

ภาคผนวก ค

ผลการตรวจวัดคุณภาพสิ่งแวดล้อม

คุณภาพอากาศจากแหล่งกำเนิด



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: 24112617

Date Received : Oct 07, 2024

Date Reported : Dec 20, 2024

Report Number: 3123884-1 Rev. No.1

Page 1 of 2

Sample Number	24112617-1
Sampled Date	Oct 05, 2024
Sample Description	Emission from Stationary Source
Location	HRSG #1
Date Analysis Commenced	Oct 07, 2024
Condition of Sample	Extracted into one filter paper placed in plastic petri dish and one plastic bottle

Stack Description

Ambient Pressure	754	mmHg	Diameter	5.00	m	Oxygen	14.5	%
Ambient Temperature	31.6	°C	Shape	Circle		Carbon Dioxide	3.7	%
Type of Process	Combustion		Stack Temperature	145	°C	Gas Velocity	29.2	m/s
Type of Fuel	Natural Gas		Moisture	8.74	%	Flow Rate (Actual O2)	1329913	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O ₂	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate	10:10 AM - 10:58 AM	mg/m3	-	0.5	<0.5	60	40	United States Environmental Protection Agency, EPA Method 5	Rayong

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0029

Approved by

D. Changchon.

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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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Type of Fuel	Natural Gas		Moisture	8.74	%	Flow Rate (Actual O2)	1329913	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
Air Testing									
Total Suspended Particulate *	10:10 AM - 10:58 AM	g/s	-	-	<0.185	-	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.

Note:
This Analysis test report is reissued to supersede report No.3123884-1, Date Reported : Oct 05, 2024 due to revise sample information.

Sampling By : Sittipan Sanachiw ทะเบียนเลขที่ ว-323-จ-0009

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

Technical Management

Thanita K.

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0029

Approved by

D. Johnson.

Dej Changchon
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6872-21/ EMAIL

S:\Reports_Air Stack_2GL.rpt (8:07AM)



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: 24112616
Date Received : Oct 07, 2024
Date Reported : Oct 10, 2024
Report Number : 3123879-1

Page 1 of 1

Sample Number 24112616-1
Sample Description Emission from Stationary Source
Location HRSG #1
Measurement Date Oct 05, 2024

Stack Description

Ambient Temperature	31.6 °C	Diameter	5.00 m	Oxygen	14.52 %
Ambient Pressure	753.8 mmHg	Shape	Circle	Carbon dioxide	3.70 %
Type of Process	Combustion	Stack Temperature	145 °C	Gas Velocity	29.15 m/s
Type of Fuel	Natural Gas	Moisture	8.76 %	Flow Rate	1328172 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Sulfur Dioxide (ppm)		Carbon Monoxide (ppm)	
				at Actual O ₂	at 7% O ₂	at Actual O ₂	at 7% O ₂
1	10:10 AM - 10:30 AM	14.53	3.70	0.77	1.68	20.57	44.88
2	10:31 AM - 10:51 AM	14.53	3.70	0.76	1.66	20.30	44.28
3	10:52 AM - 11:12 AM	14.51	3.69	0.76	1.66	19.46	42.34
Average (ppm)		14.52	3.70	0.77	1.67	20.11	43.83
Guideline ^{1/} (ppm)				-	15	-	-
Guideline ^{2/} (ppm)				-	20	-	-
Guideline ^{3/} (ppm)				-	-	-	690
Result (mg/Nm ³)				2.00	4.37	23.03	50.20
Emission Rate at Actual O ₂ (g/s)				0.7390		8.4971	
Guideline ^{1/} (g/s)				6.56		-	
Method				US EPA Method 6C		US EPA Method 10	

Sampled By : Sathapron Thakarw

Guideline : ^{1/}Environmental Impact Assessment Report of Siam Power Generation Company Limited.

^{2/}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).

