปกติ



#### # QA/QC Plan Review

What to Check	Observations
มีการกำหนดช่วงเวลาการทำ QA/QC หรือไม่ และมีการปรับปรุงให้เป็นปัจจุบันหรือไม่	มีการปรับปรุงทุกปี ตามข้อกำหนด ใน Compliance Calendar: QA/QC plan review and completed
มีการกำหนดการปรับปรุงเครื่องมือที่ไม่เป็นไปตามข้อกำหนดหรือไม่	มีการกำหนดไว้ตาม Compliance Calendar: QA/QC plan review and completed
มีการเก็บบันทึกการบำรุงรักษาเครื่องมือหรือไม่	มีการบันทึกไว้ตาม C&I-2023 Report Calibration CEMS.

หมายเหตุ: ดัดแปลงจาก 40 CFR Part 60 regulations

#### ข้อเสนอแนะเพิ่มเติมสำหรับโครงการ

จากการประเมินการดำเนินการทดสอบประจำวอร์บและการเดินระบบในการตรวจวัดตามปกติของเครื่องวัด พบข้อสังเกตในของการทดสอบ ตามรายละเอียดดังต่อไปนี้

- การจำแนกการดำเนินการในการทดสอบ BI-weekly Calibration ไม่ตรงกับการดำเนินการที่แท้จริงที่เป็น Direct Calibration และ System Verify check
- พบว่าSample Gas ของทุกระายการทดสอบวิ่งผ่านNO<sub>x</sub> Converterก่อนทำการวิเคราะห์ แนะนำให้ตรวจสอบการดำเนินการกับผู้ผลิตว่า มีผลต่อการตรวจวัดหรือไม่
- ไม่พบการตรวจสอบที่แสดงว่าระบบการดึงตัวอย่างน้ำ ได้รับการตรวจสอบว่ามีความถูกต้องมากพอที่จะยอมรับได้
- พบการควบคุมอุณหภูมิของห้องระบบตรวจวัด ไม่มีการกำหนดช่วงควบคุม ซึ่งอาจมีผลให้อุณหภูมิที่อยู่ในห้องอาจส่งผลกระทบต่อระบบการดึงตัวอย่างและเครื่องวัด เนื่องจากหากอุณหภูมิของห้องระบบตรวจวัดมีช่วงที่ต่ำเกินไป เมื่อเครื่องตรวจวัดหยุดการเดินระบบ หรือช่วงอุณหภูมิของเครื่องไม่เป็นไปตามข้อกำหนด อาจเกิดความเสียหายและสภาพของเครื่องตรวจวัดได้ในอนาคต



ในการตรวจสอบการดำเนินการและการติดตั้งอุปกรณ์ตรวจวัดโดยการจ้างการดำเนินการโดยผู้ดำเนินการภายนอกพบข้อสังเกตในการดำเนินการดังนี้

- การเปลี่ยนอุปกรณ์ระบบตรวจวัดอัตราการไหล (Flow Meter) พบว่าไม่มีแสดงการทดสอบความสามารถของอุปกรณ์ที่มีการปรับปรุง รวมถึงไม่มีการแสดงความเจาะจงของอุปกรณ์ที่ทำการดำเนินการในการปรับปรุง เช่น หมายเลขอุปกรณ์ Model รุ่น ชนิด อันแสดงถึงความเจาะจงต่ออุปกรณ์นั้นๆ
- การทดสอบและทวนสอบ ประสิทธิภาพของระบบเครื่องตรวจวัดมวลสาร (Gas Analyzer) พบเพียงการทดสอบความถูกต้องและการตรวจสอบประสิทธิภาพของตัวรับสัญญาณภายในเครื่องมือวัด แต่ไม่แสดงถึงการตรวจสอบอุปกรณ์ที่มีผลต่อการวัดที่อยู่ภายในหรือเกี่ยวข้องกับเครื่องวัด

นอกเหนือจากข้อสังเกตในการเดินระบบตรวจวัดแล้ว เนื่องจากในปัจจุบันมีการออกกฎหมายควบคุมเกี่ยวกับการติดตั้งและการส่งข้อมูลของระบบตรวจวัดเข้าสู่ส่วนกลาง ในปี2565 ตามประกาศกระทรวงอุตสาหกรรมเรื่อง กำหนดให้โรงงานต้องติดตั้งเครื่องมือหรือเครื่องอุปกรณ์พิเศษเพื่อรายงานผลพิษอากาศจากปล่องโรงงาน พ.ศ. 2565 อันมีผลเกี่ยวเนื่องมายังการดำเนินการของทางโรงงาน แนะนำให้ทางโรงงานดำเนินการตรวจสอบ ทวนสอบ และรับรองความสามารถในการตรวจวัดและการรายงานผล เพื่อให้เป็นไปตามกฎหมาย อันประกอบด้วย

- การรายงานค่ามลพิษเข้าสู่ระบบฐานข้อมูลของกรมโรงงาน อันประกอบด้วยรายการตรวจวัด ดังนี้
  - NO<sub>x</sub> (หน่วย ppm ที่ 7% O<sub>2</sub>) ตามข้อกำหนดตามEIA
  - O<sub>2</sub> (หน่วย %) ตามข้อกำหนดตามEIA
  - CO (หน่วย ppm ที่ 7% O<sub>2</sub>) ตามข้อกำหนดตามกฎหมาย
  - Flow Rate (หน่วย m3/hour) ตามข้อกำหนดตามกฎหมาย
  - Temperature (หน่วย °C) ตามข้อกำหนดตามกฎหมาย
- การดำเนินงานแผนการทดสอบและทวนสอบ ความสามารถและความถูกต้องของเครื่องวัดที่จะต้องรายงานค่าเข้าสู่ระบบฐานข้อมูลของกรมโรงงาน ตามรายละเอียดในข้อข้างต้น



## Relative Accuracy Test Audit (RATA)

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## 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 : EIA Monitoring  
Project Location :

Lot ID: 23133262  
Date Received : Dec 04, 2023  
Date Reported : Dec 22, 2023  
Report Number : 2838410-2

Sample Number 23133262-1  
Sampled Date Dec 02, 2023  
Sample Description Emission from Stationary Source  
Location HRSG #1  
Parameter Flowrate

Page 1 of 2

### Relative Accuracy Test Audit Report

Run No.	Date	Time		Flowrate Data		Difference
		Start	Stop	CEMs (Nm3/Hr)	RM (Nm3/Hr)	
1	02 Dec 23	9:35	9:55	1,218,762	1,194,175	-24,587
2	02 Dec 23	9:56	10:16	1,219,469	1,185,772	-33,697
3	02 Dec 23	10:17	10:37	1,212,163	1,186,358	-25,805
4	02 Dec 23	16:45	17:05	1,349,291	1,287,912	-61,379
5	02 Dec 23	17:06	17:26	1,347,696	1,287,946	-59,750
6	02 Dec 23	17:27	17:47	1,348,134	1,287,963	-60,171
7	02 Dec 23	17:48	18:08	1,351,129	1,287,853	-63,276
8	02 Dec 23	18:09	18:29	1,348,350	1,302,263	-46,087
9*	02 Dec 23	18:30	18:50	1,394,857	1,299,386	-95,471
10*	02 Dec 23	18:51	19:11	1,414,229	1,348,148	-66,081
11*	02 Dec 23	19:12	19:32	1,409,383	1,340,867	-68,516
12	02 Dec 23	19:33	19:53	1,405,884	1,349,069	-56,815
Average				1,311,209	1,263,257	-47,952
Confidence Coefficient (CC)						12,230
Relative Accuracy <sup>1/</sup> (Compared with RM) (%)						4.76
Relative Accuracy Criteria (Compared with RM)						≤ 20 %

Reference Method : US EPA Method 2

Remark: \* Sample with \* is a rejected data

<sup>1/</sup> Relative Accuracy Criteria of Flowrate is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 6 (PS-6)

RA Result is within Criteria

Technical Management

Wichan Choonharat  
Manager  
ทะเบียนเลขที่ 7-204-ก-6113

Approved by

Sarayuth Jitranont  
Assistant General Manager  
ทะเบียนเลขที่ 7-204-ก-4702

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6872-21/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 : EIA Monitoring  
Project Location :

Lot ID: 23133262  
Date Received : Dec 04, 2023  
Date Reported : Dec 22, 2023  
Report Number : 2838410-2

Sample Number 23133262-1  
Sampled Date Dec 02, 2023  
Sample Description Emission from Stationary Source  
Location HRSG #1  
Parameter Stack Temperature

Page 2 of 2

### Relative Accuracy Test Audit Report

Run No.	Date	Time		Temperature Data		Difference
		Start	Stop	CEMs (°C)	RM (°C)	
1*	02 Dec 23	9:35	9:55	134.5	138.0	3.5
2*	02 Dec 23	9:56	10:16	134.6	138.4	3.8
3*	02 Dec 23	10:17	10:37	134.5	138.0	3.5
4	02 Dec 23	16:45	17:05	137.6	140.0	2.4
5	02 Dec 23	17:06	17:26	137.5	140.0	2.5
6	02 Dec 23	17:27	17:47	137.4	140.0	2.6
7	02 Dec 23	17:48	18:08	137.4	140.0	2.6
8	02 Dec 23	18:09	18:29	137.3	140.0	2.7
9	02 Dec 23	18:30	18:50	138.1	140.0	1.9
10	02 Dec 23	18:51	19:11	138.8	140.0	1.2
11	02 Dec 23	19:12	19:32	138.7	142.0	3.3
12	02 Dec 23	19:33	19:53	138.7	142.0	3.3
Average				137.9	140.4	2.5
Confidence Coefficient (CC)						0.5
Relative Accuracy <sup>1/</sup> (Compared with RM) (%)						2.1
Relative Accuracy Criteria (Compared with RM)						≤ 20 %

Reference Method : US EPA Method 2

Remark: \* Sample with \* is a rejected data

<sup>1/</sup> Relative Accuracy Criteria of Stack Temperature is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 6 (PS-6)

RA Result is within Criteria

Sampled By : Sirichock Pongprasom

Technical Management

Wichan Choonharat  
Manager  
ทะเบียนเลขที่ 7-204-ก-6113

Approved by

Sarayuth Jitranont  
Assistant General Manager  
ทะเบียนเลขที่ 7-204-ก-4702

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6872-21/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 :** EIA Monitoring  
**Project Location :**

**Lot ID: 23133262**  
Date Received : Dec 04, 2023  
Date Reported : Dec 16, 2023  
Report Number: 2838410-1

Page 1 of 12

**Sample Number** 23133262-2  
**Sampled Date** Dec 02, 2023  
**Sample Description** Emission from Stationary Source  
**Location** HRSG #1  
**Date Analysis Commenced** Dec 07, 2023

### Stack Description

Ambient Pressure	755	mmHg	Diameter	5.00	m	Oxygen	14.5	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.6	%
Type of Process	Combustion		Stack Temperature	138	°C	Gas Velocity	25.3	m/s
Type of Fuel	Natural Gas		Moisture	7.25	%	Flow Rate (Actual O2)	1194175	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Method	Testing Location
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### Air Testing

Flow rate	09:35 AM - 09:55 AM	Nm3/hr	-	-	550695	US EPA, Method 2	Bangkok
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**Sampled By :** Sirichock Pongprasom

### Remark :

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

Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

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

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## Analysis / Test Report

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

**Lot ID: 23133262**  
Date Received : Dec 04, 2023  
Date Reported : Dec 16, 2023  
Report Number: 2838410-1

Page 2 of 12

**Sample Number** 23133262-3  
**Sampled Date** Dec 02, 2023  
**Sample Description** Emission from Stationary Source  
**Location** HRSG #1  
**Date Analysis Commenced** Dec 07, 2023

### Stack Description

Ambient Pressure	755	mmHg	Diameter	5.00	m	Oxygen	14.4	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.6	%
Type of Process	Combustion		Stack Temperature	138	°C	Gas Velocity	25.2	m/s
Type of Fuel	Natural Gas		Moisture	7.25	%	Flow Rate (Actual O2)	1185772	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Method	Testing Location
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### Air Testing

Flow rate	09:56 AM - 10:16 AM	Nm3/hr	-	-	551938	US EPA, Method 2	Bangkok
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**Sampled By :** Sirichock Pongprasom

### Remark :

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

Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

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## 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 :** EIA Monitoring

**Project Location :**

**Lot ID: 23133262**

Date Received : Dec 04, 2023

Date Reported : Dec 16, 2023

Report Number: 2838410-1

Page 3 of 12

**Sample Number** 23133262-4  
**Sampled Date** Dec 02, 2023  
**Sample Description** Emission from Stationary Source  
**Location** HRSG #1  
**Date Analysis Commenced** Dec 07, 2023

### Stack Description

Ambient Pressure	755	mmHg	Diameter	5.00	m	Oxygen	14.4	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.6	%
Type of Process	Combustion		Stack Temperature	138	°C	Gas Velocity	25.1	m/s
Type of Fuel	Natural Gas		Moisture	7.25	%	Flow Rate (Actual O2)	1186358	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Method	Testing Location
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### Air Testing

Flow rate	10:17 AM - 10:37 AM	Nm3/hr	-	-	553918	US EPA, Method 2	Bangkok
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**Sampled By :** Sirichock Pongprasom

**Remark :**

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

Approved by

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Saranya Chalemrthamrong  
Scientist (4)

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## 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 :** EIA Monitoring

**Project Location :**

**Lot ID: 23133262**

Date Received : Dec 04, 2023

Date Reported : Dec 16, 2023

Report Number: 2838410-1

Page 4 of 12

**Sample Number** 23133262-5  
**Sampled Date** Dec 02, 2023  
**Sample Description** Emission from Stationary Source  
**Location** HRSG #1  
**Date Analysis Commenced** Dec 07, 2023

### Stack Description

Ambient Pressure	755	mmHg	Diameter	5.00	m	Oxygen	14.4	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.6	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	27.4	m/s
Type of Fuel	Natural Gas		Moisture	7.25	%	Flow Rate (Actual O2)	1287912	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Method	Testing Location
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### Air Testing

Flow rate	04:45 PM - 05:05 PM	Nm3/hr	-	-	602261	US EPA, Method 2	Bangkok
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**Sampled By :** Sirichock Pongprasom

**Remark :**

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Approved by

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Scientist (4)

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
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**P/O :**  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 23133262**  
Date Received : Dec 04, 2023  
Date Reported : Dec 16, 2023  
Report Number: 2838410-1

Page 5 of 12

**Sample Number** 23133262-6  
**Sampled Date** Dec 02, 2023  
**Sample Description** Emission from Stationary Source  
**Location** HRSG #1  
**Date Analysis Commenced** Dec 07, 2023

### Stack Description

Ambient Pressure	755	mmHg	Diameter	5.00	m	Oxygen	14.4	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.6	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	27.4	m/s
Type of Fuel	Natural Gas		Moisture	7.25	%	Flow Rate (Actual O2)	1287946	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Method	Testing Location
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### Air Testing

Flow rate	05:06 PM - 05:26 PM	Nm3/hr	-	-	598570	US EPA, Method 2	Bangkok
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**Sampled By :** Sirichock Pongprasom

### Remark :

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

Approved by

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Saranya Chalemthamrong  
Scientist (4)

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## Analysis / Test Report

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55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :**  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 23133262**  
Date Received : Dec 04, 2023  
Date Reported : Dec 16, 2023  
Report Number: 2838410-1

Page 6 of 12

**Sample Number** 23133262-7  
**Sampled Date** Dec 02, 2023  
**Sample Description** Emission from Stationary Source  
**Location** HRSG #1  
**Date Analysis Commenced** Dec 07, 2023

### Stack Description

Ambient Pressure	755	mmHg	Diameter	5.00	m	Oxygen	14.4	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.6	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	27.4	m/s
Type of Fuel	Natural Gas		Moisture	7.25	%	Flow Rate (Actual O2)	1287963	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Method	Testing Location
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### Air Testing

Flow rate	05:27 PM - 05:47 PM	Nm3/hr	-	-	600432	US EPA, Method 2	Bangkok
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**Sampled By :** Sirichock Pongprasom

### Remark :

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Approved by

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Saranya Chalemthamrong  
Scientist (4)

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**P/O :**  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 23133262**  
Date Received : Dec 04, 2023  
Date Reported : Dec 16, 2023  
Report Number: 2838410-1

Page 7 of 12

**Sample Number** 23133262-8  
**Sampled Date** Dec 02, 2023  
**Sample Description** Emission from Stationary Source  
**Location** HRSG #1  
**Date Analysis Commenced** Dec 07, 2023

### Stack Description

Ambient Pressure	755	mmHg	Diameter	5.00	m	Oxygen	14.4	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.6	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	27.4	m/s
Type of Fuel	Natural Gas		Moisture	7.25	%	Flow Rate (Actual O2)	1287853	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Method	Testing Location
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### Air Testing

Flow rate	05:48 PM - 06:08 PM	Nm3/hr	-	-	599454	US EPA, Method 2	Bangkok
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**Sampled By :** Sirichock Pongprasom

### Remark :

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Approved by

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Saranya Chalemtamrong  
Scientist (4)

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**P/O :**  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 23133262**  
Date Received : Dec 04, 2023  
Date Reported : Dec 16, 2023  
Report Number: 2838410-1

Page 8 of 12

**Sample Number** 23133262-9  
**Sampled Date** Dec 02, 2023  
**Sample Description** Emission from Stationary Source  
**Location** HRSG #1  
**Date Analysis Commenced** Dec 07, 2023

### Stack Description

Ambient Pressure	755	mmHg	Diameter	5.00	m	Oxygen	14.5	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.5	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	27.7	m/s
Type of Fuel	Natural Gas		Moisture	7.25	%	Flow Rate (Actual O2)	1302263	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Method	Testing Location
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### Air Testing

Flow rate	06:09 PM - 06:29 PM	Nm3/hr	-	-	599603	US EPA, Method 2	Bangkok
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**Sampled By :** Sirichock Pongprasom

### Remark :

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

Approved by

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Scientist (4)

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
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**P/O :**  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 23133262**  
Date Received : Dec 04, 2023  
Date Reported : Dec 16, 2023  
Report Number: 2838410-1

Page 9 of 12

**Sample Number** 23133262-10  
**Sampled Date** Dec 02, 2023  
**Sample Description** Emission from Stationary Source  
**Location** HRSG #1  
**Date Analysis Commenced** Dec 07, 2023

### Stack Description

Ambient Pressure	755	mmHg	Diameter	5.00	m	Oxygen	14.4	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.6	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	27.7	m/s
Type of Fuel	Natural Gas		Moisture	7.25	%	Flow Rate (Actual O2)	1299386	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Method	Testing Location
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### Air Testing

Flow rate	06:30 PM - 06:50 PM	Nm3/hr	-	-	604822	US EPA, Method 2	Bangkok
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**Sampled By :** Sirichock Pongprasom

### Remark :

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

Approved by

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Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

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**P/O :**  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 23133262**  
Date Received : Dec 04, 2023  
Date Reported : Dec 16, 2023  
Report Number: 2838410-1

Page 10 of 12

**Sample Number** 23133262-11  
**Sampled Date** Dec 02, 2023  
**Sample Description** Emission from Stationary Source  
**Location** HRSG #1  
**Date Analysis Commenced** Dec 07, 2023

### Stack Description

Ambient Pressure	755	mmHg	Diameter	5.00	m	Oxygen	14.5	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.5	%
Type of Process	Combustion		Stack Temperature	140	°C	Gas Velocity	28.7	m/s
Type of Fuel	Natural Gas		Moisture	7.25	%	Flow Rate (Actual O2)	1348148	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Method	Testing Location
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### Air Testing

Flow rate	06:51 PM - 07:11 PM	Nm3/hr	-	-	622670	US EPA, Method 2	Bangkok
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**Sampled By :** Sirichock Pongprasom

### Remark :

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## Analysis / Test Report

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**P/O :**  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 23133262**  
**Date Received :** Dec 04, 2023  
**Date Reported :** Dec 16, 2023  
**Report Number:** 2838410-1

Page 11 of 12

**Sample Number** 23133262-12  
**Sampled Date** Dec 02, 2023  
**Sample Description** Emission from Stationary Source  
**Location** HRSG #1  
**Date Analysis Commenced** Dec 07, 2023

### Stack Description

Ambient Pressure	755	mmHg	Diameter	5.00	m	Oxygen	14.6	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.5	%
Type of Process	Combustion		Stack Temperature	142	°C	Gas Velocity	28.7	m/s
Type of Fuel	Natural Gas		Moisture	7.25	%	Flow Rate (Actual O2)	1340867	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Method	Testing Location
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### Air Testing

Flow rate	07:12 PM - 07:32 PM	Nm3/hr	-	-	611590	US EPA, Method 2	Bangkok
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**Sampled By :** Sirichock Pongprasom

### Remark :

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

Approved by

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## Analysis / Test Report

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**P/O :**  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 23133262**  
**Date Received :** Dec 04, 2023  
**Date Reported :** Dec 16, 2023  
**Report Number:** 2838410-1

Page 12 of 12

**Sample Number** 23133262-13  
**Sampled Date** Dec 02, 2023  
**Sample Description** Emission from Stationary Source  
**Location** HRSG #1  
**Date Analysis Commenced** Dec 07, 2023

### Stack Description

Ambient Pressure	755	mmHg	Diameter	5.00	m	Oxygen	14.5	%
Ambient Temperature	31.0	°C	Shape	Circle		Carbon Dioxide	3.5	%
Type of Process	Combustion		Stack Temperature	142	°C	Gas Velocity	28.9	m/s
Type of Fuel	Natural Gas		Moisture	7.25	%	Flow Rate (Actual O2)	1349069	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Method	Testing Location
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### Air Testing

Flow rate	07:33 PM - 07:53 PM	Nm3/hr	-	-	617272	US EPA, Method 2	Bangkok
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**Sampled By :** Sirichock Pongprasom

### Remark :

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

Approved by

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Scientist (4)

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Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

Lot ID: 2413933  
Date Received : Mar 12, 2024  
Date Reported : Mar 18, 2024  
Report Number: 2939493-1