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

Note : ระบบเดินเครื่องมากกว่า 80 % Load

Technical Management

Wichan Choonharat
Manager

ทะเบียนเลขที่ ว-204-ค-0006

Approved by

Sarayuth Jittranont
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-0003

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Location : HRSG #1
Measurement Date : Oct 05, 2024

Stack Description

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Ambient Pressure	753.8 mmHg	Shape	Circle	Carbon dioxide	3.70 %
Type of Process	Combustion	Stack Temperature	145 °C	Gas Velocity	29.15 m/s
Type of Fuel	Natural Gas	Moisture	8.76 %	Flow Rate	1328172 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)	
				at Actual O ₂	At 7% O ₂
1	10:10 AM - 10:30 AM	14.53	3.70	8.73	19.04
2	10:31 AM - 10:51 AM	14.53	3.70	8.88	19.37
3	10:52 AM - 11:12 AM	14.51	3.69	9.00	19.58
Average (ppm)		14.52	3.70	8.87	19.33
Guideline ^{1/} (ppm)				-	60
Guideline ^{2/} (ppm)				-	120
Result (mg/Nm ³)				16.69	36.37
Emission Rate at Actual O ₂ (g/s)				6.1563	
Guideline ^{1/} (g/s)				18.87	
Method				US EPA Method 7E	

Sampled By : Sathapron Thakarw
Guideline : ^{1/}Environmental Impact Assessment Report of Siam Power Generation Company Limited.
^{2/}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).
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Technical Management

Wichan Choonharat

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Manager

ทะเบียนเลขที่ ว-204-ค-0006

Approved by

Sarayuth Jittranont

Sarayuth Jittranont
Assistant General Manager
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System Audit



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CEMs System Audit

Date:

September 26,2024

Author:

Apisit Singha



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)	HRSG-1
วันที่ตรวจสอบ (Inspection Date)	September 26,2024
เจ้าหน้าที่ประจำโครงการ (Plant Operation Name)	-
เจ้าของโครงการ (Project Owner Name)	General Electric International Operations Company Inc.
เจ้าหน้าที่ตรวจสอบ (ALS Inspector Name)	Apisit Sing-ha



รายละเอียดของ CEMs (CEMs System Information)

Parameter	Analyzer Brand	Model	Serial No.	Range	System Type*	Sample Condition**	Sampling Technique*/	Unit
NO _x	EMERSON	MLT4 T-IR UV IR IR EO2	454902329210	0-200	D	C	E	ppm
CO				0-100	D	C	E	ppm
O ₂				0-25	D	C	E	%
Flow Meter	DURAG	D-FL 100-20	1306811	0-3,000,000	D	W	I	Nm ³ /hrs.
Absolute Pressure meter	DURAG	D-FL 100	1207359	0-8.8	D	W	I	mbar
Diff Pressure Meter	ABB	PAS100LS9H1AAYTH E9BLL	3K646623011168	900-1100	D	W	I	mbar
Temperature Meter	WIKA	TR10-B (RTD PT100)	-	0-250	D	W	I	Degree C

คำจำกัดความ

* (Direct system = D, Dilution system = Di) , ** (Hot-Wet = W, Cool-Dry = C) , */ (Direct Extractive = E, In-situ = I)



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 way และบันไดป็น
สะดวกในการบำรุงรักษาเครื่องตรวจวัด (Analyzer)	สะดวกในการดำเนินการ

Probe and Probe Location Checks

What to Check	Observations
การเข้าถึง (Accessibility) ตำแหน่ง Probe CEMs	walk way และบันไดป็น
ชนิดของ Probe เก็บตัวอย่าง	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 อยู่ห่างจากผนังของปล่องมากกว่า 1 เมตร	1.5 m from stack wall by Drawing Refer 2.4.30 Equipment Detail list