Page 1 of 1

Sample Description	Air Quality						
Location	Ban Mabtong						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Mar 01, 2024 - Mar 08, 2024						
Measurement by	Jaradrawee Srinuksa						
Time	2413933-1 Mar 01, 2024	2413933-2 Mar 02, 2024	2413933-3 Mar 03, 2024	2413933-4 Mar 04, 2024	2413933-5 Mar 05, 2024	2413933-6 Mar 06, 2024	2413933-7 Mar 07, 2024
09:00 AM - 10:00 AM	0.004	0.006	0.006	0.008	0.003	0.006	0.006
10:00 AM - 11:00 AM	0.004	0.003	0.005	0.005	0.002	0.004	0.006
11:00 AM - 12:00 PM	0.004	0.003	0.007	0.006	0.002	0.004	0.004
12:00 PM - 01:00 PM	0.007	0.002	0.008	0.009	0.002	0.004	0.003
01:00 PM - 02:00 PM	0.006	0.002	0.008	0.008	0.002	0.003	0.003
02:00 PM - 03:00 PM	0.002	0.002	0.006	0.005	0.003	0.004	0.002
03:00 PM - 04:00 PM	0.002	0.002	0.012	0.008	0.005	0.003	0.002
04:00 PM - 05:00 PM	0.005	0.002	0.018	0.004	0.006	0.002	0.002
05:00 PM - 06:00 PM	0.014	0.011	0.018	0.003	0.002	0.002	0.002
06:00 PM - 07:00 PM	0.015	0.011	0.018	0.003	0.003	0.001	0.002
07:00 PM - 08:00 PM	0.010	0.003	0.016	0.006	0.004	0.002	0.002
08:00 PM - 09:00 PM	0.004	0.003	0.008	0.005	0.004	0.003	0.003
09:00 PM - 10:00 PM	0.005	0.005	0.009	0.003	0.005	0.005	0.004
10:00 PM - 11:00 PM	0.003	0.006	0.007	0.002	0.005	0.005	0.004
11:00 PM - 12:00 AM	0.003	0.004	0.004	0.002	0.004	0.007	0.007
12:00 AM - 01:00 AM	0.004	0.004	0.002	0.001	0.004	0.006	0.005
01:00 AM - 02:00 AM	0.005	0.005	0.001	0.001	0.003	0.005	0.005
02:00 AM - 03:00 AM	0.005	0.004	0.002	0.003	0.003	0.004	0.003
03:00 AM - 04:00 AM	0.007	0.006	0.005	0.004	0.004	0.004	0.003
04:00 AM - 05:00 AM	0.008	0.007	0.004	0.005	0.004	0.003	0.003
05:00 AM - 06:00 AM	0.007	0.009	0.003	0.004	0.006	0.005	0.005
06:00 AM - 07:00 AM	0.009	0.012	0.004	0.006	0.006	0.006	0.003
07:00 AM - 08:00 AM	0.010	0.010	0.008	0.010	0.007	0.007	0.004
08:00 AM - 09:00 AM	0.010	0.008	0.008	0.010	0.008	0.008	0.011
Average	0.006	0.006	0.008	0.005	0.004	0.004	0.004
1hr - Maximum	0.015	0.012	0.018	0.010	0.008	0.008	0.011
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)

Approved by

Saranya C.  
Saranya Chalermtiamrong  
Scientist (4)

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6872-21/ EMAIL



Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

Lot ID: 2420615  
Date Received : Mar 12, 2024  
Date Reported : Mar 18, 2024  
Report Number: 2939549-1

Page 1 of 1

Sample Description	Air Quality						
Location	Ban Mabtong						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	Mar 01, 2024 - Mar 08, 2024						
Measurement by	Jaradrawee Srinuksa						
Time	2420615-1 Mar 01, 2024	2420615-2 Mar 02, 2024	2420615-3 Mar 03, 2024	2420615-4 Mar 04, 2024	2420615-5 Mar 05, 2024	2420615-6 Mar 06, 2024	2420615-7 Mar 07, 2024
09:00 AM - 10:00 AM	0.001	0.002	0.002	0.002	0.004	0.004	0.004
10:00 AM - 11:00 AM	0.001	0.002	0.002	0.002	0.004	0.004	0.004
11:00 AM - 12:00 PM	0.002	0.002	0.002	0.002	0.004	0.004	0.003
12:00 PM - 01:00 PM	0.002	0.002	0.002	0.002	0.004	0.004	0.004
01:00 PM - 02:00 PM	0.002	0.002	0.002	0.002	0.004	0.004	0.004
02:00 PM - 03:00 PM	0.002	0.002	0.002	0.002	0.004	0.004	0.003
03:00 PM - 04:00 PM	0.002	0.002	0.002	0.002	0.004	0.004	0.003
04:00 PM - 05:00 PM	0.002	0.002	0.002	0.002	0.004	0.004	0.004
05:00 PM - 06:00 PM	0.003	0.002	0.002	0.002	0.002	0.004	0.004
06:00 PM - 07:00 PM	0.002	0.002	0.002	0.002	0.002	0.004	0.004
07:00 PM - 08:00 PM	0.002	0.002	0.002	0.002	0.004	0.004	0.004
08:00 PM - 09:00 PM	0.002	0.002	0.002	0.002	0.004	0.004	0.004
09:00 PM - 10:00 PM	0.002	0.002	0.002	0.002	0.004	0.004	0.004
10:00 PM - 11:00 PM	0.002	0.002	0.002	0.002	0.004	0.004	0.004
11:00 PM - 12:00 AM	0.002	0.002	0.002	0.002	0.004	0.004	0.004
12:00 AM - 01:00 AM	0.002	0.002	0.002	0.002	0.004	0.004	0.003
01:00 AM - 02:00 AM	0.002	0.002	0.002	0.002	0.004	0.004	0.003
02:00 AM - 03:00 AM	0.002	0.002	0.002	0.004	0.004	0.004	0.003
03:00 AM - 04:00 AM	0.002	0.002	0.002	0.004	0.004	0.004	0.003
04:00 AM - 05:00 AM	0.002	0.002	0.002	0.004	0.004	0.004	0.003
05:00 AM - 06:00 AM	0.002	0.002	0.002	0.004	0.004	0.004	0.003
06:00 AM - 07:00 AM	0.002	0.002	0.002	0.004	0.004	0.004	0.003
07:00 AM - 08:00 AM	0.002	0.002	0.002	0.004	0.004	0.004	0.003
08:00 AM - 09:00 AM	0.002	0.002	0.002	0.004	0.004	0.004	0.003
Average	0.002	0.002	0.002	0.002	0.004	0.004	0.003
1hr - Maximum	0.003	0.002	0.002	0.004	0.004	0.004	0.004
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

Approved by

Saranya C.  
Saranya Chalermtiamrong  
Scientist (4)

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## Analysis / Test Report



TESTING  
No.0042

Lot ID: 2420618

Date Received : Mar 12, 2024

Date Reported : Mar 15, 2024

Report Number: 2917300-1

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

Page 1 of 1

Sample Description	Air Quality				
Location	Ban Mabtong				
Date Analysis Commenced	Mar 12, 2024				
Condition of Sample	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				
Sample Number	Sampled Date	Total Suspended Particulate (mg/m <sup>3</sup> )	Particulate Matter (PM-10) (mg/m <sup>3</sup> )	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2420618-1	Mar 01 - Mar 02, 2024	0.038	0.025	760	33
2420618-2	Mar 02 - Mar 03, 2024	0.043	0.030	760	33
2420618-3	Mar 03 - Mar 04, 2024	0.042	0.025	760	32
2420618-4	Mar 04 - Mar 05, 2024	0.032	0.021	760	32
2420618-5	Mar 05 - Mar 06, 2024	0.037	0.025	760	32
2420618-6	Mar 06 - Mar 07, 2024	0.031	0.020	760	33
2420618-7	Mar 07 - Mar 08, 2024	0.033	0.020	760	33
Guideline		0.33	0.12	-	-

### Reference Method

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

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

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

Sampled By : Jaradrawee Sriruksa

### Remark :

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

Approved by

Thanitak.

Thanita Kulsuriwong  
Scientist (4)

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## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

Lot ID: 2413933

Date Received : Mar 12, 2024

Date Reported : Mar 18, 2024

Report Number: 2939496-1

Page 1 of 1

Sample Description	Air Quality						
Location	Ban Krachedliang (Wad Krached)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Mar 01, 2024 - Mar 08, 2024						
Measurement by	Jaradrawee Sriruksa						
Time	2413933-8 Mar 01, 2024	2413933-9 Mar 02, 2024	2413933-10 Mar 03, 2024	2413933-11 Mar 04, 2024	2413933-12 Mar 05, 2024	2413933-13 Mar 06, 2024	2413933-14 Mar 07, 2024
11:00 AM - 12:00 PM	0.004	0.001	<0.001	<0.001	0.001	0.001	0.001
12:00 PM - 01:00 PM	0.002	0.001	0.001	0.001	<0.001	0.001	<0.001
01:00 PM - 02:00 PM	0.002	0.002	<0.001	<0.001	0.001	0.001	0.002
02:00 PM - 03:00 PM	0.002	0.002	0.002	<0.001	<0.001	0.002	0.002
03:00 PM - 04:00 PM	0.003	0.002	0.001	0.002	0.001	0.002	0.002
04:00 PM - 05:00 PM	0.004	0.002	0.002	0.002	0.001	0.004	0.002
05:00 PM - 06:00 PM	0.005	0.001	0.002	0.008	0.001	0.006	0.003
06:00 PM - 07:00 PM	0.004	0.009	0.002	0.004	0.002	0.007	0.003
07:00 PM - 08:00 PM	0.005	0.007	0.001	0.006	0.002	0.007	0.009
08:00 PM - 09:00 PM	0.004	0.004	0.002	0.005	0.002	0.005	0.002
09:00 PM - 10:00 PM	0.002	0.002	0.002	0.003	0.004	0.001	<0.001
10:00 PM - 11:00 PM	0.003	0.001	0.002	0.004	0.002	0.001	0.001
11:00 PM - 12:00 AM	0.002	0.001	0.003	0.002	0.003	<0.001	0.003
12:00 AM - 01:00 AM	0.001	<0.001	0.001	0.001	0.004	<0.001	0.003
01:00 AM - 02:00 AM	0.001	<0.001	0.001	0.002	0.001	0.001	0.002
02:00 AM - 03:00 AM	0.001	<0.001	0.001	0.002	0.002	0.001	0.002
03:00 AM - 04:00 AM	0.004	0.003	0.003	0.002	0.002	0.004	0.003
04:00 AM - 05:00 AM	0.005	0.005	0.010	0.001	0.004	0.009	0.006
05:00 AM - 06:00 AM	0.007	0.005	0.010	0.009	0.014	0.014	0.007
06:00 AM - 07:00 AM	0.010	0.010	0.007	0.010	0.014	0.014	0.007
07:00 AM - 08:00 AM	0.008	0.010	0.007	0.003	0.006	0.007	0.008
08:00 AM - 09:00 AM	0.003	0.002	0.002	0.002	0.002	0.003	0.004
09:00 AM - 10:00 AM	0.002	0.002	0.002	0.001	0.002	0.003	0.004
10:00 AM - 11:00 AM	0.002	0.002	0.001	0.001	0.002	0.002	0.005
Average	0.004	0.003	0.003	0.003	0.003	0.004	0.004
1hr - Maximum	0.010	0.010	0.010	0.010	0.014	0.014	0.009
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)

Approved by

Saranya C.

Saranya Chalerthamrong  
Scientist (4)

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2420615**  
Date Received : Mar 12, 2024  
Date Reported : Mar 18, 2024  
Report Number: 2939550-1

Page 1 of 1

<b>Sample Description</b>	Air Quality						
<b>Location</b>	Ban Krachedlang (Wad Krached)						
<b>Parameter</b>	Sulfur Dioxide (ppm)						
<b>Measurement Date</b>	Mar 01, 2024 - Mar 08, 2024						
<b>Measurement by</b>	Jaradrawee Sriruksa						
	2420615-8	2420615-9	2420615-10	2420615-11	2420615-12	2420615-13	2420615-14
	Mar 01, 2024	Mar 02, 2024	Mar 03, 2024	Mar 04, 2024	Mar 05, 2024	Mar 06, 2024	Mar 07, 2024
11:00 AM - 12:00 PM	0.003	0.003	0.004	0.006	0.002	0.001	0.003
12:00 PM - 01:00 PM	0.001	0.010	0.005	0.004	0.004	0.001	0.004
01:00 PM - 02:00 PM	0.004	0.002	0.013	0.002	0.005	0.004	0.005
02:00 PM - 03:00 PM	0.010	0.003	0.006	0.005	0.003	0.005	0.006
03:00 PM - 04:00 PM	0.009	<0.001	0.010	0.017	0.004	0.006	0.003
04:00 PM - 05:00 PM	0.007	<0.001	0.023	0.004	0.005	0.005	0.002
05:00 PM - 06:00 PM	0.006	0.009	0.024	0.003	0.004	0.003	0.002
06:00 PM - 07:00 PM	0.006	0.002	0.022	0.003	0.004	0.002	0.003
07:00 PM - 08:00 PM	0.002	0.003	0.012	0.005	0.002	0.004	0.001
08:00 PM - 09:00 PM	0.001	0.001	0.009	0.004	0.003	0.005	0.003
09:00 PM - 10:00 PM	<0.001	0.001	0.005	0.005	0.002	0.005	0.005
10:00 PM - 11:00 PM	0.001	0.003	0.004	0.002	0.003	0.005	0.006
11:00 PM - 12:00 AM	0.002	<0.001	0.003	<0.001	0.003	0.003	0.003
12:00 AM - 01:00 AM	0.002	<0.001	0.003	<0.001	0.003	0.002	0.002
01:00 AM - 02:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.004
02:00 AM - 03:00 AM	0.002	0.002	0.003	0.002	0.006	0.005	0.003
03:00 AM - 04:00 AM	0.002	0.003	<0.001	0.002	0.005	0.004	0.003
04:00 AM - 05:00 AM	0.003	0.003	<0.001	0.004	0.005	0.002	0.006
05:00 AM - 06:00 AM	0.003	0.002	0.002	0.004	0.005	0.004	0.005
06:00 AM - 07:00 AM	0.003	<0.001	0.004	0.003	0.003	0.004	0.002
07:00 AM - 08:00 AM	0.003	0.003	0.003	0.003	0.002	0.004	0.005
08:00 AM - 09:00 AM	0.002	0.003	0.003	0.003	0.004	0.003	0.003
09:00 AM - 10:00 AM	0.002	0.003	0.003	0.001	0.003	0.004	0.003
10:00 AM - 11:00 AM	0.002	0.004	0.002	<0.001	0.003	0.004	0.003
Average	0.003	0.003	0.007	0.004	0.004	0.004	0.004
1hr - Maximum	0.010	0.010	0.024	0.017	0.006	0.006	0.006
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

Approved by

*Saranya C.*

Saranya Chalmthamrong  
Scientist (4)

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**



**TESTING**  
No.0042

**Lot ID: 2420618**  
Date Received : Mar 12, 2024  
Date Reported : Mar 15, 2024  
Report Number: 2917300-2

Page 1 of 1

<b>Sample Description</b>	Air Quality				
<b>Location</b>	Ban Krachedlang (Wad Krached)				
<b>Date Analysis Commenced</b>	Mar 12, 2024				
<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/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2420618-8	Mar 01 - Mar 02, 2024	0.055	0.029	760	33
2420618-9	Mar 02 - Mar 03, 2024	0.059	0.035	760	33
2420618-10	Mar 03 - Mar 04, 2024	0.089	0.044	760	32
2420618-11	Mar 04 - Mar 05, 2024	0.069	0.038	760	32
2420618-12	Mar 05 - Mar 06, 2024	0.061	0.033	760	32
2420618-13	Mar 06 - Mar 07, 2024	0.047	0.026	760	33
2420618-14	Mar 07 - Mar 08, 2024	0.053	0.035	760	33
<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 :** Jaradrawee Sriruksa

### Remark :

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

Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2413933**  
**Date Received :** Mar 12, 2024  
**Date Reported :** Mar 18, 2024  
**Report Number:** 2916851-1

Page 1 of 1

<b>Sample Description</b>	Air Quality						
<b>Location</b>	Ban Nonglaloak (Wad Nongkrabok)						
<b>Parameter</b>	Nitrogen dioxide (ppm)						
<b>Measurement Date</b>	Mar 01, 2024 - Mar 08, 2024						
<b>Measurement by</b>	Jaradrawee Sriuksa						
	2413933-15 Mar 01, 2024	2413933-16 Mar 02, 2024	2413933-17 Mar 03, 2024	2413933-18 Mar 04, 2024	2413933-19 Mar 05, 2024	2413933-20 Mar 06, 2024	2413933-21 Mar 07, 2024
Time							
10:00 AM - 11:00 AM	<0.001	<0.001	0.005	0.008	<0.001	<0.001	<0.001
11:00 AM - 12:00 PM	<0.001	0.003	0.004	0.006	<0.001	<0.001	<0.001
12:00 PM - 01:00 PM	0.001	0.006	0.003	0.004	<0.001	<0.001	<0.001
01:00 PM - 02:00 PM	<0.001	<0.001	0.003	0.002	<0.001	<0.001	<0.001
02:00 PM - 03:00 PM	<0.001	<0.001	0.002	0.002	<0.001	<0.001	<0.001
03:00 PM - 04:00 PM	<0.001	<0.001	<0.001	0.002	<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	0.002	0.001	<0.001	0.001	<0.001	<0.001	<0.001
06:00 PM - 07:00 PM	0.003	0.003	0.002	<0.001	<0.001	<0.001	<0.001
07:00 PM - 08:00 PM	0.004	0.002	0.002	<0.001	<0.001	<0.001	<0.001
08:00 PM - 09:00 PM	0.002	0.006	0.003	<0.001	<0.001	<0.001	0.002
09:00 PM - 10:00 PM	<0.001	0.008	0.003	<0.001	<0.001	<0.001	<0.001
10:00 PM - 11:00 PM	<0.001	0.008	0.003	<0.001	<0.001	<0.001	<0.001
11:00 PM - 12:00 AM	<0.001	0.007	0.004	<0.001	<0.001	<0.001	0.001
12:00 AM - 01:00 AM	0.001	0.002	0.004	<0.001	<0.001	<0.001	0.001
01:00 AM - 02:00 AM	0.001	0.002	0.003	<0.001	<0.001	<0.001	0.002
02:00 AM - 03:00 AM	<0.001	0.002	0.002	<0.001	<0.001	<0.001	0.002
03:00 AM - 04:00 AM	<0.001	0.002	0.002	<0.001	<0.001	<0.001	0.001
04:00 AM - 05:00 AM	0.001	0.004	0.001	<0.001	<0.001	<0.001	0.001
05:00 AM - 06:00 AM	0.002	0.002	0.002	<0.001	<0.001	<0.001	<0.001
06:00 AM - 07:00 AM	0.004	0.004	0.006	<0.001	0.002	0.003	0.002
07:00 AM - 08:00 AM	0.004	0.004	0.006	<0.001	0.001	0.002	0.002
08:00 AM - 09:00 AM	0.001	0.004	0.005	<0.001	<0.001	<0.001	0.003
09:00 AM - 10:00 AM	<0.001	0.005	0.004	<0.001	<0.001	<0.001	0.002
Average	0.001	0.003	0.003	0.001	<0.001	<0.001	0.001
1hr - Maximum	0.004	0.008	0.006	0.008	0.002	0.003	0.003
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)						

Approved by

*Saranya C.*  
Saranya Chalermthamrong  
Scientist (4)

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6872-21\ EMAIL



## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2420615**  
**Date Received :** Mar 12, 2024  
**Date Reported :** Mar 18, 2024  
**Report Number:** 2917014-1

Page 1 of 1

<b>Sample Description</b>	Air Quality						
<b>Location</b>	Ban Nonglaloak (Wad Nongkrabok)						
<b>Parameter</b>	Sulfur Dioxide (ppm)						
<b>Measurement Date</b>	Mar 01, 2024 - Mar 08, 2024						
<b>Measurement by</b>	Jaradrawee Sriuksa						
	2420615-15 Mar 01, 2024	2420615-16 Mar 02, 2024	2420615-17 Mar 03, 2024	2420615-18 Mar 04, 2024	2420615-19 Mar 05, 2024	2420615-20 Mar 06, 2024	2420615-21 Mar 07, 2024
Time							
10:00 AM - 11:00 AM	<0.001	0.001	0.001	0.002	0.002	0.002	0.002
11:00 AM - 12:00 PM	<0.001	<0.001	0.001	0.001	0.002	0.002	0.002
12:00 PM - 01:00 PM	0.002	0.001	0.001	0.001	0.002	0.002	0.002
01:00 PM - 02:00 PM	0.002	0.001	0.002	0.002	0.002	0.002	0.002
02:00 PM - 03:00 PM	0.002	0.001	0.002	0.001	0.002	0.002	0.002
03:00 PM - 04:00 PM	0.002	0.001	0.002	0.002	0.002	0.002	0.002
04:00 PM - 05:00 PM	0.002	0.001	0.001	0.002	0.002	0.002	0.002
05:00 PM - 06:00 PM	0.001	0.001	0.002	0.001	0.002	0.002	0.002
06:00 PM - 07:00 PM	<0.001	0.001	0.002	0.001	0.002	0.002	0.002
07:00 PM - 08:00 PM	<0.001	0.001	0.002	0.002	0.002	0.002	0.002
08:00 PM - 09:00 PM	<0.001	0.001	0.002	0.001	0.002	0.002	0.002
09:00 PM - 10:00 PM	0.001	0.001	0.002	0.002	0.002	0.002	0.002
10:00 PM - 11:00 PM	0.001	0.001	0.001	0.002	0.002	0.002	0.002
11:00 PM - 12:00 AM	<0.001	0.001	0.002	0.001	0.002	0.002	0.002
12:00 AM - 01:00 AM	0.001	0.001	0.002	0.001	0.002	0.002	0.002
01:00 AM - 02:00 AM	0.001	0.001	0.002	0.001	0.002	0.002	0.002
02:00 AM - 03:00 AM	0.001	<0.001	0.002	0.001	0.002	0.002	0.002
03:00 AM - 04:00 AM	<0.001	<0.001	0.002	0.001	0.002	0.002	0.002
04:00 AM - 05:00 AM	0.001	0.001	0.002	0.001	0.002	0.002	0.002
05:00 AM - 06:00 AM	<0.001	0.001	0.002	0.002	0.002	0.002	0.002
06:00 AM - 07:00 AM	0.001	0.001	0.002	0.002	0.002	0.002	0.002
07:00 AM - 08:00 AM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
08:00 AM - 09:00 AM	0.001	0.001	0.001	0.002	0.002	0.002	0.002
09:00 AM - 10:00 AM	<0.001	0.001	0.001	0.002	0.002	0.002	0.002
Average	0.001	0.001	0.002	0.001	0.002	0.002	0.002
1hr - Maximum	0.002	0.002	0.002	0.002	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						