Source Level Extractive Systems

What to Check	Observations
ตรวจสอบว่ามีหยดน้ำบริเวณท่อนำตัวอย่างที่เข้าสู่ห้องระบบหรือไม่	ไม่พบหยดน้ำในสายนำ ตัวอย่างที่เข้าสู่ระบบปรับสภาพอากาศ
ระบบอากาศแห้ง (Air Dry System) มีการบันทึกค่าอุณหภูมิหรือไม่ และมีการกำหนดช่วงอุณหภูมิ ตาม QA/QC Plan และทำการตรวจสอบอุณหภูมิหรือไม่	มีการจดบันทึกอุณหภูมิ ว่าเป็นไปตามเกณฑ์การยอมรับ ความใช้ได้ของระบบอากาศแห้งที่ระบุไว้ใน GPFRM-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	มีแผนการดำเนินการและมีผลการทดสอบในปี2566 ให้เป็นไปตามข้อบังคับตามกฎหมาย
มีการเปลี่ยนอุปกรณ์ หรือ Filters ตามข้อกำหนดใน QA/QC Plan หรือไม่	ไม่พบการกำหนดหรือการแสดงผลการดำเนินการที่เกี่ยวข้อง
มีการทำ QA/QC temperature และ stack pressure สำหรับแปลงค่า flow monitor ตาม QA/QC Plan หรือไม่	มีแผนการดำเนินการและมีผลการทดสอบในปี2566 ให้เป็นไปตามข้อบังคับตามกฎหมาย แต่พบว่าการทวนกลับช่วงการรับรองการวัด ไม่สอดคล้องกับค่าในระบบ
มีการทดสอบ Factor ในการแปลงค่า flow monitor หรือไม่	พบการกำหนดหรือการแสดงผลการดำเนินการที่เกี่ยวข้อง แต่ที่มาของตัวแปรที่ใช้งานไม่เป็นไปตามข้อกำหนดทางกฎหมาย
เมื่อระบบมีปัญหา มีการแสดงสัญญาณเตือน หรือไฟเตือนหรือไม่	ไม่พบการแสดงผลการเตือนปัญหาที่เกี่ยวข้อง



Analyzer

What to Check	Observations
มีการปรับเปลี่ยน (เชื้อเพลิง ระบบบำบัด กำลังการผลิต หรืออื่นๆ) ของแหล่งกำเนิดในการตรวจวัดหรือไม่	ไม่มีการเปลี่ยนแปลงเชื้อเพลิง แต่มีการปรับกำลังการผลิตตามความต้องการของลูกค้า
เมื่อระบบมีปัญหา มีการแสดงสัญญาณเตือน หรือไฟเตือน และมีการอธิบายความหมายของสัญญาณเตือน หรือไฟเตือนหรือไม่	มีการแจ้งเตือนที่ระบบในDCS รวมถึงมีการบันทึกการแจ้งเตือนไว้ในระบบ DCS ด้วย
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: GPFRM-7.1.5-03-OM-SIPCO-003_CEMS Online Calibration Form แต่ไม่สามารถตรวจสอบสถานะการดึงตัวอย่างที่แท้จริงได้
กรณีที่มีการทำ Dilution System มีการเปลี่ยน correction factors ที่ใช้ในการแปลผล หลังจากการทดสอบครั้งล่าสุดหรือไม่	ไม่เกี่ยวข้อง



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 ₂	UHP grade
วันหมดอายุของก๊าซมาตรฐาน (Standard Gas) Span gas	NO _x (D599214): 2 Dec 2025 CO (D749327) : 28 Jul 2025
Diluent Gas	O ₂ (18K1149177): 15 Nov 2026
N ₂	105058 valid shelf life date 1 Jun 2024
ช่วงความเข้มข้นของก๊าซมาตรฐาน เป็นไปตามช่วงที่กำหนดหรือไม่ Point 1: 20% - 30% of span Point 2: 50% -60% of span Point 3: 80% - 100% of span	NO _x at Point 3 (172 ppm) CO at Point 3 (85.4 ppm) O ₂ at Point 3 (21.1%)
มีเอกสารยืนยันมาตรฐาน zero air gas ให้เป็นไปตามข้อกำหนดหรือไม่ (Supplier certification)	N ₂ Gas Certify by Linde follow Request
มีการจดบันทึกความเข้มข้นของก๊าซมาตรฐาน ในการทำ Calibration error and linearity test หรือไม่	Record on GPFRM-7.1.5-03-OM-SIPCO-003_CEMS Online Calibration Form



ตรวจสอบแรงดันก๊าซมาตรฐานมีค่า < 150 psi . หรือไม่ Span gas	Record on GPFRM-7.1.5-03-OM-SIPCO-003_CEMS Online Calibration Form > 150 Psi
Diluent Gas	Record on GPFRM-7.1.5-03-OM-SIPCO-003_CEMS Online Calibration Form > 150 Psi
N ₂	Record on GPFRM-7.1.5-03-OM-SIPCO-003_CEMS Online Calibration Form > 150 Psi
มีการใช้ Stainless steel regulators สำหรับ SO ₂ cylinders หรือไม่	ใช้ stainless steel regulator สำหรับการใช้งานกับ Gas กั๊กกร่อน