Approved by

*Saranya C.*  
Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

TESTING  
No.0042

**Lot ID: 2420618**  
Date Received : Mar 12, 2024  
Date Reported : Mar 15, 2024  
Report Number: 2917300-3

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

Page 1 of 1

**Sample Description** Air Quality  
**Location** Ban Nonglaloak (Wad Nongkrabok)  
**Date Analysis Commenced** Mar 12, 2024  
**Condition of Sample** Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2420618-15	Mar 01 - Mar 02, 2024	0.048	0.031	760	33
2420618-16	Mar 02 - Mar 03, 2024	0.059	0.036	760	33
2420618-17	Mar 03 - Mar 04, 2024	0.052	0.030	760	32
2420618-18	Mar 04 - Mar 05, 2024	0.058	0.030	760	32
2420618-19	Mar 05 - Mar 06, 2024	0.056	0.031	760	32
2420618-20	Mar 06 - Mar 07, 2024	0.059	0.033	760	33
2420618-21	Mar 07 - Mar 08, 2024	0.042	0.018	760	33
<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 :** Jaradrawee Sriuksa

### Remark :

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

Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

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## Analysis / Test Report

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

Lot ID: 2420832  
Date Received :Mar 12, 2024  
Date Reported :Mar 19, 2024  
Report Number :2917329-1

P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

Page 1 of 2

Sample Number : 2420832-1 to 7  
Parameter : Wind Speed / Wind Direction  
Location : Ban Mabtong  
Sampling Date : Mar 01 - Mar 08, 2024  
Sampling by : Jaradrawee Sriruksa

Time	Mar 01 - Mar 02, 2024		Mar 02 - Mar 03, 2024		Mar 03 - Mar 04, 2024		Mar 04 - Mar 05, 2024		Mar 05 - Mar 06, 2024		Mar 06 - Mar 07, 2024		Mar 07 - Mar 08, 2024	
	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)	WS (m/s)	WD (deg)
09:00 AM - 10:00 AM	1.6	289.0	WNW	2.0	237.0	WSW	1.7	302.0	WNW	1.0	289.0	WNW	0.4	285.0
10:00 AM - 11:00 AM	2.1	312.0	NW	2.2	208.0	SSW	1.9	254.0	WSW	2.0	355.0	N	1.1	252.0
11:00 AM - 12:00 PM	1.8	296.0	WNW	2.7	197.0	SSW	0.9	320.0	NW	1.1	286.0	WNW	0.3	304.0
12:00 PM - 01:00 PM	1.2	339.0	NNW	1.7	194.0	SSW	1.6	324.0	NW	0.9	217.0	SW	0.2	-
01:00 PM - 02:00 PM	0.5	317.0	NW	2.6	226.0	SW	2.4	203.0	SSW	1.0	238.0	WSW	1.8	290.0
02:00 PM - 03:00 PM	0.5	225.0	SW	1.1	259.0	W	0.9	0.0	N	0.8	267.0	W	1.1	220.0
03:00 PM - 04:00 PM	1.0	159.0	SSE	1.0	221.0	SW	0.4	302.0	WNW	0.9	93.0	E	1.2	208.0
04:00 PM - 05:00 PM	2.0	202.0	SSW	2.0	199.0	SSW	1.0	153.0	SSE	1.0	311.0	NW	0.4	210.0
05:00 PM - 06:00 PM	2.0	217.0	SW	2.1	184.0	S	0.9	296.0	WNW	0.1	-	-	0.8	208.0
06:00 PM - 07:00 PM	0.8	198.0	SSW	0.9	164.0	SSE	0.6	191.0	S	1.2	224.0	SW	0.7	224.0
07:00 PM - 08:00 PM	1.0	213.0	SSW	1.5	146.0	SE	0.2	-	-	0.5	205.0	SSW	1.1	204.0
08:00 PM - 09:00 PM	1.2	221.0	SW	0.4	222.0	SW	2.4	217.0	SW	1.4	203.0	SSW	1.0	200.0
09:00 PM - 10:00 PM	0.3	149.0	SSE	0.3	199.0	SSW	0.2	-	-	1.9	168.0	SSE	2.3	204.0
10:00 PM - 11:00 PM	0.8	311.0	NW	0.8	275.0	W	0.3	226.0	WSW	1.2	217.0	SW	1.4	190.0
11:00 PM - 12:00 AM	0.8	260.0	W	0.3	301.0	WNW	1.4	249.0	WSW	1.5	201.0	SSW	0.9	200.0
12:00 AM - 01:00 AM	0.6	282.0	WNW	0.4	314.0	NW	1.4	349.0	N	1.1	6.0	N	0.6	284.0
01:00 AM - 02:00 AM	1.2	95.0	E	0.5	197.0	SSW	1.1	320.0	NW	1.3	187.0	S	0.9	353.0
02:00 AM - 03:00 AM	0.3	319.0	NW	1.2	316.0	NW	0.2	-	-	1.1	240.0	WSW	0.7	210.0
03:00 AM - 04:00 AM	0.3	194.0	SSW	0.1	-	-	-	0.8	3.0	N	0.3	24.0	NNE	0.4
04:00 AM - 05:00 AM	0.3	305.0	NW	0.5	180.0	S	0.5	89.0	E	0.5	200.0	SSW	1.3	218.0
05:00 AM - 06:00 AM	1.6	219.0	SW	0.0	-	-	0.1	-	-	0.5	212.0	SSW	0.6	42.0
06:00 AM - 07:00 AM	0.6	315.0	NW	0.9	204.0	SSW	0.9	319.0	NW	0.8	213.0	SSW	1.6	240.0
07:00 AM - 08:00 AM	1.3	218.0	SW	0.3	234.0	SW	0.8	326.0	NW	0.5	207.0	SSW	1.1	19.0
08:00 AM - 09:00 AM	1.2	203.0	SSW	0.2	-	-	0.6	184.0	S	1.6	338.0	NNW	0.8	279.0

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittranont  
Assistant General Manager

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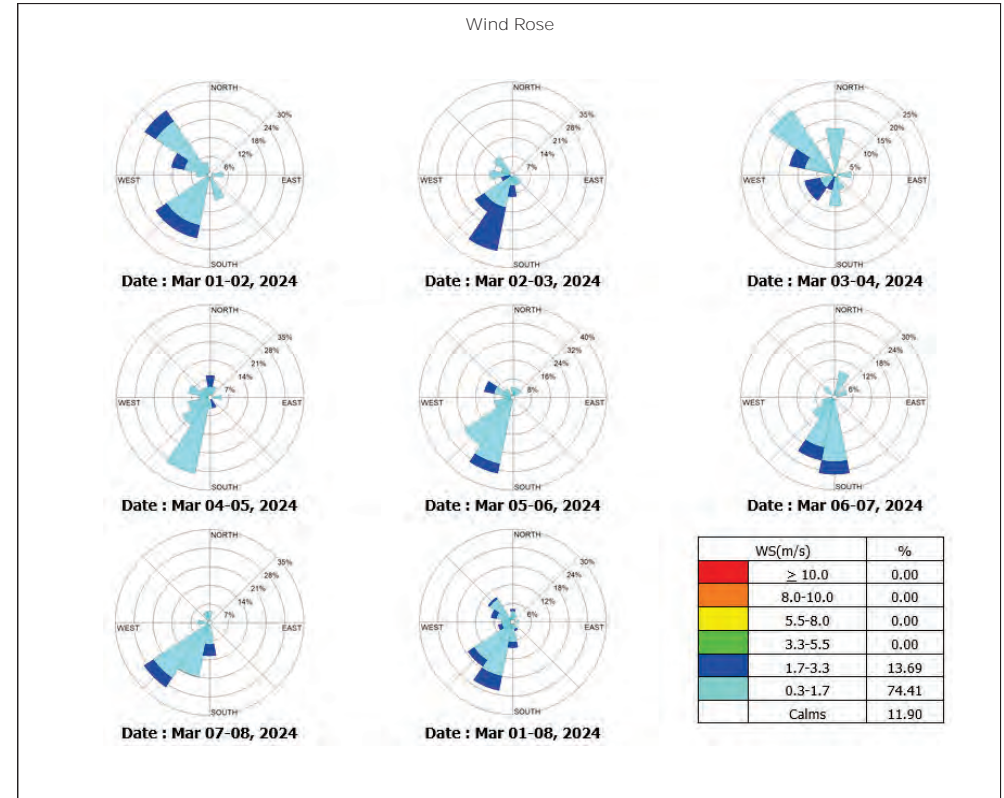
## Analysis / Test Report

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

Lot ID: 2420832  
Date Received :Mar 12, 2024  
Date Reported :Mar 19, 2024  
Report Number :2917329-1

P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

Page 2 of 2



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## Analysis / Test Report

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

Lot ID: 2420617  
Date Received :Mar 12, 2024  
Date Reported :Mar 19, 2024  
Report Number :2917282-1

P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

Page 1 of 2

Sample Number : 2420617-1 to 7  
Parameter : Wind Speed / Wind Direction  
Location : Ban Krachedlang (Wad Krached)  
Sampling Date : Mar 01 - Mar 08, 2024  
Sampling by : Jaradrawee Sriruksa

Time	Mar 01 - Mar 02, 2024			Mar 02 - Mar 03, 2024			Mar 03 - Mar 04, 2024			Mar 04 - Mar 05, 2024			Mar 05 - Mar 06, 2024			Mar 06 - Mar 07, 2024			Mar 07 - Mar 08, 2024		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
11:00 AM - 12:00 PM	1.7	280.0	W	0.2	-	-	0.8	261.0	W	1.8	199.0	SSW	0.8	255.0	WSW	0.4	249.0	WSW	1.1	269.0	W
12:00 PM - 01:00 PM	1.3	282.0	WNW	0.9	213.0	SSW	1.5	198.0	SSW	1.6	223.0	SW	1.7	192.0	SSW	1.0	244.0	WSW	1.8	200.0	SSW
01:00 PM - 02:00 PM	2.4	288.0	WNW	1.9	195.0	SSW	0.3	252.0	WSW	2.6	211.0	SSW	1.2	253.0	WSW	0.8	245.0	WSW	0.7	266.0	W
02:00 PM - 03:00 PM	1.4	279.0	W	2.0	215.0	SW	0.8	198.0	SSW	2.0	208.0	SSW	1.2	214.0	SW	1.3	306.0	NW	0.9	232.0	SW
03:00 PM - 04:00 PM	2.0	186.0	S	1.0	231.0	SW	1.4	257.0	WSW	1.1	234.0	SW	2.7	217.0	SW	0.9	249.0	WSW	1.3	221.0	SW
04:00 PM - 05:00 PM	0.7	257.0	WSW	1.0	329.0	NNW	0.8	258.0	WSW	1.0	192.0	SSW	1.7	214.0	SW	1.7	206.0	SSW	1.2	242.0	WSW
05:00 PM - 06:00 PM	1.6	218.0	SW	0.5	221.0	SW	0.7	216.0	SW	0.9	201.0	SSW	1.5	179.0	S	0.3	236.0	SW	0.6	257.0	WSW
06:00 PM - 07:00 PM	0.3	214.0	SW	0.7	202.0	SSW	0.3	239.0	WSW	0.8	196.0	SSW	0.6	207.0	SSW	0.7	246.0	WSW	0.4	210.0	SSW
07:00 PM - 08:00 PM	0.7	224.0	SW	0.6	310.0	NW	0.2	-	-	0.4	197.0	SSW	0.3	213.0	SSW	0.4	197.0	SSW	0.8	221.0	SW
08:00 PM - 09:00 PM	1.3	203.0	SSW	0.0	-	-	0.0	-	-	0.6	262.0	W	0.4	214.0	SW	0.0	-	-	0.3	210.0	SSW
09:00 PM - 10:00 PM	0.5	226.0	SW	0.2	-	-	0.0	-	-	0.2	-	-	0.3	215.0	SW	0.0	-	-	0.0	-	-
10:00 PM - 11:00 PM	0.3	264.0	W	0.0	-	-	0.0	-	-	0.8	231.0	SW	0.0	-	-	0.0	-	-	0.0	-	-
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.6	247.0	WSW	1.2	190.0	S	0.0	-	-	0.0	-	-	0.0	-	-
12:00 AM - 01:00 AM	0.0	-	-	0.0	-	-	0.1	-	-	0.7	217.0	SW	0.0	-	-	0.0	-	-	0.0	-	-
01:00 AM - 02:00 AM	0.0	-	-	0.5	260.0	W	0.5	267.0	W	0.3	227.0	SW	0.0	-	-	0.0	-	-	0.3	207.0	SSW
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	0.5	216.0	SW	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	0.3	271.0	W	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
04:00 AM - 05:00 AM	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.8	281.0	W
05:00 AM - 06:00 AM	0.0	-	-	1.0	45.0	NE	0.3	204.0	SSW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
06:00 AM - 07:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
07:00 AM - 08:00 AM	0.0	-	-	0.0	-	-	0.3	247.0	WSW	0.7	282.0	WNW	0.0	-	-	0.0	-	-	0.5	200.0	SSW
08:00 AM - 09:00 AM	0.0	-	-	0.4	45.0	NE	1.5	250.0	WSW	0.9	210.0	SSW	1.1	225.0	SW	0.2	-	-	0.7	205.0	SSW
09:00 AM - 10:00 AM	1.0	197.0	SSW	0.0	-	-	1.3	266.0	W	0.4	256.0	WSW	0.9	196.0	SSW	0.5	202.0	SSW	0.6	206.0	SSW
10:00 AM - 11:00 AM	0.7	237.0	WSW	0.7	207.0	SSW	0.7	225.0	SW	0.5	228.0	SW	0.5	214.0	SW	2.0	220.0	SW	0.5	205.0	SSW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittranont  
Assistant General Manager

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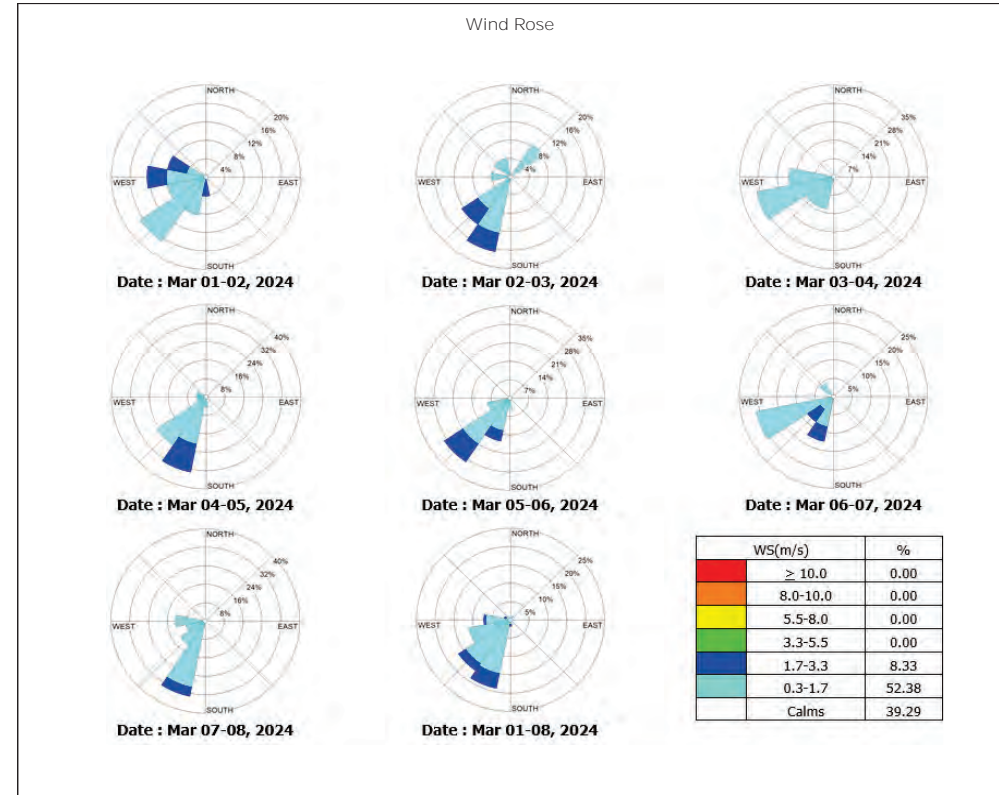
## Analysis / Test Report

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

Lot ID: 2420617  
Date Received :Mar 12, 2024  
Date Reported :Mar 19, 2024  
Report Number :2917282-1

P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

Page 2 of 2



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## Analysis / Test Report

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

Lot ID: 2420832  
Date Received :Mar 12, 2024  
Date Reported :Mar 19, 2024  
Report Number :2917329-1

P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

Page 1 of 2

Sample Number : 2420832-8 to 14  
Parameter : Wind Speed / Wind Direction  
Location : Ban Nonglaloak (Wad Nongkrabok)  
Sampling Date : Mar 01 - Mar 08, 2024  
Sampling by : Jaradrawee Sriruksa

Time	Mar 01 - Mar 02, 2024			Mar 02 - Mar 03, 2024			Mar 03 - Mar 04, 2024			Mar 04 - Mar 05, 2024			Mar 05 - Mar 06, 2024			Mar 06 - Mar 07, 2024			Mar 07 - Mar 08, 2024		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
10:00 AM - 11:00 AM	0.7	344.0	NNW	0.0	-	-	0.2	-	-	0.6	234.0	SW	1.0	213.0	SSW	0.5	127.0	SE	1.1	231.0	SW
11:00 AM - 12:00 PM	0.8	344.0	NNW	1.9	256.0	WSW	1.1	213.0	SSW	0.6	232.0	SW	1.1	230.0	SW	1.2	215.0	SW	1.1	242.0	WSW
12:00 PM - 01:00 PM	0.6	348.0	NNW	1.8	257.0	WSW	0.0	-	-	2.4	233.0	SW	0.8	270.0	W	1.3	190.0	S	1.9	178.0	S
01:00 PM - 02:00 PM	1.1	330.0	NNW	1.4	228.0	SW	1.2	132.0	SE	2.5	284.0	WNW	1.2	226.0	SW	0.7	240.0	WSW	3.3	235.0	SW
02:00 PM - 03:00 PM	0.3	295.0	WNW	1.6	244.0	WSW	1.4	218.0	SW	2.0	263.0	W	1.0	220.0	SW	1.0	232.0	SW	1.6	265.0	W
03:00 PM - 04:00 PM	1.0	259.0	W	0.9	295.0	WNW	2.3	239.0	WSW	1.5	228.0	SW	3.0	215.0	SW	1.5	268.0	W	1.9	287.0	WNW
04:00 PM - 05:00 PM	2.2	243.0	WSW	1.1	253.0	WSW	1.6	244.0	WSW	0.7	227.0	SW	1.3	242.0	WSW	0.4	254.0	WSW	1.6	262.0	W
05:00 PM - 06:00 PM	0.3	222.0	SW	2.7	237.0	WSW	0.9	237.0	WSW	0.2	-	-	0.7	216.0	SW	0.9	177.0	S	1.5	234.0	SW
06:00 PM - 07:00 PM	0.3	242.0	WSW	0.6	231.0	SW	0.0	-	-	0.6	247.0	WSW	0.8	116.0	ESE	0.9	231.0	SW	1.1	224.0	SW
07:00 PM - 08:00 PM	0.3	255.0	WSW	0.0	-	-	0.0	-	-	0.0	-	-	0.3	265.0	W	0.3	213.0	SSW	0.3	220.0	SW
08:00 PM - 09:00 PM	1.1	243.0	WSW	0.0	-	-	0.0	-	-	0.0	-	-	0.4	222.0	SW	0.0	-	-	0.2	-	-
09:00 PM - 10:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.7	239.0	WSW	0.5	226.0	SW	0.0	-	-	0.0	-	-
10:00 PM - 11:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	1.0	227.0	SW	0.0	-	-	0.0	-	-	0.0	-	-
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.7	172.0	S	0.0	-	-	0.0	-	-	0.0	-	-
12:00 AM - 01:00 AM	0.0	-	-	0.0	-	-	0.6	281.0	W	0.7	243.0	WSW	0.0	-	-	0.0	-	-	0.0	-	-
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.9	244.0	WSW	0.9	249.0	WSW	0.0	-	-	0.0	-	-	0.0	-	-
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	0.5	236.0	SW	0.0	-	-	0.0	-	-	0.0	-	-	0.1	-	-
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	1.1	245.0	WSW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
04:00 AM - 05:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
06:00 AM - 07:00 AM	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
07:00 AM - 08:00 AM	0.0	-	-	0.8	48.0	NE	0.8	66.0	ENE	0.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-
08:00 AM - 09:00 AM	0.0	-	-	0.0	-	-	0.9	243.0	WSW	0.6	188.0	S	0.9	129.0	SE	0.1	-	-	1.0	138.0	SE
09:00 AM - 10:00 AM	0.7	254.0	WSW	0.0	-	-	1.2	228.0	SW	0.6	184.0	S	1.4	233.0	SW	1.9	297.0	WNW	1.2	140.0	SE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittranont  
Assistant General Manager

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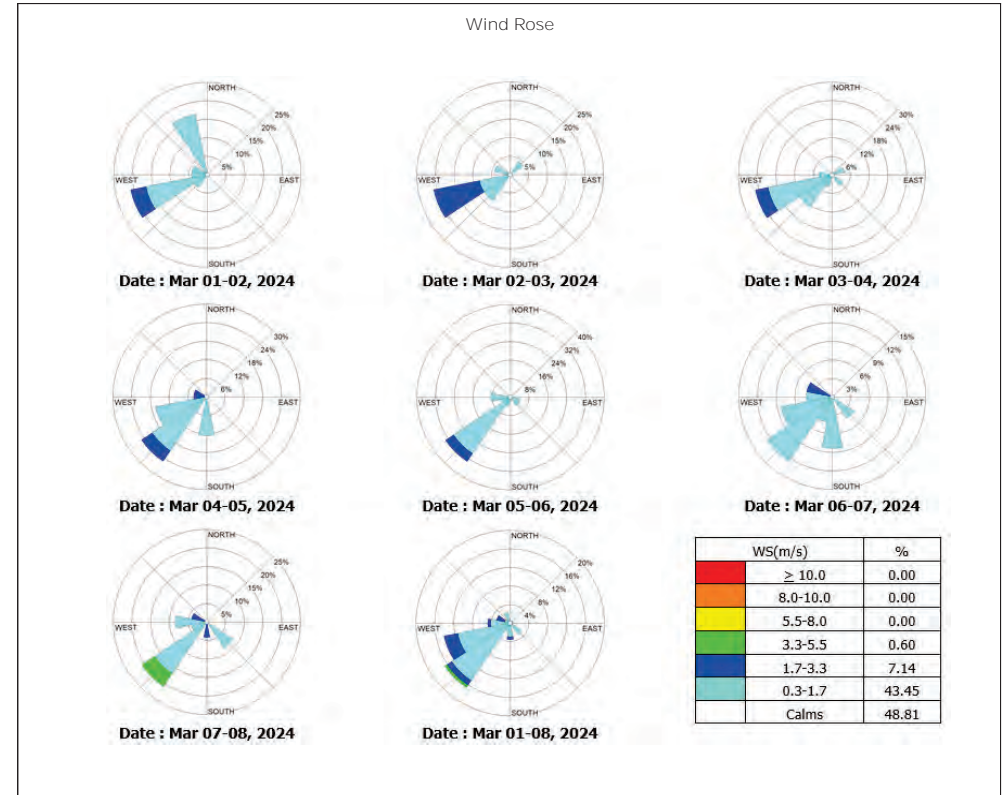
## Analysis / Test Report

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

Lot ID: 2420832  
Date Received :Mar 12, 2024  
Date Reported :Mar 19, 2024  
Report Number :2917329-1

P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

Page 2 of 2



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## 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 :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 244589**  
**Date Received :** Jan 18, 2024  
**Date Reported :** Feb 01, 2024  
**Report Number :** 2894896-1

Page 1 of 1

<b>Sample Number</b>	244589-1
<b>Sampled Date</b>	Jan 18, 2024 10:00 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Normal Pond (Sump)
<b>Date Analysis Commenced</b>	Jan 18, 2024
<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	<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	-	-	-	7.9	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	-	-	26.6	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	780	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 :** Paramet Sattayakun โทรศัพท์ ๖-323-๙-9476 , Thanasoun Namakunna โทรศัพท์ ๖-204-๙-8592

**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. Banchookit*

Narumon Banchookit  
Supervisor  
โทรศัพท์ ๖-323-๙-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
โทรศัพท์ ๖-323-๙-9442

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## 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 :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 244607**  
**Date Received :** Feb 15, 2024  
**Date Reported :** Feb 22, 2024  
**Report Number :** 2917700-1

Page 1 of 1

<b>Sample Number</b>	244607-1
<b>Sampled Date</b>	Feb 15, 2024 9:25 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Normal Pond (Sump)
<b>Date Analysis Commenced</b>	Feb 15, 2024
<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	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	<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	-	-	-	2.0	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	-	-	29.1	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	2960	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	34	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Sampling By :** Narunat thammasaro โทรศัพท์ ๖-323-๙-9477 , Panupong Manit โทรศัพท์ ๖-204-๙-8600

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

Technical Management

*N. Banchookit*

Narumon Banchookit  
Supervisor  
โทรศัพท์ ๖-323-๙-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
โทรศัพท์ ๖-323-๙-9442

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## 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 :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2426165**  
**Date Received :** Mar 14, 2024  
**Date Reported :** Mar 21, 2024  
**Report Number :** 2943839-1

Page 1 of 1

<b>Sample Number</b>	2426165-1					
<b>Sampled Date</b>	Mar 14, 2024 9:30 AM					
<b>Sample Description</b>	Wastewater					
<b>Location</b>	Normal Pond (Sump)					
<b>Date Analysis Commenced</b>	Mar 14, 2024					
<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	40	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 *		-	-	2.5	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	-	-	31.0	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	3900	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	16	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Sampling By :** Sanoen Khuiyoksui ทะเบียนเลขที่ ร-323-ก-0005 , Panupong Manit ทะเบียนเลขที่ ร-204-ก-0109

**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. Banngkit*

Narumon Banchongkit  
Supervisor  
ทะเบียนเลขที่ ร-323-ก-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ร-323-ก-9442

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## 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 :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2440172**  
**Date Received :** Apr 10, 2024  
**Date Reported :** Apr 24, 2024  
**Report Number :** 2969100-1

Page 1 of 1

<b>Sample Number</b>	2440172-1					
<b>Sampled Date</b>	Apr 10, 2024 1:46 PM					
<b>Sample Description</b>	Wastewater					
<b>Location</b>	Normal Pond (Sump)					
<b>Date Analysis Commenced</b>	Apr 10, 2024					
<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
CDD	mg/L	1.5	25	42	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		-	-	7.8	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	-	-	36.2	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	1280	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	30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Sampling By :** Narurat thammasaro ทะเบียนเลขที่ ร-323-ก-9477 , Panupong Manit ทะเบียนเลขที่ ร-204-ก-0109

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

Technical Management

*N. Banngkit*

Narumon Banchongkit  
Supervisor  
ทะเบียนเลขที่ ร-323-ก-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ร-323-ก-9442

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## 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 : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

Lot ID: 2447334  
Date Received : May 13, 2024  
Date Reported : May 20, 2024  
Report Number : 2996033-1

Page 1 of 1

Sample Number	2447334-1
Sampled Date	May 13, 2024 9:37 AM
Sample Description	Wastewater
Location	Normal Pond (Sump)
Date Analysis Commenced	May 13, 2024
Condition of Sample	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
Water Testing						
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	38	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	-	-	-	7.7	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	-	-	29.1	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	1050	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

Sampling By : Narunat thammasaro เลขที่ 323-๑-9477 , Samart Khumplee เลขที่ 204-๑-0084

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Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)  
เลขที่ 323-๑-9449

Approved by

Dej Changchon

Dej Changchon  
Senior Manager  
เลขที่ 323-๑-9442

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## 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 : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

Lot ID: 2450677  
Date Received : Jun 04, 2024  
Date Reported : Jun 11, 2024  
Report Number : 3020907-1

Page 1 of 1

Sample Number	2450677-1
Sampled Date	Jun 04, 2024 11:08 AM
Sample Description	Wastewater
Location	Normal Pond (Sump)
Date Analysis Commenced	Jun 04, 2024
Condition of Sample	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
Water Testing						
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	43	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	-	-	-	1.6	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	-	-	34.2	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	2400	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	13	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Sampling By : Wasan Kinunti เลขที่ 323-๑-0019 , Thanasoun Namakunna เลขที่ 204-๑-0101

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Technical Management

Thanitak

Thanita Kulsuriwong  
Scientist (4)  
เลขที่ 323-๑-9447

Approved by

Dej Changchon

Dej Changchon  
Senior Manager  
เลขที่ 323-๑-9442

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## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :



TESTING  
No.0042

Lot ID: 244589  
Date Received : Jan 18, 2024  
Date Reported : Feb 01, 2024  
Report Number : 2894897-1

Page 1 of 2

Sample Number	244589-2						
Sampled Date	Jan 18, 2024 9:50 AM						
Sample Description	Wastewater						
Location	Final Pond (Holding Pond)						
Date Analysis Commenced	Jan 18, 2024						
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
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
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		-	-	7.7	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	-	-	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	1200	≤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	9	≤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 โทร ๐๒-๓๒๓-๙๔๗๖, Thanasoun Namakunna โทร ๐๒-๒๐๔-๘๕๙๒

Remark :

Technical Management

N. Banongkit

Narumon Banchongkit  
Supervisor  
หมายเลข ๖-323-๙-9445

Approved by

D. Changchon

Dej Changchon  
Senior Manager  
หมายเลข ๖-323-๙-9442

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## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :



TESTING  
No.0042

Lot ID: 244589  
Date Received : Jan 18, 2024  
Date Reported : Feb 01, 2024  
Report Number : 2894897-1

Page 2 of 2

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Technical Management

N. Banongkit

Narumon Banchongkit  
Supervisor  
หมายเลข ๖-323-๙-9445

Approved by

D. Changchon

Dej Changchon  
Senior Manager  
หมายเลข ๖-323-๙-9442

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**TESTING**  
**No.0009**  
**Lot ID: 244589**  
**Date Received :** Jan 18, 2024  
**Date Reported :** Feb 01, 2024  
**Report Number :** 2894897-2

Page 1 of 1

<b>Sample Number</b>	244589-2						
<b>Sampled Date</b>	Jan 18, 2024 9:50 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Final Pond (Holding Pond)						
<b>Date Analysis Commenced</b>	Jan 18, 2024						
<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)						
<b>Analyte</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ (LOR)</b>	<b>Result</b>	<b>Guideline / Specification</b>	<b>Method</b>	<b>Testing Location</b>
<b>Metals Testing</b>							
Calcium	mg/L	0.03	0.05	85.9	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	16.7	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *	-	-	0.10	2.98	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	115	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	3.4	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	-	-	96.84	No Standard	Flow meter	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 , Thanasoun Namakunna

**Remark :**  
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Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 244589**  
**Date Received :** Jan 18, 2024  
**Date Reported :** Feb 01, 2024  
**Report Number :** 2894897-3

Page 1 of 1

<b>Sample Number</b>	244589-2						
<b>Sampled Date</b>	Jan 18, 2024 9:50 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Final Pond (Holding Pond)						
<b>Date Analysis Commenced</b>	Jan 19, 2024						
<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)						
<b>Analyte</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ (LOR)</b>	<b>Result</b>	<b>Guideline / Specification</b>	<b>Method</b>	<b>Testing Location</b>
<b>Water Testing</b>							
Nitrate as N	mg/L	0.015	0.05	1.64	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

**Guideline :** Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

**Sampling By :** Paramet Sattayakun , Thanasoun Namakunna

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

Approved by

*N. Banchoangkit*

Narumon Banchoangkit  
Supervisor

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## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :



TESTING  
No.0042

Lot ID: 244602  
Date Received : Jan 18, 2024  
Date Reported : Feb 01, 2024  
Report Number : 2884741-1

Page 1 of 1

Sample Number 244602-1  
Sampled Date Jan 18, 2024 9:50 AM  
Sample Description Wastewater  
Location บึงจันทนา Final Pond (Holding Pond)  
Date Analysis Commenced Jan 19, 2024  
Condition of Sample Contained in two 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>							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	1.3	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Guideline : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Paramet Sattayakun ทะเบียนเลขที่ ร-323-จ-9476 , Thanasoun Narnakunna ทะเบียนเลขที่ ร-204-จ-8592

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Technical Management

N. Banchookit

Narumon Banchookit  
Supervisor  
ทะเบียนเลขที่ ร-323-จ-9445

Approved by

D. Changchon

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

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## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
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P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :



TESTING  
No.0009

Lot ID: 244602  
Date Received : Jan 18, 2024  
Date Reported : Feb 01, 2024  
Report Number : 2884741-2

Page 1 of 1

Sample Number 244602-1  
Sampled Date Jan 18, 2024 9:50 AM  
Sample Description Wastewater  
Location บึงจันทนา Final Pond (Holding Pond)  
Date Analysis Commenced Jan 19, 2024  
Condition of Sample Contained in two 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>							
Copper	mg/L	0.0003	0.0005	0.004	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.06	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Guideline : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Paramet Sattayakun ทะเบียนเลขที่ ร-323-จ-9476 , Thanasoun Narnakunna ทะเบียนเลขที่ ร-204-จ-8592

### Remark :

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Technical Management

Sawitree N.

Sawitree Noisangiam  
Manager  
ทะเบียนเลขที่ ร-204-จ-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek  
Senior Manager  
ทะเบียนเลขที่ ร-204-จ-6111

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**TESTING**  
**No.0009**  
**Lot ID: 244602**  
Date Received : Jan 18, 2024  
Date Reported : Feb 01, 2024  
Report Number : 2884741-3

Page 1 of 1

**Sample Number** 244602-1  
**Sampled Date** Jan 18, 2024 9:50 AM  
**Sample Description** Wastewater  
**Location** บึงหนองน้ำ Final Pond (Holding Pond)  
**Date Analysis Commenced** Jan 19, 2024  
**Condition of Sample** Contained in two 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>							
Iron	mg/L	0.003	0.005	0.13	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

**Guideline :** Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

**Sampling By :** Paramet Sattayakun , Thanasoun Naniakunna

**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.

Approved by

*Savitree N.*

Savitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 244607**  
Date Received : Feb 15, 2024  
Date Reported : Feb 22, 2024  
Report Number : 2917701-1

Page 1 of 2

**Sample Number** 244607-2  
**Sampled Date** Feb 15, 2024 9:35 AM  
**Sample Description** Wastewater  
**Location** Final Pond (Holding Pond)  
**Date Analysis Commenced** Feb 15, 2024  
**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	<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	42	≤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		-	-	7.9	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	-	-	31.9	≤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	1520	≤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 โทรเลขที่ 7-323-7-9477 , Panupong Manit โทรเลขที่ 7-204-7-8600

**Remark :**

Technical Management

*N. Banongkit*

Narumon Banchongkit  
Supervisor  
โทรเลขที่ 7-323-7-9445

Approved by

*Dej Changchon*

Dej Changchon  
Senior Manager  
โทรเลขที่ 7-323-7-9442

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## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :



TESTING  
No.0042  
Lot ID: 244607  
Date Received : Feb 15, 2024  
Date Reported : Feb 22, 2024  
Report Number : 2917701-1

Page 2 of 2

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## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :



TESTING  
No.0009  
Lot ID: 244607  
Date Received : Feb 15, 2024  
Date Reported : Feb 22, 2024  
Report Number : 2917701-2

Page 1 of 1

Sample Number	244607-2						
Sampled Date	Feb 15, 2024 9:35 AM						
Sample Description	Wastewater						
Location	Final Pond (Holding Pond)						
Date Analysis Commenced	Feb 15, 2024						
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
<strong>Metals Testing</strong>							
Calcium	mg/L	0.03	0.05	99.7	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	19.1	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	0.10	8.81	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	366	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
<strong>Water Testing</strong>							
Dissolved Oxygen *	mg/L	-	0.1	7.3	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	-	-	107	No Standard	Flow meter	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 , Panupong Manit

### Remark :

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### Technical Management

*N. Banchoangkit*

Narumon Banchongkit  
Supervisor  
โทรศัพท์ ๖-323-๙-9445

### Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
โทรศัพท์ ๖-323-๙-9442

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### Approved by

*Savitree N.*

Savitree Noisanglam  
Manager

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**



**TESTING**  
**No.0042**  
**Lot ID: 244605**  
**Date Received :** Feb 15, 2024  
**Date Reported :** Feb 21, 2024  
**Report Number :** 2899531-1

Page 1 of 1

**Sample Number** 244605-1  
**Sampled Date** Feb 15, 2024 9:35 AM  
**Sample Description** Wastewater  
**Location** บึงหนองนา Final Pond (Holding Pond)  
**Date Analysis Commenced** Feb 16, 2024  
**Condition of Sample** Contained in 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>							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	1.4	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

**Guideline :** Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

**Sampling By :** Namnat thammasaro ทะเบียนเลขที่ ร-323-ก-9477 , Panupong Manit ทะเบียนเลขที่ ร-204-ก-8600

Remark :

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Technical Management

*N. Banongkit*

Narumon Banchongkit  
Supervisor  
ทะเบียนเลขที่ ร-323-ก-9445

Approved by

*Dej Changchon*

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ร-323-ก-9442

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**



**TESTING**  
**No.0009**  
**Lot ID: 244605**  
**Date Received :** Feb 15, 2024  
**Date Reported :** Feb 21, 2024  
**Report Number :** 2899531-2

Page 1 of 1

**Sample Number** 244605-1  
**Sampled Date** Feb 15, 2024 9:35 AM  
**Sample Description** Wastewater  
**Location** บึงหนองนา Final Pond (Holding Pond)  
**Date Analysis Commenced** Feb 16, 2024  
**Condition of Sample** Contained in 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>							
Copper	mg/L	0.0003	0.0005	0.003	≤2.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.02	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

**Guideline :** Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

**Sampling By :** Narurat thammasaro ทะเบียนเลขที่ ร-323-ก-9477 , Panupong Manit ทะเบียนเลขที่ ร-204-ก-8600

Remark :

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Technical Management

*Savitree N.*

Savitree Noisangiam  
Manager  
ทะเบียนเลขที่ ร-204-ก-4709

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager  
ทะเบียนเลขที่ ร-204-ก-6111

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**



**TESTING**  
**No.0009**  
**Lot ID: 244605**  
Date Received : Feb 15, 2024  
Date Reported : Feb 21, 2024  
Report Number : 2899531-3

Page 1 of 1

Sample Number	244605-1						
Sampled Date	Feb 15, 2024 9:35 AM						
Sample Description	Wastewater						
Location	บึงหนองนา Final Pond (Holding Pond)						
Date Analysis Commenced	Feb 15, 2024						
Condition of Sample	Contained in 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>							
Iron	mg/L	0.003	0.005	0.05	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Water Testing</b>							
Nitrate as N *	mg/L	0.015	0.05	1.90	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

**Guideline :** Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

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

**Remark :**  
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Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**



**TESTING**  
**No.0042**  
**Lot ID: 2426165**  
Date Received : Mar 14, 2024  
Date Reported : Mar 21, 2024  
Report Number : 2943840-1

Page 1 of 2

Sample Number	2426165-2						
Sampled Date	Mar 14, 2024 9:35 AM						
Sample Description	Wastewater						
Location	Final Pond (Holding Pond)						
Date Analysis Commenced	Mar 14, 2024						
Condition of Sample	Contained in one BOD bottle, one amber glass bottle, two glass vials 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	47	≤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	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<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	1560	≤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	6	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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

**Sampling By :** Sansoen Khuiyoksui ๓๗๓๓๓๓๓๓ ๓-323-๓-0005 , Panupong Manit ๓๗๓๓๓๓๓๓ ๓-204-๓-0109

**Remark :**

Technical Management

*N. Banchongkit*

Narumon Banchongkit  
Supervisor  
๓๗๓๓๓๓๓๓ ๓-323-๓-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
๓๗๓๓๓๓๓๓ ๓-323-๓-9442

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**



**TESTING**  
**No.0042**  
**Lot ID: 2426165**  
Date Received : Mar 14, 2024  
Date Reported : Mar 21, 2024  
Report Number : 2943840-1

Page 2 of 2

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**



**TESTING**  
**No.0009**  
**Lot ID: 2426165**  
Date Received : Mar 14, 2024  
Date Reported : Mar 21, 2024  
Report Number : 2943840-2

Page 1 of 1

<b>Sample Number</b>	2426165-2						
<b>Sampled Date</b>	Mar 14, 2024 9:35 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Final Pond (Holding Pond)						
<b>Date Analysis Commenced</b>	Mar 14, 2024						
<b>Condition of Sample</b>	Contained in one BOD bottle, one amber glass bottle, two glass vials and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
<b>Analyte</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ (LOR)</b>	<b>Result</b>	<b>Guideline / Specification</b>	<b>Method</b>	<b>Testing Location</b>
<b>Metals Testing</b>							
Calcium	mg/L	0.03	0.05	108	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	10.0	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	433	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	5.2	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/hr	-	-	106	No Standard	Flow meter	Rayong

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

**Sampling By :** Sansoen Khuiyoksui , Panupong Manit

**Remark :**

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Technical Management

*N. Banchongkit*

Narumon Banchongkit  
Supervisor  
โทรศัพท์ ๖-323-๙-๙445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
โทรศัพท์ ๖-323-๙-9442

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Approved by

*Savitree N.*

Savitree Naisangiam  
Manager

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## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

TESTING  
No.0042  
Lot ID: 2426173  
Date Received : Mar 14, 2024  
Date Reported : Mar 19, 2024  
Report Number : 2928425-1

Page 1 of 1

Sample Number	2426173-1
Sampled Date	Mar 14, 2024 9:35 AM
Sample Description	Wastewater
Location	บึงหนองปลา Final Pond (Holding Pond)
Date Analysis Commenced	Mar 14, 2024
Condition of Sample	Contained in 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>							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	1.7	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

**Guideline** : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

**Sampling By** : Sansoen Khuiyoksui ทะเบียนเลขที่ ๖-323-๖-0005 , Panupong Manit ทะเบียนเลขที่ ๖-204-๖-0109

### Remark :

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

Technical Management

N. Banphit

Narumon Banchongkit  
Supervisor  
ทะเบียนเลขที่ ๖-323-๖-9445

Approved by

D. Chamon

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ๖-323-๖-9442

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## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

TESTING  
No.0009  
Lot ID: 2426173  
Date Received : Mar 14, 2024  
Date Reported : Mar 20, 2024  
Report Number : 2928425-2

Page 1 of 1

Sample Number	2426173-1
Sampled Date	Mar 14, 2024 9:35 AM
Sample Description	Wastewater
Location	บึงหนองปลา Final Pond (Holding Pond)
Date Analysis Commenced	Mar 15, 2024
Condition of Sample	Contained in 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>							
Copper	mg/L	0.0003	0.0005	0.002	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.02	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

**Guideline** : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

**Sampling By** : Sansoen Khuiyoksui ทะเบียนเลขที่ ๖-323-๖-0005 , Panupong Manit ทะเบียนเลขที่ ๖-204-๖-0109

### Remark :

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Technical Management

Savitree N.