ระบบ DAHS

What to Check	Observations
มีระบบบันทึกข้อมูลที่ครอบคลุมพารามิเตอร์และช่วง การตรวจวัด (Range) ของระบบตรวจวัดหรือไม่	ครอบคลุมทุกค่าที่ทำการตรวจวัด และการบันทึกช่วง การตรวจวัดถูกต้อง ตามระบบบันทึกผลใน CCR
มีการตรวจสอบความถูกต้องของข้อมูลจากเครื่องตรวจวัด ที่เข้าระบบบันทึกข้อมูลหรือไม่	การรับส่งสัญญาณค่าระหว่าง CEMS System และระบบ บันทึกข้อมูลใน CCR ไม่มีความแตกต่างเนื่องจากช่วง สัญญาณการตรวจวัดในระบบไม่สามารถเปลี่ยนแปลง ช่วงได้
มีการใส่ correction factors ใน DAHS และมีการบันทึกการใส่ correction factors และ การแก้ไขหรือไม่	มีการใส่ค่า Correct factor ป้องกันการติดลบในระบบ บันทึกข้อมูล NO _x และ O ₂



ระบบการส่งถ่ายข้อมูลเป็นชนิดใด (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 DIW และ EIA แต่ไม่ครอบคลุมการตรวจสอบของการวัด Flow Meter
มีการจัดบันทึกการขาดหายของข้อมูลหรือไม่	ไม่มีการบันทึกการขาดหายของข้อมูลในระบบ DAS แต่มีการลงค่าก่อนหน้าในช่วงเวลาที่มีการทดสอบเครื่องวัดประจำวันรอบ
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	สามารถทำการดึงข้อมูลย้อนหลังได้ทุกรายการทดสอบ
มีการแสดงข้อผิดพลาดของระบบตรวจวัดในระบบบันทึกข้อมูลหรือไม่	มีการบันทึกข้อผิดพลาดของระบบไว้ในฐานข้อมูล และใน Analyzer Logs



มีการจัดทำคำอธิบายข้อผิดพลาดและการแจ้งเตือนของระบบตรวจวัดหรือไม่	มีการแสดงคำอธิบาย สำหรับการแจ้งเตือนในระบบ
มีแนวทางการแก้ไขปัญหาในการเดินระบบเบื้องต้นหรือไม่	มีการกำหนดแนวทางการปฏิบัติเมื่อเกิดความผิดปกติของระบบCEMs อ้างอิง Operation Manual (EI-QJY-78-001)
มีการจดบันทึกการปรับแต่งระบบตรวจวัดหรือไม่	มีการจดบันทึกในรายงานการดำเนินงาน (activity Log) ในระบบ และแสดงไว้หน้างาน
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
มีการเก็บบันทึกการบำรุงรักษาเครื่องวัดหรือไม่	มีการบันทึกไว้ตาม C&I-2024 Report Calibration CEMS.



#ข้อเสนอแนะเพิ่มเติม

หัวข้อ	ข้อเสนอแนะ
1.แผนการบำรุงรักษาและสอบเทียบประจำปี	<ul style="list-style-type: none">- พบแผนการดำเนินการบำรุงรักษา เป็นไปตามข้อกำหนดในEIA และข้อกำหนดที่เกี่ยวข้อง
2.การทดสอบความใช้ได้ประจำวงรอบของระบบตรวจวัดคุณภาพอากาศ	<p>จากแบบบันทึก calibration record of analyzer พบว่า</p> <ul style="list-style-type: none">- พบรายการผลการทดสอบที่เกี่ยวข้องตามEIA และกฎหมายไม่มีข้อสังเกตใดๆในการดำเนินการ
3.การตรวจสอบการเดินระบบ	<ul style="list-style-type: none">- พบระบบนำตัวอย่างมีการไหลผ่านของตัวอย่างอากาศผ่านระบบ Nox Convertor ที่อาจส่งผลกระทบต่อผลการตรวจวัดและทดสอบได้- พบว่าการตรวจสอบความเป็นตัวอย่างที่แท้จริงไม่สามารถตรวจสอบได้จากระบบนำตัวอย่าง (Flow check)
4.การปฏิบัติตามข้อกำหนดEIAและกฎหมาย	<ul style="list-style-type: none">- พบการกำหนดการดำเนินการบำรุงรักษา เป็นไปตามข้อกำหนดในEIA และข้อกำหนดที่เกี่ยวข้อง- พบการดำเนินการตรวจรับรองระบบตรวจวัดตามที่กำหนดไว้ตามกฎหมาย การกำหนดการติดตั้งเครื่องตรวจวัดคุณภาพอากาศจากปล่องระบายอัตโนมัติ ปี 2565 และผลการรับรองในปี2566 ผ่านตามเกณฑ์ที่กำหนด
5.เพิ่มเติม	<ul style="list-style-type: none">- แนะนำให้ทวนสอบข้อมูลและสมการที่ใช้ในการคำนวณผลการวัดค่าอัตราการระบายให้เป็นที่ยอมรับ และตรงตามสภาวะที่กฎหมายกำหนด