Savitree Naisangiam  
Manager  
ทะเบียนเลขที่ ๖-204-๖-0007

Approved by

Kanokorn Anek

Kanokorn Anek  
Senior Manager  
ทะเบียนเลขที่ ๖-204-๖-0004

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**



TESTING

No.0009

**Lot ID: 2426173**

Date Received : Mar 14, 2024

Date Reported : Mar 20, 2024

Report Number : 2928425-3

Page 1 of 1

Sample Number	2426173-1
Sampled Date	Mar 14, 2024 9:35 AM
Sample Description	Wastewater
Location	บึงจันทน์ Final Pond (Holding Pond)
Date Analysis Commenced	Mar 15, 2024
Condition of Sample	Contained in 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>							
Iron	mg/L	0.003	0.005	0.07	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Water Testing</b>							
Nitrate as N *	mg/L	0.015	0.05	2.90	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

**Guideline :** Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

**Sampling By :** Sansoen Khuiyoksui , Panupong Manit

Remark :

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*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**



TESTING

No.0042

**Lot ID: 2440172**

Date Received : Apr 10, 2024

Date Reported : Apr 24, 2024

Report Number : 2969101-1

Page 1 of 2

Sample Number	2440172-2
Sampled Date	Apr 10, 2024 1:53 PM
Sample Description	Wastewater
Location	Final Pond (Holding Pond)
Date Analysis Commenced	Apr 10, 2024
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	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	25	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
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	-	-	-	7.9	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	-	-	37.1	≤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	1600	≤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 ทะนันถนอมทรัพย์ ร-323-๙-9477 , Panupong Manit วัฒนพงษ์มานิต ร-204-๙-0109

Remark :

Technical Management

*N. Banchoit*

Narumon Banchoikit  
Supervisor

ทะเบียนเลขที่ ร-323-๙-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ร-323-๙-9442

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## Analysis / Test Report

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**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**



**TESTING**  
**No.0042**  
**Lot ID: 2440172**  
Date Received : Apr 10, 2024  
Date Reported : Apr 24, 2024  
Report Number : 2969101-1

Page 2 of 2

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2440172**  
Date Received : Apr 10, 2024  
Date Reported : Apr 24, 2024  
Report Number : 2969101-2

Page 1 of 1

<b>Sample Number</b>	2440172-2						
<b>Sampled Date</b>	Apr 10, 2024 1:53 PM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Final Pond (Holding Pond)						
<b>Date Analysis Commenced</b>	Apr 10, 2024						
<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)						
<b>Analyte</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ (LOR)</b>	<b>Result</b>	<b>Guideline / Specification</b>	<b>Method</b>	<b>Testing Location</b>
<b>Metals Testing</b>							
Calcium	mg/L	0.03	0.05	108	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	19.2	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR		-	0.10	10.4	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	444	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	7.5	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	-	-	104	No Standard	Flow meter	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 , Panupong Manit

**Remark :**

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**Technical Management**

*N. Banachit*

Narumon Banachongkit  
Supervisor  
โทรศัพท์ ๖-323-๙-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager  
โทรศัพท์ ๖-323-๙-9442

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**Approved by**

*Chanatt L.*

Chanattagam Imchom  
Section Head

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## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

TESTING  
No.0042  
Lot ID: 2440176  
Date Received : Apr 10, 2024  
Date Reported : Apr 19, 2024  
Report Number : 2960018-1

Page 1 of 1

Sample Number 2440176-1  
Sampled Date Apr 10, 2024 1:53 PM  
Sample Description Wastewater  
Location บึงฉลุม Final Pond (Holding Pond)  
Date Analysis Commenced Apr 11, 2024  
Condition of Sample Contained in 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>							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	<1.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

**Guideline :** Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

**Sampling By :** Narunat thammasaro ทะเนนณเดช ฏ-323-ฏ-9477 , Panupong Manit ทะเนนณเดช ฏ-204-ฏ-0109

**Remark :**

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Technical Management

N. Banumit

Narumon Banchongkit  
Supervisor  
ทะเนนณเดช ฏ-323-ฏ-9445

Approved by

D. Chanchon

Dej Changchon  
Senior Manager  
ทะเนนณเดช ฏ-323-ฏ-9442

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## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

TESTING  
No.0009  
Lot ID: 2440176  
Date Received : Apr 10, 2024  
Date Reported : Apr 19, 2024  
Report Number : 2960018-2

Page 1 of 1

Sample Number 2440176-1  
Sampled Date Apr 10, 2024 1:53 PM  
Sample Description Wastewater  
Location บึงฉลุม Final Pond (Holding Pond)  
Date Analysis Commenced Apr 11, 2024  
Condition of Sample Contained in 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>							
Copper	mg/L	0.0003	0.0005	0.001	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.03	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

**Guideline :** Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

**Sampling By :** Narunat thammasaro ทะเนนณเดช ฏ-323-ฏ-9477 , Panupong Mani ทะเนนณเดช ฏ-204-ฏ-0109

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Technical Management

Chanatt L.

Chanattagam Imchom  
Section Head  
ทะเนนณเดช ฏ-204-ฏ-0008

Approved by

Kanokkorn Anek

Kanokkorn Anek  
Senior Manager  
ทะเนนณเดช ฏ-204-ฏ-0004

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## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :



TESTING  
No.0009  
Lot ID: 2440176  
Date Received : Apr 10, 2024  
Date Reported : Apr 19, 2024  
Report Number : 2960018-3

Page 1 of 1

Sample Number	2440176-1						
Sampled Date	Apr 10, 2024 1:53 PM						
Sample Description	Wastewater						
Location	บึงหนองปลา Final Pond (Holding Pond)						
Date Analysis Commenced	Apr 11, 2024						
Condition of Sample	Contained in 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>							
Iron	mg/L	0.003	0.005	0.08	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Water Testing</b>							
Nitrate as N *	mg/L	0.015	0.05	1.43	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

Guideline : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Narunat thammasaro , Panupong Manit

#### Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Chanattagam Imchom  
Section Head

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## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :



TESTING  
No.0042  
Lot ID: 2447334  
Date Received : May 13, 2024  
Date Reported : May 20, 2024  
Report Number : 2996034-1

Page 1 of 2

Sample Number	2447334-2						
Sampled Date	May 13, 2024 9:40 AM						
Sample Description	Wastewater						
Location	Final Pond (Holding Pond)						
Date Analysis Commenced	May 13, 2024						
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, part 4500 - O G	Rayong
COD	mg/L	1.5	25	47	≤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	-	-	-	7.9	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	1870	≤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 หมายเลข 7-323-9-9477 , Samart Khumphlee หมายเลข 7-204-9-0084

#### Remark :

Technical Management

*Chontichok*

Chonticha Subongkoch  
Scientist (3)

หมายเลข 7-323-9-9449

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

หมายเลข 7-323-9-9442

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## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :



TESTING  
No.0042  
Lot ID: 2447334  
Date Received : May 13, 2024  
Date Reported : May 20, 2024  
Report Number : 2996034-1

Page 2 of 2

- LOD : Limit of Detection
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## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :



TESTING  
No.0009  
Lot ID: 2447334  
Date Received : May 13, 2024  
Date Reported : May 20, 2024  
Report Number : 2996034-2

Page 1 of 1

Sample Number 2447334-2  
Sampled Date May 13, 2024 9:40 AM  
Sample Description Wastewater  
Location Final Pond (Holding Pond)  
Date Analysis Commenced May 13, 2024  
Condition of Sample Contained in one BDD 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	129	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	23.1	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	0.10	9.07	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	426	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	6.9	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

**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 , Samart Khumphlee

### Remark :

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Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)  
โทรศัพท์ ๖-323-๙-9449

Approved by

D. Khunon

Dej Changchon  
Senior Manager  
โทรศัพท์ ๖-323-๙-9442

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Approved by

Savitree N.

Savitree Noisangiam  
Manager

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## Analysis / Test Report

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P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :



TESTING  
No.0042  
Lot ID: 2447335  
Date Received : May 13, 2024  
Date Reported : May 17, 2024  
Report Number : 2976615-1

Page 1 of 1

Sample Number	2447335-1
Sampled Date	May 13, 2024 9:40 AM
Sample Description	Wastewater
Location	บึงหนองบัว Final Pond (Holding Pond)
Date Analysis Commenced	May 14, 2024
Condition of Sample	Contained in 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>							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	1.6	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

**Guideline :** Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

**Sampling By :** Narunat thammasaro ทะเบียนเลขที่ ๖-323-๖-9477 , Samart Khumphlee ทะเบียนเลขที่ ๖-204-๖-0084

**Remark :**

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Technical Management

*Chontichak*

Chonticha Subongkoch  
Scientist (3)

ทะเบียนเลขที่ ๖-323-๖-9449

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ๖-323-๖-9442

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## Analysis / Test Report

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P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :



TESTING  
No.0009  
Lot ID: 2447335  
Date Received : May 13, 2024  
Date Reported : May 17, 2024  
Report Number : 2976615-2

Page 1 of 1

Sample Number	2447335-1
Sampled Date	May 13, 2024 9:40 AM
Sample Description	Wastewater
Location	บึงหนองบัว Final Pond (Holding Pond)
Date Analysis Commenced	May 14, 2024
Condition of Sample	Contained in 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>							
Copper	mg/L	0.0003	0.0005	0.002	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.03	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

**Guideline :** Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

**Sampling By :** Narunat thammasaro ทะเบียนเลขที่ ๖-323-๖-9477 , Samart Khumphlee ทะเบียนเลขที่ ๖-204-๖-0084

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Technical Management

*Chanatt L.*

Chanattagam Imchom  
Section Head

ทะเบียนเลขที่ ๖-204-๖-0008

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ๖-204-๖-0004

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**



**TESTING**  
No.0009

**Lot ID: 2447335**  
Date Received : May 13, 2024  
Date Reported : May 17, 2024  
Report Number : 2976615-3

Page 1 of 1

Sample Number	2447335-1
Sampled Date	May 13, 2024 9:40 AM
Sample Description	Wastewater
Location	บึงหนองนา Final Pond (Holding Pond)
Date Analysis Commenced	May 13, 2024
Condition of Sample	Contained in 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>							
Iron	mg/L	0.003	0.005	0.08	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Water Testing</b>							
Nitrate as N *	mg/L	0.015	0.05	2.41	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (F)	Rayong

**Guideline :** Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

**Sampling By :** Narunat (hammasaro , Samart Khumphlee

Remark :  
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*Chamatt L.*

Chanattagam Inchom  
Section Head

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
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**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**



**TESTING**  
No.0042

**Lot ID: 2450677**  
Date Received : Jun 04, 2024  
Date Reported : Jun 11, 2024  
Report Number : 3020908-1

Page 1 of 2

Sample Number	2450677-2
Sampled Date	Jun 04, 2024 11:13 AM
Sample Description	Wastewater
Location	Final Pond (Holding Pond)
Date Analysis Commenced	Jun 04, 2024
Condition of Sample	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, part 4500 - O G	Rayong
COD	mg/L	1.5	25	47	≤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		-	-	7.9	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	-	-	34.8	≤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	1710	≤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 :** Wasan Kinunti ทะเบียนเลขที่ ร-323-ร-0019 , Thanasoun Namakunna ทะเบียนเลขที่ ร-204-ร-0101

Remark :

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)  
ทะเบียนเลขที่ ร-323-ร-9447

Approved by

*D. Changchon.*

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ร-323-ร-9442

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
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**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**



**TESTING**  
No.0042  
**Lot ID: 2450677**  
Date Received : Jun 04, 2024  
Date Reported : Jun 11, 2024  
Report Number : 3020908-1

Page 2 of 2

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**



**TESTING**  
No.0009  
**Lot ID: 2450677**  
Date Received : Jun 04, 2024  
Date Reported : Jun 11, 2024  
Report Number : 3020908-2

Page 1 of 1

**Sample Number** 2450677-2  
**Sampled Date** Jun 04, 2024 11:13 AM  
**Sample Description** Wastewater  
**Location** Final Pond (Holding Pond)  
**Date Analysis Commenced** Jun 04, 2024  
**Condition of Sample** 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	133	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	24.7	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	0.10	9.78	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	468	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	5.7	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	-	-	0.029	No Standard	Flow meter	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 :** Wasan Kinunti , Thanasoun Namakunna

**Remark :**

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Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)  
โทรศัพท์ 0-323-9-9447

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
โทรศัพท์ 0-323-9-9442

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Approved by

*Chanatt L.*

Chanattagam Imchom  
Section Head

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## Analysis / Test Report

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P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :



TESTING  
No.0042  
Lot ID: 2450681  
Date Received : Jun 04, 2024  
Date Reported : Jun 10, 2024  
Report Number : 2983743-1

Page 1 of 1

Sample Number 2450681-1  
Sampled Date Jun 04, 2024 11:13 AM  
Sample Description Wastewater  
Location บึงกวน Final Pond (Holding Pond)  
Date Analysis Commenced Jun 05, 2024  
Condition of Sample Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	2.5	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong

Guideline : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Wasan Kinunti ทะเบียนเลขที่ ร-323-ก-0019 , Thanasoun Namakunna ทะเบียนเลขที่ ร-204-ก-0101

### Remark :

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

Technical Management

Photchana S.

Photchana Seeda  
Scientist (4)

ทะเบียนเลขที่ ร-323-ก-9446

Approved by

Dej Changchon

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ร-323-ก-9442

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## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :



TESTING  
No.0009  
Lot ID: 2450681  
Date Received : Jun 04, 2024  
Date Reported : Jun 10, 2024  
Report Number : 2983743-2

Page 1 of 1

Sample Number 2450681-1  
Sampled Date Jun 04, 2024 11:13 AM  
Sample Description Wastewater  
Location บึงกวน Final Pond (Holding Pond)  
Date Analysis Commenced Jun 05, 2024  
Condition of Sample Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.004	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.03	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Guideline : Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Wasan Kinunti ทะเบียนเลขที่ ร-323-ก-0019 , Thanasoun Namakunna ทะเบียนเลขที่ ร-204-ก-0101

### Remark :

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Technical Management

Sawitree N.

Sawitree Noisangiam  
Manager

ทะเบียนเลขที่ ร-204-ก-0007

Approved by

Kanokkorn Anek

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ร-204-ก-0004

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## Analysis / Test Report

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

P/O : 2024-1022

Project Name : EIA Monitoring

Project Location :

TESTING  
No.0009

Lot ID: 2450681

Date Received : Jun 04, 2024

Date Reported : Jun 10, 2024

Report Number : 2983743-3

Page 1 of 1

Sample Number	2450681-1						
Sampled Date	Jun 04, 2024 11:13 AM						
Sample Description	Wastewater						
Location	บึงหนอง Final Pond (Holding Pond)						
Date Analysis Commenced	Jun 04, 2024						
Condition of Sample	Contained in 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>							
Iron	mg/L	0.003	0.005	0.17	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Water Testing</b>							
Nitrate as N *	mg/L	0.015	0.05	2.63	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

**Guideline :** Notification of the Ministry of Natural Resources and Environment B.E. 2565 : The standard for controlling the discharge of wastewater from an electric power plant.

**Sampling By :** Wasan Kinunti , Thanasoun Namakunna

Remark :

- LOD : Limit of Detection
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Approved by

*Sawitree N.*

Sawitree Nisangiam  
Manager

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## 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: 2428266

Date Received : Mar 14, 2024

Date Reported : Jul 05, 2024

Report Number : 2933716-1 C1

Page 1 of 6

Sample Number	2428266-1						
Sampled Date	Mar 14, 2024 2:08 PM						
Sample Description	Surface Water						
Location	SW1 : กอนไหลผานจุดระบายน้ำฟอง 1,000 เมตร						
Date Analysis Commenced	Mar 14, 2024						
Condition of Sample	Contained in one BOD bottle, one amber glass bottle, two glass vials 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	6.3	≥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	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.11	≤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	-	-	-	7.9	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong

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Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

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## 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: 2428266

Date Received : Mar 14, 2024

Date Reported : Jul 05, 2024

Report Number : 2933716-1 C1

Page 2 of 6

Sample Number	2428266-1						
Sampled Date	Mar 14, 2024 2:08 PM						
Sample Description	Surface Water						
Location	SW1 : กอนไหลผานจุดระบายน้ำฟอง 1,000 เมตร						
Date Analysis Commenced	Mar 14, 2024						
Condition of Sample	Contained in one BOD bottle, one amber glass bottle, two glass vials 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	258	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	27	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 , Panupong Manit

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

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## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1343  
Project Name : EIA Monitoring  
Project Location :

Lot ID: 2449311  
Date Received : May 13, 2024  
Date Reported : May 23, 2024  
Report Number : 2980695-1

Page 1 of 3

Sample Number	2449311-1						
Sampled Date	May 13, 2024 11:40 AM						
Sample Description	Surface Water						
Location	SW1 : Klong Changtai Canal : 1000 m. above drainage point						
Date Analysis Commenced	May 14, 2024						
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	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	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 :** Narurat thammasaro

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

Approved by

*Wilawan Borirak*

Wilawan Borirak  
Manager

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## 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: 2450697  
Date Received : Jun 11, 2024  
Date Reported : Jun 20, 2024  
Report Number : 2983774-1 C1

Page 1 of 6

Sample Number	2450697-1						
Sampled Date	Jun 11, 2024 11:13 AM						
Sample Description	Surface Water						
Location	SW1 : ก่อนไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร						
Date Analysis Commenced	Jun 11, 2024						
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials 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
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<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	<2.0	≤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	6.5	≥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	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.84	≤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

Approved by

*Photchana S.*

Photchana Seeda  
Scientist (4)

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## 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: 2450697

Date Received : Jun 11, 2024

Date Reported : Jun 20, 2024

Report Number : 2983774-1 C1

Page 2 of 6

Sample Number	2450697-1
Sampled Date	Jun 11, 2024 11:13 AM
Sample Description	Surface Water
Location	SW1 : ก่อนไหลลงทะเลระยะน้ำทั้ง 1,000 เมตร
Date Analysis Commenced	Jun 11, 2024
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials 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>								
pH at 25 degree C		-	-	7.4	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.4	(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	113	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	8	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 :** Paramet Sattayakun ทะเบียนเลขที่ ร-323-จ-9476 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ร-204-จ-0001

Remark :

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

Photchana S.

Photchana Seeda

Scientist (4)

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## 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: 2428266

Date Received : Mar 14, 2024

Date Reported : Jul 05, 2024

Report Number : 2933716-1 C1

Page 5 of 6

Sample Number	2428266-3
Sampled Date	Mar 14, 2024 2:30 PM
Sample Description	Surface Water
Location	SW2 : บริเวณจุดระบายน้ำทั้ง
Date Analysis Commenced	Mar 14, 2024
Condition of Sample	Contained in one BOD bottle, one amber glass bottle, two glass vials 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	6.7	≥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	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.22	≤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		-	-	7.6	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	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	1250	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	25	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 , Panupong Manit

Approved by

D. Chanchon

Dej Chanchchon

Senior Manager

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## 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: 2428266**  
Date Received : Mar 14, 2024  
Date Reported : Jul 05, 2024  
Report Number : 2933716-1 C1

Page 6 of 6

**Remark :**

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



## Analysis / Test Report

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

**P/O :** 2024-1343

**Project Name :** EIA Monitoring

**Project Location :**

**Lot ID: 2449311**

Date Received : May 13, 2024

Date Reported : May 23, 2024

Report Number : 2980695-1

Page 2 of 3

<b>Sample Number</b>	2449311-2						
<b>Sampled Date</b>	May 13, 2024 11:55 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	SW2 : Klong Changtai Canal : Drainage point						
<b>Date Analysis Commenced</b>	May 14, 2024						
<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	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	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

**Remark :**

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

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*D. Changchon*

Dej Changchon  
Senior Manager

Approved by

*Wilawan*

Wilawan Borirak  
Manager

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## 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: 2450697

Date Received : Jun 11, 2024

Date Reported : Jun 20, 2024

Report Number : 2983774-1 C1

Page 5 of 6

Sample Number	2450697-3							
Sampled Date	Jun 11, 2024 11:48 AM							
Sample Description	Surface Water							
Location	SW2 : บริเวณจุดระบายน้ำทิ้ง							
Date Analysis Commenced	Jun 11, 2024							
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials 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
Water Testing								
BOD *	mg/L	-	2	<2.0	≤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	6.4	≥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	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.78	≤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	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.9	(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	114	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	7	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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Approved by

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Photchana Seeda

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## 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: 2450697

Date Received : Jun 11, 2024

Date Reported : Jun 20, 2024

Report Number : 2983774-1 C1

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 :** Paramet Sattayakun ทัศนัยกุลทรัพย์ ๖-323-๖-9476 , Kardbudit Kitipavanit ทัศนัยกุลทรัพย์ ๖-204-๖-0001

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## Analysis / Test Report

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

P/O :

Project Name :

Project Location :



TESTING  
No.0042  
**Lot ID: 2428266**  
Date Received : Mar 14, 2024  
Date Reported : Jul 05, 2024  
Report Number : 2933716-1 C1

Page 3 of 6

Sample Number	2428266-2						
Sampled Date	Mar 14, 2024 3:00 PM						
Sample Description	Surface Water						
Location	SW3 : แหล่งไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร						
Date Analysis Commenced	Mar 14, 2024						
Condition of Sample	Contained in one BOD bottle, one amber glass bottle, two glass vials 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 Bangkok States Environmental Protection Agency, EPA Method 5030 B and 8260 D	
Bromoform *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	In-house method based on United Bangkok States Environmental Protection Agency, EPA Method 5030 B and 8260 D	
Chloroform *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	In-house method based on United Bangkok States Environmental Protection Agency, EPA Method 5030 B and 8260 D	
Dibromochloromethane *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	In-house method based on United Bangkok States Environmental Protection Agency, EPA Method 5030 B and 8260 D	
Total Trihalomethanes *	ug/L	0.2	1	Not Detected	No Standard	No Standard	In-house method based on United Bangkok States Environmental Protection Agency, EPA Method 5030 B and 8260 D	
<b>Water Testing</b>								
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	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.06	≤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	-	-	-	7.6	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong

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*D. Changchon*

Dej Changchon  
Senior Manager

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## Analysis / Test Report

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P/O :

Project Name :

Project Location :



TESTING  
No.0042  
**Lot ID: 2428266**  
Date Received : Mar 14, 2024  
Date Reported : Jul 05, 2024  
Report Number : 2933716-1 C1

Page 4 of 6

Sample Number	2428266-2						
Sampled Date	Mar 14, 2024 3:00 PM						
Sample Description	Surface Water						
Location	SW3 : แหล่งไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร						
Date Analysis Commenced	Mar 14, 2024						
Condition of Sample	Contained in one BOD bottle, one amber glass bottle, two glass vials 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	-	-	32.9	(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	27	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 , 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.

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*D. Changchon*

Dej Changchon  
Senior Manager

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1343  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2449311**  
**Date Received :** May 13, 2024  
**Date Reported :** May 23, 2024  
**Report Number :** 2980695-1

Page 3 of 3

**Sample Number** 2449311-3  
**Sampled Date** May 13, 2024 12:10 PM  
**Sample Description** Surface Water  
**Location** SW3 : Klong Changtai Canal : 1000 m. Below drainage point  
**Date Analysis Commenced** May 14, 2024  
**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	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	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

**Remark :**

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Wilawan Borirak  
Manager

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## 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: 2450697**  
**Date Received :** Jun 11, 2024  
**Date Reported :** Jun 20, 2024  
**Report Number :** 2983774-1 C1

Page 3 of 6

**Sample Number** 2450697-2  
**Sampled Date** Jun 11, 2024 12:34 PM  
**Sample Description** Surface Water  
**Location** SW3 : คลองผ่านจุดระยะทางน้ำทิ้ง 1,000 เมตร  
**Date Analysis Commenced** Jun 11, 2024  
**Condition of Sample** Contained in two BOD bottles, one amber glass bottle, two glass vials 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

**Water Testing**

BOD *	mg/L	-	2	<2.0	≤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	5.7	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-D (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.09	≤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

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Photchanas Seeda  
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## 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: 2450697**  
Date Received : Jun 11, 2024  
Date Reported : Jun 20, 2024  
Report Number : 2983774-1 C1

Page 4 of 6

Sample Number	2450697-2							
Sampled Date	Jun 11, 2024 12:34 PM							
Sample Description	Surface Water							
Location	SW3 : แหล่งน้ำผิวน้ำจืดระยะน้ำเพียง 1,000 เมตร							
Date Analysis Commenced	Jun 11, 2024							
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials 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>								
pH at 25 degree C		-	-	7.4	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.0	(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	120	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	6	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 :** Paramet Sattayakun ทะเบียนเลขที่ ๖-323-๖-9476 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ๖-204-๖-0001

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.

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Approved by

Photchana S.

Photchana Seeda  
Scientist (4)

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## 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 :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2413939**  
**Date Received :** Mar 12, 2024  
**Date Reported :** Mar 15, 2024  
**Report Number:** 2937188-1

Page 1 of 1

<b>Sample Number</b>	2413939-1
<b>Parameter</b>	Noise (Leq 24 hrs.)
<b>Location</b>	N1 : หมู่ 10 บ้านนาบด
<b>Measurement Date</b>	Mar 01 - Mar 02, 2024
<b>Measurement by</b>	Jaradrawee Sriruksa
<b>Sound Level meter</b>	Serial No. 465461

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	47.5	67.1	40.4
11:00 AM - 12:00 PM	46.0	65.1	39.0
12:00 PM - 01:00 PM	44.4	64.8	38.6
01:00 PM - 02:00 PM	40.5	66.4	36.3
02:00 PM - 03:00 PM	41.4	59.4	37.3
03:00 PM - 04:00 PM	42.6	62.5	38.7
04:00 PM - 05:00 PM	43.9	68.2	39.3
05:00 PM - 06:00 PM	44.8	61.7	41.3
06:00 PM - 07:00 PM	53.9	86.3	40.4
07:00 PM - 08:00 PM	43.5	60.4	41.9
08:00 PM - 09:00 PM	43.7	62.9	41.6
09:00 PM - 10:00 PM	44.4	60.8	42.1
10:00 PM - 11:00 PM	46.7	67.2	43.9
11:00 PM - 12:00 AM	46.7	64.9	44.0
12:00 AM - 01:00 AM	47.8	67.2	44.1
01:00 AM - 02:00 AM	45.9	65.9	42.0
02:00 AM - 03:00 AM	44.5	62.7	41.7
03:00 AM - 04:00 AM	44.9	60.6	41.7
04:00 AM - 05:00 AM	45.9	65.9	41.8
05:00 AM - 06:00 AM	47.6	75.7	43.4
06:00 AM - 07:00 AM	49.4	65.4	45.2
07:00 AM - 08:00 AM	52.0	76.2	45.0
08:00 AM - 09:00 AM	47.8	61.7	43.7
09:00 AM - 10:00 AM	45.7	72.0	41.3

Leq Average 24 hrs. (dB(A))	47.1		
Lmax (dB(A))		86.3	
L90 (dB(A))			41.7
Ldn (dB(A))	53.3		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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S:\Reports\_Air Noise rpt (10 48AM)



## 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 :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2413939**  
**Date Received :** Mar 12, 2024  
**Date Reported :** Mar 15, 2024  
**Report Number:** 2937189-1

Page 1 of 1

<b>Sample Number</b>	2413939-2
<b>Parameter</b>	Noise (Leq 24 hrs.)
<b>Location</b>	N1 : หมู่ 10 บ้านนาบด
<b>Measurement Date</b>	Mar 02 - Mar 03, 2024
<b>Measurement by</b>	Jaradrawee Sriruksa
<b>Sound Level meter</b>	Serial No. 465461

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	46.6	66.5	41.6
11:00 AM - 12:00 PM	45.7	68.1	40.8
12:00 PM - 01:00 PM	43.6	63.3	38.1
01:00 PM - 02:00 PM	41.9	58.2	37.4
02:00 PM - 03:00 PM	43.6	62.4	39.1
03:00 PM - 04:00 PM	43.3	60.2	39.6
04:00 PM - 05:00 PM	44.5	67.8	41.0
05:00 PM - 06:00 PM	44.1	62.4	39.6
06:00 PM - 07:00 PM	46.3	68.0	39.3
07:00 PM - 08:00 PM	47.7	69.3	40.8
08:00 PM - 09:00 PM	44.5	64.8	41.3
09:00 PM - 10:00 PM	44.9	58.3	42.1
10:00 PM - 11:00 PM	47.6	64.7	44.6
11:00 PM - 12:00 AM	47.0	67.1	43.5
12:00 AM - 01:00 AM	48.0	65.4	44.8
01:00 AM - 02:00 AM	46.1	65.8	43.4
02:00 AM - 03:00 AM	45.5	59.5	43.0
03:00 AM - 04:00 AM	46.4	67.6	43.0
04:00 AM - 05:00 AM	45.9	66.7	42.7
05:00 AM - 06:00 AM	45.3	58.7	41.8
06:00 AM - 07:00 AM	48.1	70.1	44.5
07:00 AM - 08:00 AM	49.1	67.6	45.3
08:00 AM - 09:00 AM	47.1	68.5	43.4
09:00 AM - 10:00 AM	47.9	78.4	42.6

Leq Average 24 hrs. (dB(A))	46.2		
Lmax (dB(A))		78.4	
L90 (dB(A))			41.8
Ldn (dB(A))	53.1		
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

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Supot Salamteh  
Section Head

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S:\Reports\_Air Noise rpt (10 48AM)



## 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 : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

Lot ID: 2413939  
Date Received : Mar 12, 2024  
Date Reported : Mar 15, 2024  
Report Number: 2937190-1

Page 1 of 1

Sample Number	2413939-3
Parameter	Noise (Leq 24 hrs.)
Location	N1 : หมู่ 10 บ้านนาบดอง
Measurement Date	Mar 03 - Mar 04, 2024
Measurement by	Jaradrawee Sriruksa
Sound Level meter	Serial No. 465461

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	47.6	67.2	40.5
11:00 AM - 12:00 PM	46.1	65.2	39.1
12:00 PM - 01:00 PM	44.5	64.9	38.7
01:00 PM - 02:00 PM	40.6	66.5	36.4
02:00 PM - 03:00 PM	41.5	59.5	37.4
03:00 PM - 04:00 PM	42.7	62.6	38.8
04:00 PM - 05:00 PM	44.0	68.3	39.4
05:00 PM - 06:00 PM	44.9	61.8	41.4
06:00 PM - 07:00 PM	54.0	86.4	40.5
07:00 PM - 08:00 PM	43.7	60.6	42.1
08:00 PM - 09:00 PM	43.9	63.1	41.8
09:00 PM - 10:00 PM	44.6	61.0	42.3
10:00 PM - 11:00 PM	46.9	67.4	44.1
11:00 PM - 12:00 AM	46.9	65.1	44.2
12:00 AM - 01:00 AM	48.0	67.4	44.3
01:00 AM - 02:00 AM	46.1	66.1	42.2
02:00 AM - 03:00 AM	44.7	62.9	41.9
03:00 AM - 04:00 AM	45.1	60.8	41.9
04:00 AM - 05:00 AM	46.1	66.1	42.0
05:00 AM - 06:00 AM	47.8	75.9	43.6
06:00 AM - 07:00 AM	49.6	65.6	45.4
07:00 AM - 08:00 AM	52.3	76.5	45.3
08:00 AM - 09:00 AM	48.1	62.0	44.0
09:00 AM - 10:00 AM	46.0	72.3	41.6

Leq Average 24 hrs. (dB(A)) 47.3  
Lmax (dB(A)) 86.4  
L90 (dB(A)) 41.9  
Ldn (dB(A)) 53.5  
Standard (dB(A)) 70  
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

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S:\Reports\Air Noise.rpt (10-48AM)



## 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 : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

Lot ID: 2413939  
Date Received : Mar 12, 2024  
Date Reported : Mar 15, 2024  
Report Number: 2937191-1

Page 1 of 1

Sample Number	2413939-4
Parameter	Noise (Leq 24 hrs.)
Location	N1 : หมู่ 10 บ้านนาบดอง
Measurement Date	Mar 04 - Mar 05, 2024
Measurement by	Jaradrawee Sriruksa
Sound Level meter	Serial No. 465461

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	46.9	66.8	41.9
11:00 AM - 12:00 PM	46.0	68.4	41.1
12:00 PM - 01:00 PM	43.9	63.6	38.4
01:00 PM - 02:00 PM	42.2	58.5	37.7
02:00 PM - 03:00 PM	43.9	62.7	39.4
03:00 PM - 04:00 PM	43.6	60.5	39.9
04:00 PM - 05:00 PM	44.8	68.1	41.3
05:00 PM - 06:00 PM	44.4	62.7	39.9
06:00 PM - 07:00 PM	46.6	68.3	39.6
07:00 PM - 08:00 PM	44.1	67.4	40.6
08:00 PM - 09:00 PM	43.7	62.0	39.2
09:00 PM - 10:00 PM	45.9	67.6	38.9
10:00 PM - 11:00 PM	47.3	68.9	40.4
11:00 PM - 12:00 AM	44.1	64.4	40.9
12:00 AM - 01:00 AM	44.5	57.9	41.7
01:00 AM - 02:00 AM	47.2	64.3	44.2
02:00 AM - 03:00 AM	46.6	66.7	43.1
03:00 AM - 04:00 AM	47.6	65.0	44.4
04:00 AM - 05:00 AM	45.7	65.4	43.0
05:00 AM - 06:00 AM	45.1	59.1	42.6
06:00 AM - 07:00 AM	46.0	67.2	42.6
07:00 AM - 08:00 AM	45.5	66.3	42.3
08:00 AM - 09:00 AM	45.5	58.9	42.0
09:00 AM - 10:00 AM	48.3	70.3	44.7

Leq Average 24 hrs. (dB(A)) 45.6  
Lmax (dB(A)) 70.3  
L90 (dB(A)) 41.1  
Ldn (dB(A)) 52.5  
Standard (dB(A)) 70  
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

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S:\Reports\Air Noise.rpt (10-49AM)



## 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 :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2413939**  
**Date Received :** Mar 12, 2024  
**Date Reported :** Mar 15, 2024  
**Report Number:** 2937192-1

Page 1 of 1

<b>Sample Number</b>	2413939-5
<b>Parameter</b>	Noise (Leq 24 hrs.)
<b>Location</b>	N1 : หมู่ 10 บ้านนาตอง
<b>Measurement Date</b>	Mar 05 - Mar 06, 2024
<b>Measurement by</b>	Jaradrawee Sriruksa
<b>Sound Level meter</b>	Serial No. 465461

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.3	67.8	45.5
11:00 AM - 12:00 PM	47.3	68.7	43.6
12:00 PM - 01:00 PM	48.1	78.6	42.8
01:00 PM - 02:00 PM	47.8	67.4	40.7
02:00 PM - 03:00 PM	46.3	65.4	39.3
03:00 PM - 04:00 PM	44.7	65.1	38.9
04:00 PM - 05:00 PM	40.8	66.7	36.6
05:00 PM - 06:00 PM	41.7	59.7	37.6
06:00 PM - 07:00 PM	42.9	62.8	39.0
07:00 PM - 08:00 PM	44.2	68.5	39.6
08:00 PM - 09:00 PM	45.1	62.0	41.6
09:00 PM - 10:00 PM	54.2	86.6	40.7
10:00 PM - 11:00 PM	44.1	61.0	42.5
11:00 PM - 12:00 AM	44.3	63.5	42.2
12:00 AM - 01:00 AM	45.0	61.4	42.7
01:00 AM - 02:00 AM	47.3	67.8	44.5
02:00 AM - 03:00 AM	47.3	65.5	44.6
03:00 AM - 04:00 AM	48.4	67.8	44.7
04:00 AM - 05:00 AM	46.5	66.5	42.6
05:00 AM - 06:00 AM	45.1	63.3	42.3
06:00 AM - 07:00 AM	45.5	61.2	42.3
07:00 AM - 08:00 AM	46.5	66.5	42.4
08:00 AM - 09:00 AM	48.2	76.3	44.0
09:00 AM - 10:00 AM	50.0	66.0	45.8

Leq Average 24 hrs. (dB(A))	47.3		
Lmax (dB(A))		86.6	
L90 (dB(A))			42.3
Ldn (dB(A))	52.9		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

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Supot Salamteh  
Section Head

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## 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 :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2413939**  
**Date Received :** Mar 12, 2024  
**Date Reported :** Mar 15, 2024  
**Report Number:** 2937193-1

Page 1 of 1

<b>Sample Number</b>	2413939-6
<b>Parameter</b>	Noise (Leq 24 hrs.)
<b>Location</b>	N1 : หมู่ 10 บ้านนาตอง
<b>Measurement Date</b>	Mar 06 - Mar 07, 2024
<b>Measurement by</b>	Jaradrawee Sriruksa
<b>Sound Level meter</b>	Serial No. 465461

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	47.2	66.8	40.1
11:00 AM - 12:00 PM	45.7	64.8	38.7
12:00 PM - 01:00 PM	44.1	64.5	38.3
01:00 PM - 02:00 PM	40.2	66.1	36.0
02:00 PM - 03:00 PM	41.1	59.1	37.0
03:00 PM - 04:00 PM	42.3	62.2	38.4
04:00 PM - 05:00 PM	43.6	67.9	39.0
05:00 PM - 06:00 PM	44.6	61.5	41.1
06:00 PM - 07:00 PM	53.7	86.1	40.2
07:00 PM - 08:00 PM	43.3	60.2	41.7
08:00 PM - 09:00 PM	43.5	62.7	41.4
09:00 PM - 10:00 PM	44.2	60.6	41.9
10:00 PM - 11:00 PM	46.5	67.0	43.7
11:00 PM - 12:00 AM	46.5	64.7	43.8
12:00 AM - 01:00 AM	47.6	67.0	43.9
01:00 AM - 02:00 AM	45.7	65.7	41.8
02:00 AM - 03:00 AM	44.2	62.4	41.4
03:00 AM - 04:00 AM	44.6	60.3	41.4
04:00 AM - 05:00 AM	45.6	65.6	41.5
05:00 AM - 06:00 AM	47.3	75.4	43.1
06:00 AM - 07:00 AM	49.1	65.1	44.9
07:00 AM - 08:00 AM	51.7	75.9	44.7
08:00 AM - 09:00 AM	47.5	61.4	43.4
09:00 AM - 10:00 AM	45.4	71.7	41.0

Leq Average 24 hrs. (dB(A))	46.8		
Lmax (dB(A))		86.1	
L90 (dB(A))			41.4
Ldn (dB(A))	53.1		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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S:\Reports\_Air Noise rpl (10.49AM)



## 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 : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

Lot ID: 2413939  
Date Received : Mar 12, 2024  
Date Reported : Mar 15, 2024  
Report Number: 2937194-1

Page 1 of 1

Sample Number	2413939-7
Parameter	Noise (Leq 24 hrs.)
Location	N1 : หมู่ 10 บ้านนาเกลือ
Measurement Date	Mar 07 - Mar 08, 2024
Measurement by	Jaradrawee Sriruksa
Sound Level meter	Serial No. 465461

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	46.3	66.2	41.3
11:00 AM - 12:00 PM	45.6	68.0	40.7
12:00 PM - 01:00 PM	43.5	63.2	38.0
01:00 PM - 02:00 PM	41.8	58.1	37.3
02:00 PM - 03:00 PM	43.5	62.3	39.0
03:00 PM - 04:00 PM	43.2	60.1	39.5
04:00 PM - 05:00 PM	44.4	67.7	40.9
05:00 PM - 06:00 PM	44.0	62.3	39.5
06:00 PM - 07:00 PM	46.2	67.9	39.2
07:00 PM - 08:00 PM	47.6	69.2	40.7
08:00 PM - 09:00 PM	44.4	64.7	41.2
09:00 PM - 10:00 PM	44.7	58.1	41.9
10:00 PM - 11:00 PM	47.4	64.5	44.4
11:00 PM - 12:00 AM	46.8	66.9	43.3
12:00 AM - 01:00 AM	47.8	65.2	44.6
01:00 AM - 02:00 AM	45.9	65.6	43.2
02:00 AM - 03:00 AM	45.3	59.3	42.8
03:00 AM - 04:00 AM	46.2	67.4	42.8
04:00 AM - 05:00 AM	45.6	66.4	42.4
05:00 AM - 06:00 AM	45.0	58.4	41.5
06:00 AM - 07:00 AM	47.8	69.8	44.2
07:00 AM - 08:00 AM	48.8	67.3	45.0
08:00 AM - 09:00 AM	46.8	68.2	43.1
09:00 AM - 10:00 AM	47.6	78.1	42.3

Leq Average 24 hrs. (dB(A)) 46.0  
Lmax (dB(A)) 78.1  
L90 (dB(A)) 41.5  
Ldn (dB(A)) 52.8  
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

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6872-21/ EMAIL



## 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 : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

Lot ID: 2413937  
Date Received : Mar 12, 2024  
Date Reported : Mar 15, 2024  
Report Number: 2937181-1

Page 1 of 1

Sample Number	2413937-1
Parameter	Noise (Leq 24 hrs.)
Location	N2 : ริมรั้วโครงการระยะที่ 1 ทางด้านทิศเหนือ
Measurement Date	Mar 01 - Mar 02, 2024
Measurement by	Jaradrawee Sriruksa
Sound Level meter	Serial No. 1173611

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	58.7	75.9	58.0
11:00 AM - 12:00 PM	58.8	75.3	58.0
12:00 PM - 01:00 PM	59.4	69.9	58.4
01:00 PM - 02:00 PM	59.3	72.2	58.4
02:00 PM - 03:00 PM	59.3	68.3	58.5
03:00 PM - 04:00 PM	59.3	70.0	58.6
04:00 PM - 05:00 PM	59.0	79.3	57.3
05:00 PM - 06:00 PM	64.6	72.1	57.8
06:00 PM - 07:00 PM	68.2	79.1	62.1
07:00 PM - 08:00 PM	61.6	72.1	58.6
08:00 PM - 09:00 PM	58.6	73.1	57.8
09:00 PM - 10:00 PM	58.7	71.9	57.8
10:00 PM - 11:00 PM	58.9	75.7	57.9
11:00 PM - 12:00 AM	58.5	68.2	57.1
12:00 AM - 01:00 AM	57.6	71.3	57.0
01:00 AM - 02:00 AM	57.4	61.4	56.9
02:00 AM - 03:00 AM	56.9	59.6	56.5
03:00 AM - 04:00 AM	56.8	71.4	56.3
04:00 AM - 05:00 AM	57.1	61.3	56.4
05:00 AM - 06:00 AM	64.1	74.5	57.3
06:00 AM - 07:00 AM	57.7	81.1	56.2
07:00 AM - 08:00 AM	57.3	75.1	56.0
08:00 AM - 09:00 AM	56.6	71.3	55.9
09:00 AM - 10:00 AM	57.0	77.8	55.7

Leq Average 24 hrs. (dB(A)) 60.5  
Lmax (dB(A)) 81.1  
L90 (dB(A)) 57.3  
Ldn (dB(A)) 65.8  
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

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6872-21/ EMAIL



## 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 :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2413937**  
Date Received : Mar 12, 2024  
Date Reported : Mar 15, 2024  
Report Number: 2937182-1

Page 1 of 1

**Sample Number** 2413937-2  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N2 : ริมรั้วโครงการระยะที่ 1 ทางด้านทิศเหนือ  
**Measurement Date** Mar 02 - Mar 03, 2024  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 1173611

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.2	66.3	55.6
11:00 AM - 12:00 PM	56.6	75.0	55.4
12:00 PM - 01:00 PM	56.3	74.5	55.4
01:00 PM - 02:00 PM	57.7	74.5	56.3
02:00 PM - 03:00 PM	56.9	69.9	56.1
03:00 PM - 04:00 PM	57.3	77.5	56.1
04:00 PM - 05:00 PM	57.1	75.0	56.3
05:00 PM - 06:00 PM	60.3	69.6	56.4
06:00 PM - 07:00 PM	62.4	70.9	57.7
07:00 PM - 08:00 PM	58.0	70.7	57.5
08:00 PM - 09:00 PM	57.9	62.9	57.4
09:00 PM - 10:00 PM	57.0	63.4	56.6
10:00 PM - 11:00 PM	57.0	65.1	56.6
11:00 PM - 12:00 AM	57.2	61.4	56.4
12:00 AM - 01:00 AM	57.3	62.0	56.9
01:00 AM - 02:00 AM	57.2	60.9	56.9
02:00 AM - 03:00 AM	57.3	61.0	57.0
03:00 AM - 04:00 AM	56.8	61.7	56.4
04:00 AM - 05:00 AM	57.3	61.5	56.5
05:00 AM - 06:00 AM	59.4	77.2	57.5
06:00 AM - 07:00 AM	57.7	74.8	56.3
07:00 AM - 08:00 AM	56.9	66.6	56.2
08:00 AM - 09:00 AM	56.7	73.4	56.0
09:00 AM - 10:00 AM	56.3	63.7	55.7

Leq Average 24 hrs. (dB(A)) 57.8  
Lmax (dB(A)) 77.5  
L90 (dB(A)) 56.4  
Ldn (dB(A)) 64.0  
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

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Supot Salamteh  
Section Head

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## 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 :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2413937**  
Date Received : Mar 12, 2024  
Date Reported : Mar 15, 2024  
Report Number: 2937183-1

Page 1 of 1

**Sample Number** 2413937-3  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N2 : ริมรั้วโครงการระยะที่ 1 ทางด้านทิศเหนือ  
**Measurement Date** Mar 03 - Mar 04, 2024  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 1173611

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.9	71.2	56.1
11:00 AM - 12:00 PM	56.8	67.7	56.1
12:00 PM - 01:00 PM	56.4	71.2	55.8
01:00 PM - 02:00 PM	56.7	67.9	56.2
02:00 PM - 03:00 PM	56.8	66.7	56.2
03:00 PM - 04:00 PM	56.7	63.6	56.2
04:00 PM - 05:00 PM	57.1	65.5	56.6
05:00 PM - 06:00 PM	61.7	70.0	56.9
06:00 PM - 07:00 PM	61.5	69.2	57.0
07:00 PM - 08:00 PM	57.0	61.8	56.6
08:00 PM - 09:00 PM	57.2	66.4	56.6
09:00 PM - 10:00 PM	57.3	64.6	56.8
10:00 PM - 11:00 PM	57.8	64.3	57.0
11:00 PM - 12:00 AM	57.3	63.8	56.8
12:00 AM - 01:00 AM	57.2	62.9	56.8
01:00 AM - 02:00 AM	57.1	63.2	56.7
02:00 AM - 03:00 AM	57.2	63.1	56.8
03:00 AM - 04:00 AM	57.2	63.4	56.8
04:00 AM - 05:00 AM	57.6	62.7	56.8
05:00 AM - 06:00 AM	59.1	65.5	57.7
06:00 AM - 07:00 AM	57.4	72.4	56.4
07:00 AM - 08:00 AM	59.1	79.8	57.7
08:00 AM - 09:00 AM	58.9	76.5	58.1
09:00 AM - 10:00 AM	59.3	70.8	58.4

Leq Average 24 hrs. (dB(A)) 58.1  
Lmax (dB(A)) 79.8  
L90 (dB(A)) 56.8  
Ldn (dB(A)) 64.1  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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Supot Salamteh  
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## Analysis / Test Report



TESTING  
No.0042

Lot ID: 2413937

Date Received : Mar 12, 2024

Date Reported : Mar 15, 2024

Report Number: 2937184-1

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

P/O : 2024-1022

Project Name : EIA Monitoring

Project Location :

Page 1 of 1

Sample Number	2413937-4
Parameter	Noise (Leq 24 hrs.)
Location	N2 : ครัวโรงการระยะที่ 1 ทางด้านทิศเหนือ
Measurement Date	Mar 04 - Mar 05, 2024
Measurement by	Jaradrawee Sriuksa
Sound Level meter	Serial No. 1173611

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.4	70.8	58.7
11:00 AM - 12:00 PM	59.5	70.5	58.8
12:00 PM - 01:00 PM	59.7	69.6	58.8
01:00 PM - 02:00 PM	59.5	67.7	58.7
02:00 PM - 03:00 PM	59.9	75.3	58.7
03:00 PM - 04:00 PM	60.0	70.6	59.2
04:00 PM - 05:00 PM	65.5	85.9	59.0
05:00 PM - 06:00 PM	63.1	70.7	58.8
06:00 PM - 07:00 PM	62.8	70.3	59.5
07:00 PM - 08:00 PM	59.7	67.5	59.1
08:00 PM - 09:00 PM	59.8	71.2	59.3
09:00 PM - 10:00 PM	60.0	76.2	59.0
10:00 PM - 11:00 PM	59.4	73.6	58.5
11:00 PM - 12:00 AM	60.3	72.9	58.9
12:00 AM - 01:00 AM	59.7	62.4	59.0
01:00 AM - 02:00 AM	59.8	62.4	59.1
02:00 AM - 03:00 AM	59.8	62.9	59.2
03:00 AM - 04:00 AM	59.8	62.3	59.1
04:00 AM - 05:00 AM	60.0	63.2	59.3
05:00 AM - 06:00 AM	60.7	73.5	59.1
06:00 AM - 07:00 AM	59.6	74.8	58.5
07:00 AM - 08:00 AM	59.9	73.2	58.5
08:00 AM - 09:00 AM	59.5	74.4	58.5
09:00 AM - 10:00 AM	59.7	73.7	58.3

Leq Average 24 hrs. (dB(A))	60.6		
Lmax (dB(A))		85.9	
L90 (dB(A))			58.9
Ldn (dB(A))	66.5		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

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## Analysis / Test Report



TESTING  
No.0042

Lot ID: 2413937

Date Received : Mar 12, 2024

Date Reported : Mar 15, 2024

Report Number: 2937185-1

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

P/O : 2024-1022

Project Name : EIA Monitoring

Project Location :

Page 1 of 1

Sample Number	2413937-5
Parameter	Noise (Leq 24 hrs.)
Location	N2 : ครัวโรงการระยะที่ 1 ทางด้านทิศเหนือ
Measurement Date	Mar 05 - Mar 06, 2024
Measurement by	Jaradrawee Sriuksa
Sound Level meter	Serial No. 1173611

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	58.8	69.9	58.1
11:00 AM - 12:00 PM	59.6	72.7	58.5
12:00 PM - 01:00 PM	59.4	75.2	58.3
01:00 PM - 02:00 PM	59.3	71.5	58.4
02:00 PM - 03:00 PM	59.3	74.1	58.4
03:00 PM - 04:00 PM	60.2	78.8	58.4
04:00 PM - 05:00 PM	59.5	74.8	58.2
05:00 PM - 06:00 PM	63.0	72.8	58.4
06:00 PM - 07:00 PM	63.4	72.6	59.7
07:00 PM - 08:00 PM	62.2	84.0	59.3
08:00 PM - 09:00 PM	60.2	72.8	59.3
09:00 PM - 10:00 PM	59.9	70.6	59.2
10:00 PM - 11:00 PM	60.2	71.3	59.4
11:00 PM - 12:00 AM	60.3	80.5	59.4
12:00 AM - 01:00 AM	60.0	65.2	59.5
01:00 AM - 02:00 AM	59.9	62.1	59.3
02:00 AM - 03:00 AM	59.3	61.1	58.8
03:00 AM - 04:00 AM	59.6	62.3	58.9
04:00 AM - 05:00 AM	60.3	66.5	59.4
05:00 AM - 06:00 AM	61.5	69.7	60.4
06:00 AM - 07:00 AM	59.9	75.9	58.9
07:00 AM - 08:00 AM	60.1	77.8	58.9
08:00 AM - 09:00 AM	59.9	89.1	58.3
09:00 AM - 10:00 AM	59.7	88.9	58.1

Leq Average 24 hrs. (dB(A))	60.4		
Lmax (dB(A))		89.1	
L90 (dB(A))			58.9
Ldn (dB(A))	66.6		
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

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## 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 :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2413937**  
Date Received : Mar 12, 2024  
Date Reported : Mar 15, 2024  
Report Number: 2937186-1

Page 1 of 1

**Sample Number** 2413937-6  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N2 : บริเวณโครงการระยะที่ 1 ทางด้านทิศเหนือ  
**Measurement Date** Mar 06 - Mar 07, 2024  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 1173611

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.3	75.0	58.4
11:00 AM - 12:00 PM	59.4	74.2	58.2
12:00 PM - 01:00 PM	59.0	65.1	58.2
01:00 PM - 02:00 PM	59.0	72.3	58.1
02:00 PM - 03:00 PM	59.1	67.7	58.3
03:00 PM - 04:00 PM	59.1	67.0	58.4
04:00 PM - 05:00 PM	59.6	76.3	58.6
05:00 PM - 06:00 PM	59.6	70.8	59.0
06:00 PM - 07:00 PM	65.3	75.9	59.7
07:00 PM - 08:00 PM	60.2	68.7	59.4
08:00 PM - 09:00 PM	60.3	73.9	59.6
09:00 PM - 10:00 PM	60.0	75.7	59.0
10:00 PM - 11:00 PM	59.0	70.3	58.1
11:00 PM - 12:00 AM	59.3	75.8	58.1
12:00 AM - 01:00 AM	59.6	67.0	59.0
01:00 AM - 02:00 AM	59.5	62.2	58.8
02:00 AM - 03:00 AM	59.4	64.9	58.6
03:00 AM - 04:00 AM	59.7	64.5	58.9
04:00 AM - 05:00 AM	59.8	64.0	59.2
05:00 AM - 06:00 AM	60.9	65.3	60.0
06:00 AM - 07:00 AM	61.0	77.5	59.5
07:00 AM - 08:00 AM	60.0	78.7	58.4
08:00 AM - 09:00 AM	60.3	76.6	58.1
09:00 AM - 10:00 AM	58.8	69.4	57.7

Leq Average 24 hrs. (dB(A)) 60.1  
Lmax (dB(A)) 78.7  
L90 (dB(A)) 58.6  
Ldn (dB(A)) 66.3  
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.

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## Analysis / Test Report



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No.0042

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2413937**  
Date Received : Mar 12, 2024  
Date Reported : Mar 15, 2024  
Report Number: 2937187-1

Page 1 of 1

**Sample Number** 2413937-7  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N2 : บริเวณโครงการระยะที่ 1 ทางด้านทิศเหนือ  
**Measurement Date** Mar 07 - Mar 08, 2024  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 1173611

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	58.4	71.9	57.6
11:00 AM - 12:00 PM	58.5	74.1	57.7
12:00 PM - 01:00 PM	59.2	66.8	58.1
01:00 PM - 02:00 PM	58.9	70.6	57.8
02:00 PM - 03:00 PM	59.2	76.6	58.1
03:00 PM - 04:00 PM	59.4	76.2	58.5
04:00 PM - 05:00 PM	60.2	73.0	58.4
05:00 PM - 06:00 PM	60.1	78.5	58.9
06:00 PM - 07:00 PM	65.7	74.8	59.4
07:00 PM - 08:00 PM	60.4	75.1	59.0
08:00 PM - 09:00 PM	60.1	74.7	59.2
09:00 PM - 10:00 PM	60.4	75.2	59.3
10:00 PM - 11:00 PM	59.0	69.3	58.2
11:00 PM - 12:00 AM	58.8	67.6	57.7
12:00 AM - 01:00 AM	59.7	78.0	58.3
01:00 AM - 02:00 AM	59.2	65.2	58.5
02:00 AM - 03:00 AM	59.2	64.4	58.6
03:00 AM - 04:00 AM	59.1	63.9	58.5
04:00 AM - 05:00 AM	59.1	64.5	58.5
05:00 AM - 06:00 AM	61.0	70.0	59.5
06:00 AM - 07:00 AM	60.1	74.9	58.0
07:00 AM - 08:00 AM	59.1	72.9	58.1
08:00 AM - 09:00 AM	59.2	74.0	58.2
09:00 AM - 10:00 AM	59.3	74.1	58.3

Leq Average 24 hrs. (dB(A)) 60.0  
Lmax (dB(A)) 78.5  
L90 (dB(A)) 58.3  
Ldn (dB(A)) 66.1  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

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## ระดับเสียงในบริเวณทำงาน

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2413926**  
Date Received : Mar 26, 2024  
Date Reported : Mar 30, 2024  
Report Number: 2952281-1

Page 1 of 1

<b>Sample Number</b>	2413926-1		
<b>Parameter</b>	Noise (Leq 8 hrs.)		
<b>Location</b>	Gas Turbine Generator		
<b>Measurement Date</b>	Mar 25, 2024		
<b>Measurement by</b>	Sawai Tonpho		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	83.9	84.9	83.6
11:00 AM - 12:00 PM	84.3	86.2	83.9
12:00 PM - 01:00 PM	85.2	86.4	84.8
01:00 PM - 02:00 PM	85.1	86.1	84.8
02:00 PM - 03:00 PM	85.0	86.0	84.8
03:00 PM - 04:00 PM	85.1	86.2	84.9
04:00 PM - 05:00 PM	85.2	86.1	85.0
05:00 PM - 06:00 PM	85.4	86.3	85.2
Leq Average 8 hrs. (dB(A))	84.9		
Lmax (dB(A))		86.4	
Standard (dB(A))	90	140	
Reference Method : ISO1996-1 and 1996-2			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			



## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2461003**  
Date Received : Jun 03, 2024  
Date Reported : Jun 07, 2024  
Report Number: 3016743-1

Page 1 of 1

<b>Sample Number</b>	2461003-1		
<b>Parameter</b>	Noise (Leq 8 hrs.)		
<b>Location</b>	Gas Turbine Generator		
<b>Measurement Date</b>	Jun 03, 2024		
<b>Measurement by</b>	Tarin Octjinda		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:40 AM - 09:40 AM	83.5	84.9	83.2
09:40 AM - 10:40 AM	83.3	85.1	83.0
10:40 AM - 11:40 AM	83.3	84.5	83.0
11:40 AM - 12:40 PM	83.2	84.7	82.9
12:40 PM - 01:40 PM	83.2	84.5	82.9
01:40 PM - 02:40 PM	83.2	84.4	82.9
02:40 PM - 03:40 PM	83.2	84.6	82.9
03:40 PM - 04:40 PM	83.2	84.5	83.0
Leq Average 8 hrs. (dB(A))	83.3		
Lmax (dB(A))		85.1	
Standard (dB(A))	90	140	
Reference Method : ISO1996-1 and 1996-2			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2413926**  
Date Received : Mar 26, 2024  
Date Reported : Mar 30, 2024  
Report Number: 2952282-1

Page 1 of 1

<b>Sample Number</b>	2413926-2		
<b>Parameter</b>	Noise (Leq 8 hrs.)		
<b>Location</b>	Air Compressor		
<b>Measurement Date</b>	Mar 25, 2024		
<b>Measurement by</b>	Sawai Tonpho		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	80.8	86.1	80.3
11:00 AM - 12:00 PM	81.0	86.0	80.5
12:00 PM - 01:00 PM	80.7	85.8	80.1
01:00 PM - 02:00 PM	80.6	85.6	80.1
02:00 PM - 03:00 PM	80.6	85.4	80.1
03:00 PM - 04:00 PM	80.6	85.5	80.1
04:00 PM - 05:00 PM	80.7	85.5	80.2
05:00 PM - 06:00 PM	80.6	85.7	80.0
Leq Average 8 hrs. (dB(A))	80.7		
Lmax (dB(A))		86.1	
Standard (dB(A))	90	140	
Reference Method : ISO1996-1 and 1996-2			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖			



## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2461003**  
Date Received : Jun 03, 2024  
Date Reported : Jun 07, 2024  
Report Number: 3016744-1

Page 1 of 1

<b>Sample Number</b>	2461003-2		
<b>Parameter</b>	Noise (Leq 8 hrs.)		
<b>Location</b>	Air Compressor		
<b>Measurement Date</b>	Jun 03, 2024		
<b>Measurement by</b>	Tarin Octjinda		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:26 AM - 09:26 AM	78.5	84.3	77.8
09:26 AM - 10:26 AM	78.9	88.0	77.9
10:26 AM - 11:26 AM	79.0	84.3	78.2
11:26 AM - 12:26 PM	78.8	83.2	78.1
12:26 PM - 01:26 PM	78.9	84.4	78.3
01:26 PM - 02:26 PM	78.9	83.5	78.2
02:26 PM - 03:26 PM	78.9	83.5	78.2
03:26 PM - 04:26 PM	78.9	83.5	78.2
Leq Average 8 hrs. (dB(A))	78.9		
Lmax (dB(A))		88.0	
Standard (dB(A))	90	140	
Reference Method : ISO1996-1 and 1996-2			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖			

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Supot Salamteh  
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## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2413926**  
Date Received : Mar 26, 2024  
Date Reported : Mar 30, 2024  
Report Number: 2952283-1

Page 1 of 1

<b>Sample Number</b>	2413926-3		
<b>Parameter</b>	Noise (Leq 8 hrs.)		
<b>Location</b>	Steam Turbine Generator		
<b>Measurement Date</b>	Mar 25, 2024		
<b>Measurement by</b>	Sawai Tonpho		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	82.5	83.5	82.3
11:00 AM - 12:00 PM	82.5	83.6	82.4
12:00 PM - 01:00 PM	82.6	83.6	82.4
01:00 PM - 02:00 PM	82.9	83.7	82.6
02:00 PM - 03:00 PM	82.7	83.6	82.5
03:00 PM - 04:00 PM	82.8	83.7	82.6
04:00 PM - 05:00 PM	82.9	83.9	82.7
05:00 PM - 06:00 PM	82.8	83.8	82.6
Leq Average 8 hrs. (dB(A))	82.7		
Lmax (dB(A))		83.9	
Standard (dB(A))	90	140	
Reference Method : ISO1996-1 and 1996-2			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			



## Analysis / Test Report

**Client :** General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
**P/O :** 2024-1022  
**Project Name :** EIA Monitoring  
**Project Location :**

**Lot ID: 2461003**  
Date Received : Jun 03, 2024  
Date Reported : Jun 07, 2024  
Report Number: 3016745-1

Page 1 of 1

<b>Sample Number</b>	2461003-3		
<b>Parameter</b>	Noise (Leq 8 hrs.)		
<b>Location</b>	Steam Turbine Generator		
<b>Measurement Date</b>	Jun 03, 2024		
<b>Measurement by</b>	Tarin Octjinda		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:34 AM - 09:34 AM	80.3	83.3	80.2
09:34 AM - 10:34 AM	80.3	82.8	80.1
10:34 AM - 11:34 AM	80.2	81.0	80.0
11:34 AM - 12:34 PM	80.1	81.0	79.9
12:34 PM - 01:34 PM	80.1	81.0	80.0
01:34 PM - 02:34 PM	80.1	81.0	80.0
02:34 PM - 03:34 PM	80.1	81.0	79.9
03:34 PM - 04:34 PM	80.0	80.9	79.9
Leq Average 8 hrs. (dB(A))	80.2		
Lmax (dB(A))		83.3	
Standard (dB(A))	90	140	
Reference Method : ISO1996-1 and 1996-2			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๕๖			

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# Noise Contour Map

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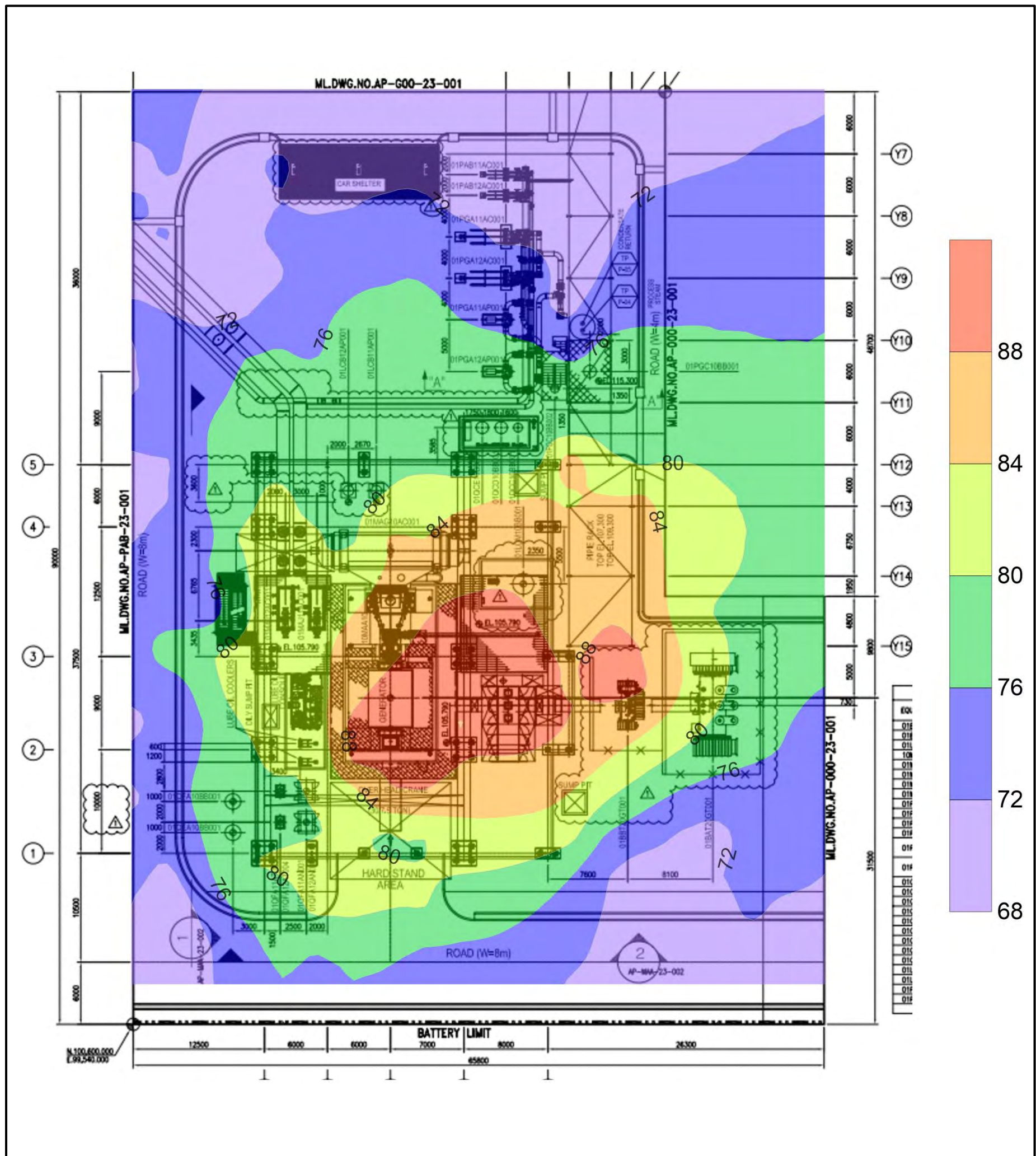


# Noise Contour Map

Reference Number : Lot 2439489-1

General Electric International Operations Company Inc. Measurement Date : Apr 24, 2024

(Steam Turbine Area ชั้น 1 ตรวจวัดแบบปกติ)







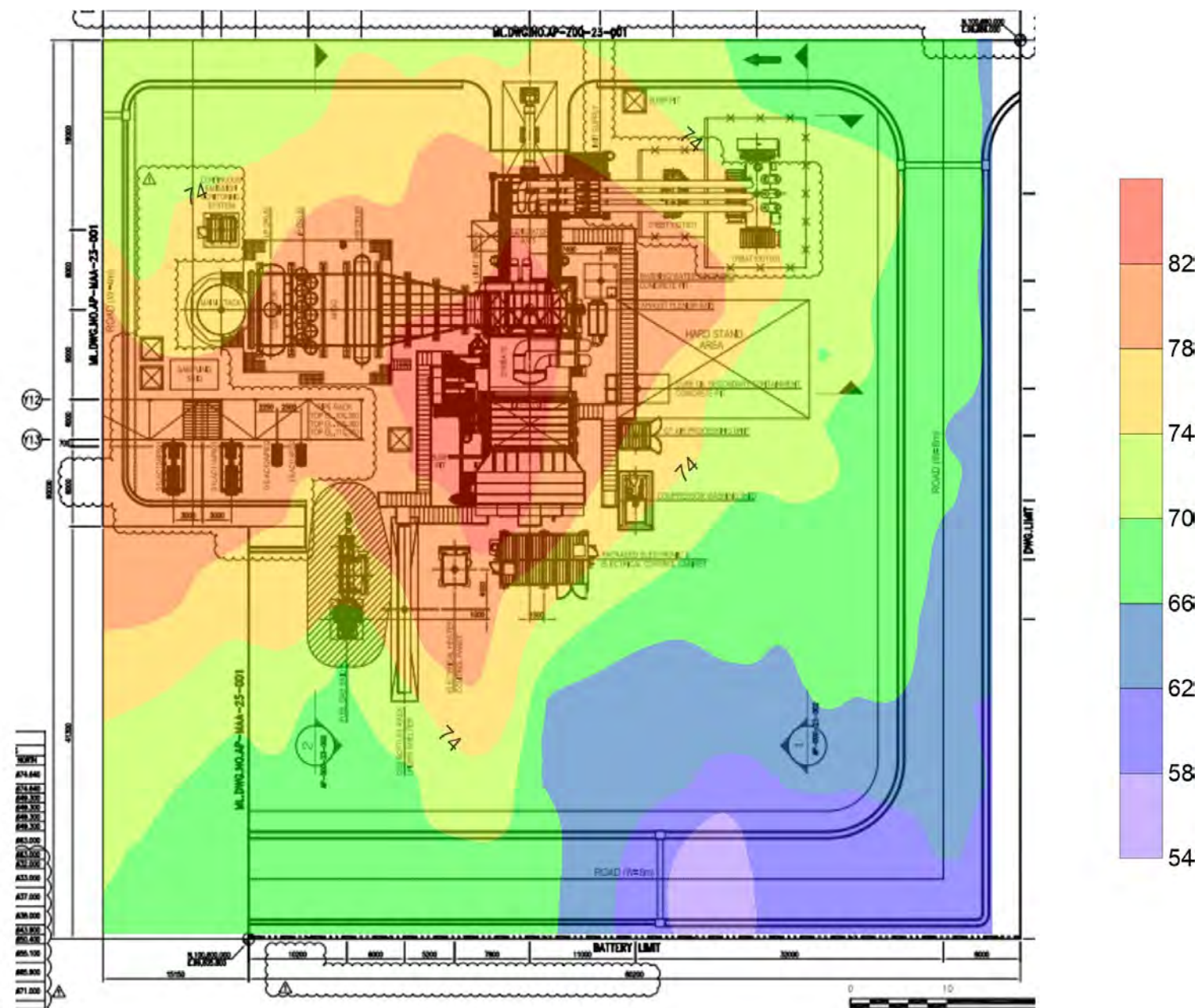
# Noise Contour Map

General Electric International Operations Company Inc.

(Gas Turbine Area and HRSG Area ตรวจวัดแบบปกติ)

Reference Number : Lot 2439493-1

Measurement Date : Apr 24, 2024



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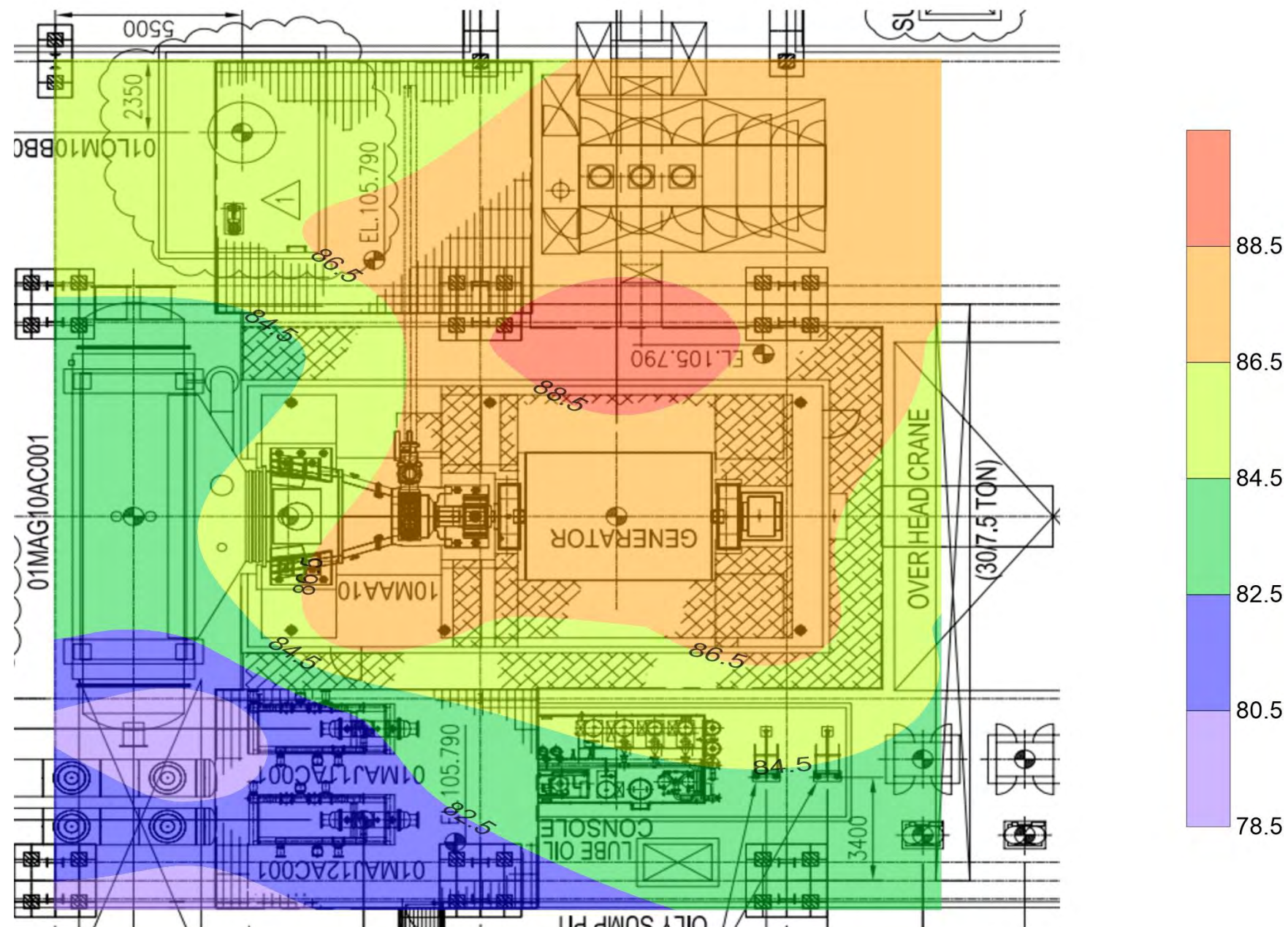
# Noise Contour Map

General Electric International Operations Company Inc.

(Stream Turbine Area ชั้น 2 ตรวจวัดแบบปกติ)

Reference Number : Lot 2439494-1

Measurement Date : Apr 24, 2024



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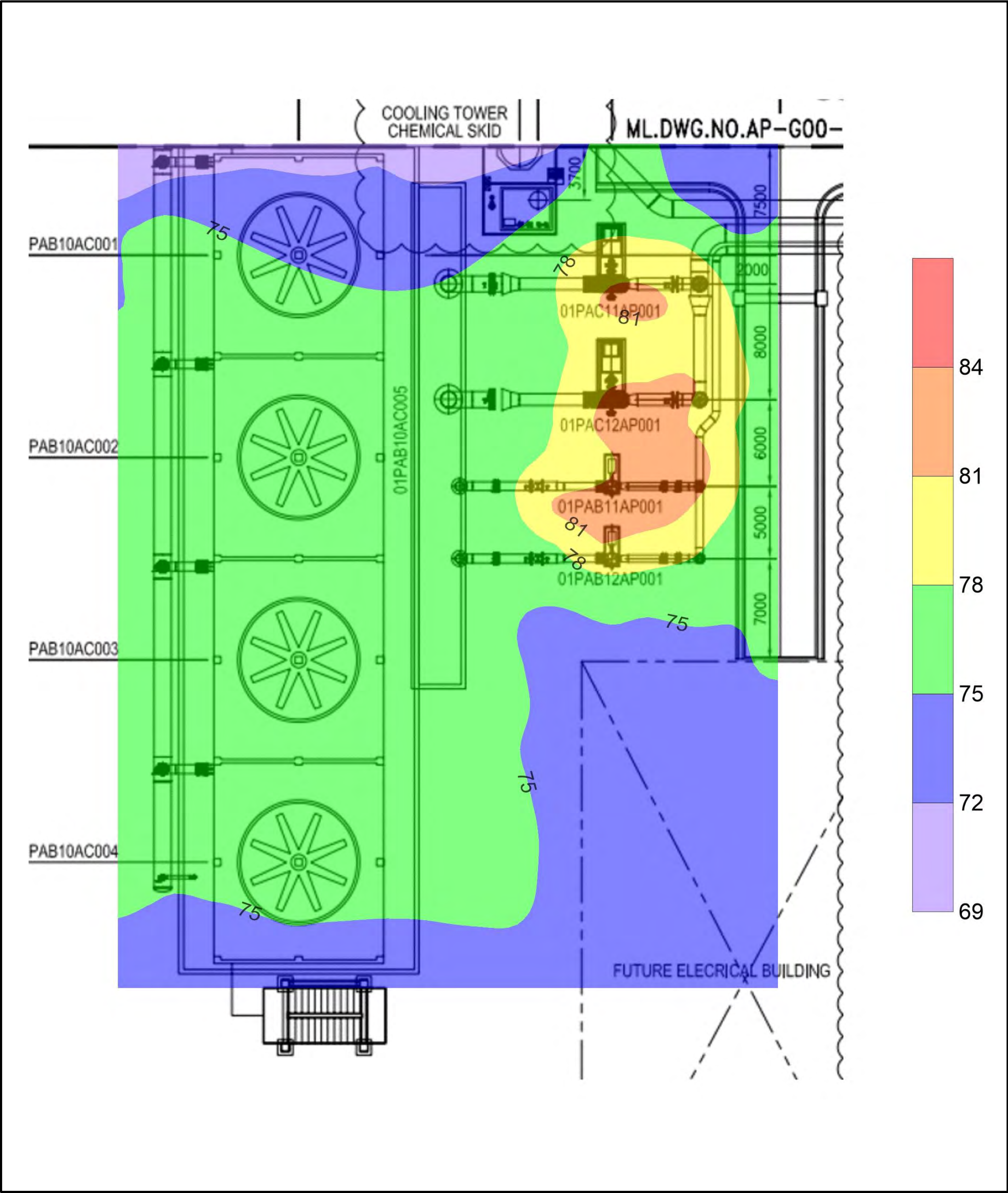


# Noise Contour Map

Reference Number : Lot 2439495-1

General Electric International Operations Company Inc. Measurement Date : Apr 24, 2024

(Cooling Tower Area ตรวจวัดแบบปกติ)







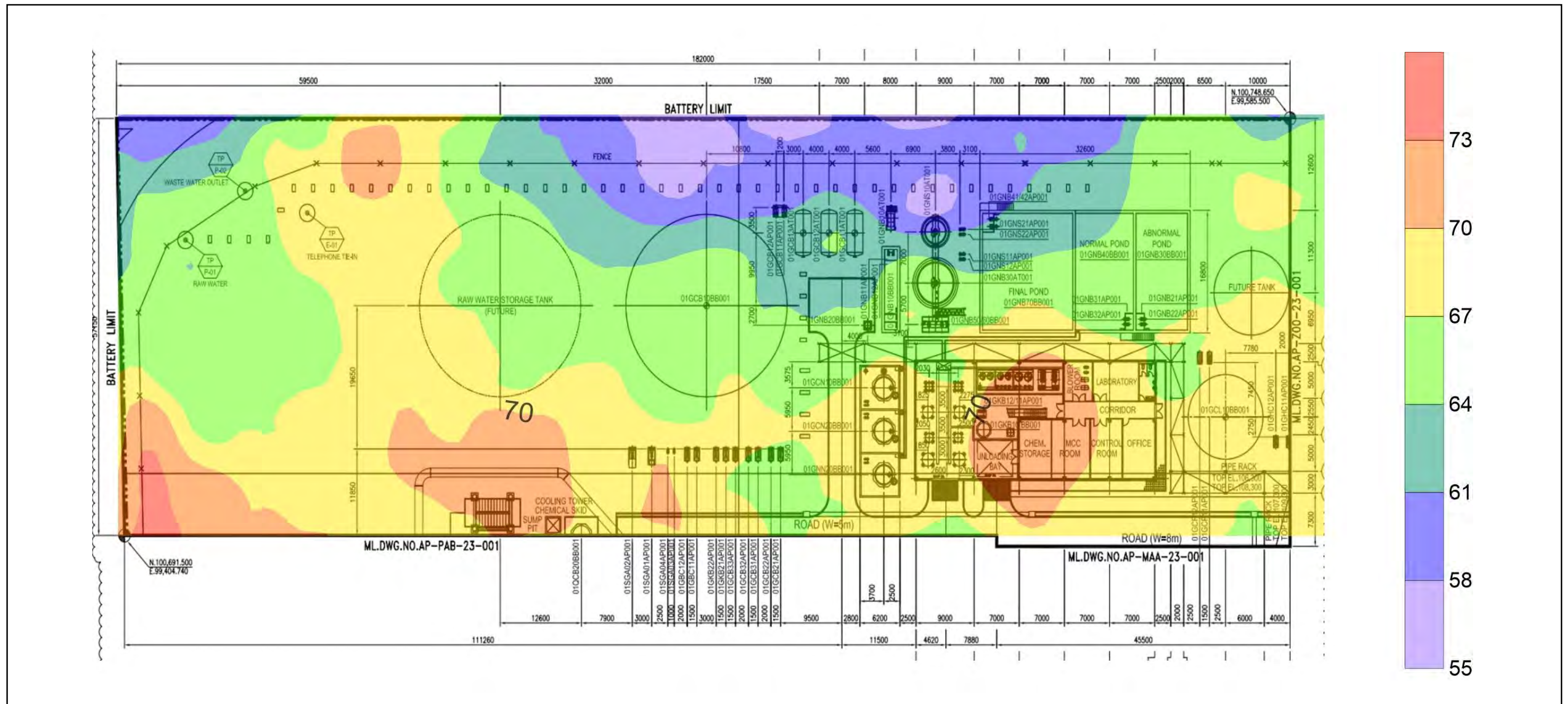
# Noise Contour Map

General Electric International Operations Company Inc.

Reference Number : Lot 2439496-1

Measurement Date : Apr 24, 2024

(Water Treatment Plant ตรวจวัดแบบปกติ)



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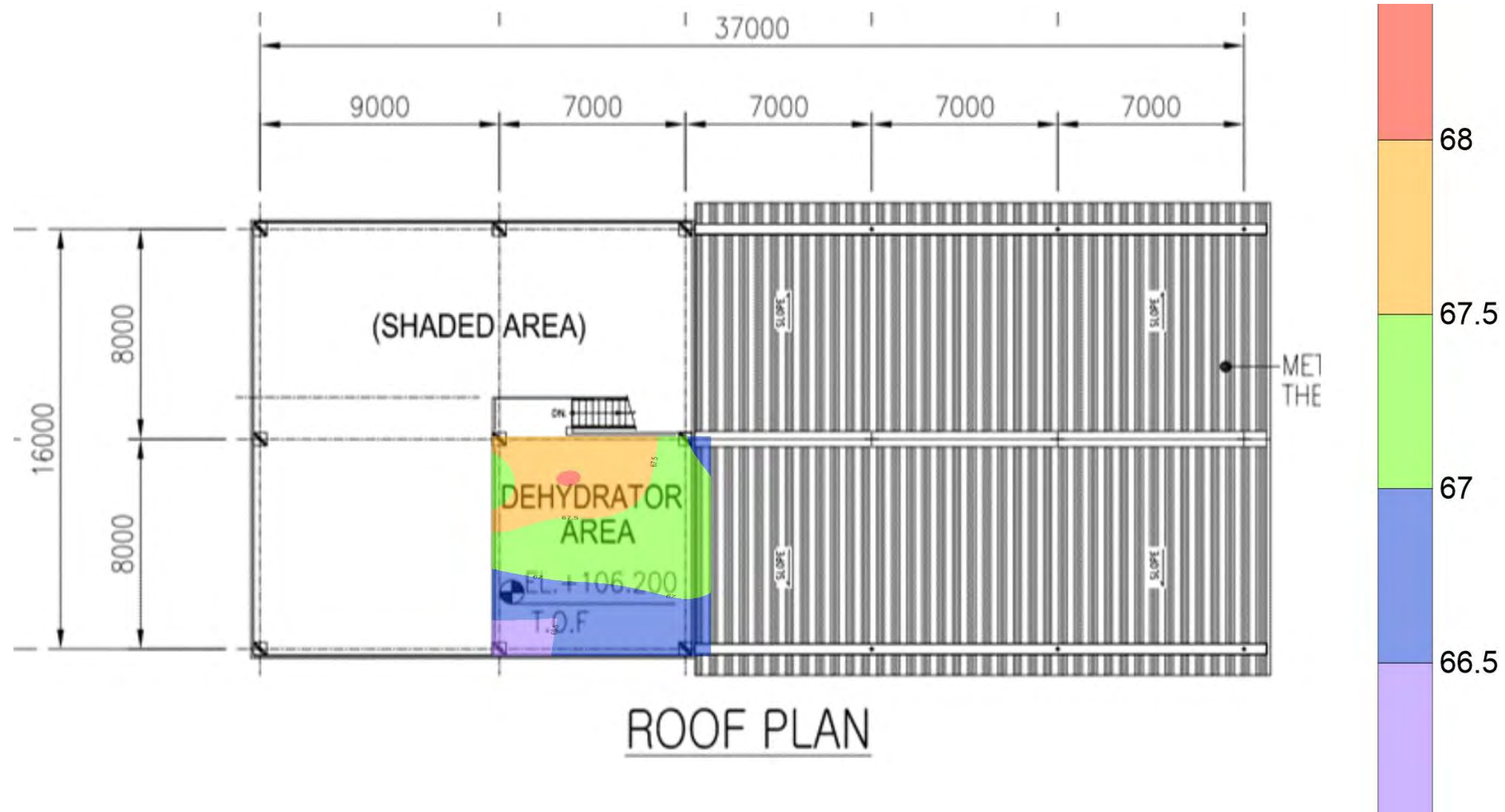
# Noise Contour Map

General Electric International Operations Company Inc.

(Water Treatment Plant 2<sup>nd</sup> Floor ตรวจวัดแบบปกติ)

Reference Number : Lot 2439497-1

Measurement Date : Apr 24, 2024



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คุณภาพน้ำใต้ดิน

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## 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: 2428270

Date Received : May 17, 2024

Date Reported : May 28, 2024

Report Number : 2998837-1 C1

Page 1 of 1

Sample Number	2428270-1
Sampled Date	May 17, 2024 11:00 AM
Sample Description	Groundwater
Location	GW1 : บริเวณเริ่มต้นของสวนอุตสาหกรรมฯ ทางทิศตะวันตกเฉียงเหนือของโครงการ
Date Analysis Commenced	May 17, 2024
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>							
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

Guideline : Groundwater Quality Standards for Drinking Purposes set by Notification of Ministry of Natural Resources and Environment B.E. 2551, Maximum allowable., (1) Suitable Allowance

Sampled By : Narunat thammasaro

Remark :

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

Technical Management

Chontichak

Chonticha Subongkoch

Scientist (3)

โทรศัพท์ 323-3-9449

Approved by

D. Changchon

Dej Changchon

Senior Manager

โทรศัพท์ 323-3-9442

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

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## Analysis / Test Report

Client : 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: 2428270

Date Received : May 17, 2024

Date Reported : May 28, 2024

Report Number : 2998837-2 C1

Page 1 of 1

Sample Number	2428270-1
Sampled Date	May 17, 2024 11:00 AM
Sample Description	Groundwater
Location	GW1 : บริเวณเริ่มต้นของสวนอุตสาหกรรมฯ ทางทิศตะวันตกเฉียงเหนือของโครงการ
Date Analysis Commenced	May 17, 2024
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	1125	No Standard	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	648	≤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	21	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong
Water Level	m	-	-	5.52	No Standard	Water Level Meter	Rayong

Guideline : Groundwater Quality Standards for Drinking Purposes set by Notification of Ministry of Natural Resources and Environment B.E. 2551, Maximum allowable., (1) Suitable Allowance

Sampled By : Narunat thammasaro

Remark :

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

Approved by

Chontichak

Chonticha Subongkoch

Scientist (3)

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## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

Lot ID: 2426167  
Date Received : May 17, 2024  
Date Reported : May 23, 2024  
Report Number : 2928416-1

Page 1 of 1

Sample Number	2426167-1
Sampled Date	May 17, 2024 2:15 PM
Sample Description	Groundwater
Location	GW2 : บริเวณโครงการระยะที่ 1 ทางทิศใต้
Date Analysis Commenced	May 17, 2024
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
Water Testing							
pH at 25 degree C		-	-	4.1	6.5-9.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong

Guideline : Groundwater Quality Standards for Drinking Purposes set by Notification of Ministry of Natural Resources and Environment B.E. 2551, Maximum allowable., (1) Suitable Allowance  
Sampling By : Narunat thammasaro ทะเบียนเลขที่ 7-323-ก-9477

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)  
ทะเบียนเลขที่ 7-323-ก-9449

Approved by

Dej Changchon

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ 7-323-ก-9442

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## Analysis / Test Report

Client : General Electric International Operations Company Inc.  
55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120  
P/O : 2024-1022  
Project Name : EIA Monitoring  
Project Location :

Lot ID: 2426167  
Date Received : May 17, 2024  
Date Reported : May 23, 2024  
Report Number : 2928416-2

Page 1 of 1

Sample Number	2426167-1
Sampled Date	May 17, 2024 2:15 PM
Sample Description	Groundwater
Location	GW2 : บริเวณโครงการระยะที่ 1 ทางทิศใต้
Date Analysis Commenced	May 17, 2024
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
Water Testing							
Conductivity at 25 Degree C	micromhos/cm	-	0.5	200	No Standard	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	98	≤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	50	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong
Water Level	m	-	-	2.27	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., (1) Suitable Allowance  
Sampling By : Narunat thammasaro

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

Approved by

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