หมายเหตุ : ดัดแปลงจาก 40 CFR Part 60 regulations

Relative Accuracy Test Audit (RATA)



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: 24112619

Date Received : Oct 07, 2024
Date Reported : Oct 16, 2024
Report Number : 3123887-1

Page 1 of 4

Sample Number : 24112619-1
Sampled Date : Oct 05, 2024
Sample Description : Emission from Stationary Source
Location : HRSG #1
Parameter : NOx

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	05 Oct 24	10:10	10:30	8.80	8.73	19.20	19.04	-0.16
2	05 Oct 24	10:31	10:51	8.74	8.88	19.04	19.37	0.34
3	05 Oct 24	10:52	11:12	8.44	9.00	18.50	19.58	1.07
4*	05 Oct 24	11:13	11:33	8.16	9.03	17.72	19.62	1.90
5*	05 Oct 24	11:34	11:54	8.28	9.04	17.69	19.65	1.96
6*	05 Oct 24	11:55	12:15	8.38	9.14	17.83	19.84	2.01
7	05 Oct 24	12:16	12:36	8.12	8.69	17.07	18.69	1.62
8	05 Oct 24	12:37	12:57	8.26	8.44	17.21	18.05	0.85
9	05 Oct 24	12:58	13:18	8.31	8.75	17.32	18.74	1.41
10	05 Oct 24	13:19	13:39	8.62	8.85	17.91	18.92	1.00
11	05 Oct 24	13:40	14:00	8.32	8.88	17.19	18.92	1.73
12	05 Oct 24	14:01	14:21	8.45	8.75	17.44	18.58	1.14
Average						17.88	18.88	1.00
Confidence Coefficient (CC)								0.46
Relative Accuracy (Compared with Emission Standard : 60 ppm) (%)								2.44
Relative Accuracy Criteria ^{1/} (Compared with Emission Standard)								≤ 10%

Reference Method : US EPA Method 7E

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of NOx is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2) compared with Emission Standard 60 ppm at 7%O2
RA Result is within Criteria

Technical Management



Wichan Choonharat
Manager

ทะเบียนเลขที่ ว-204-ค-0006

Approved by



Sarayuth Jitranont
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-0003

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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: 24112619

Date Received : Oct 07, 2024
Date Reported : Oct 16, 2024
Report Number : 3123887-1

Page 2 of 4

Sample Number 24112619-1
Sampled Date Oct 05, 2024
Sample Description Emission from Stationary Source
Location HRSG #1
Parameter SO2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	05 Oct 24	10:10	10:30	0.79	0.77	1.73	1.68	-0.05
2	05 Oct 24	10:31	10:51	0.76	0.76	1.65	1.66	0.01
3	05 Oct 24	10:52	11:12	0.73	0.76	1.60	1.66	0.06
4	05 Oct 24	11:13	11:33	0.75	0.76	1.63	1.64	0.01
5	05 Oct 24	11:34	11:54	0.69	0.75	1.47	1.64	0.17
6	05 Oct 24	11:55	12:15	0.70	0.76	1.50	1.64	0.14
7*	05 Oct 24	12:16	12:36	0.64	0.77	1.34	1.65	0.30
8*	05 Oct 24	12:37	12:57	0.65	0.76	1.36	1.63	0.27
9	05 Oct 24	12:58	13:18	0.69	0.75	1.43	1.61	0.18
10*	05 Oct 24	13:19	13:39	0.64	0.74	1.33	1.57	0.24
11	05 Oct 24	13:40	14:00	0.71	0.75	1.47	1.59	0.13
12	05 Oct 24	14:01	14:21	0.70	0.73	1.44	1.56	0.12
Average						1.55	1.63	0.08
Confidence Coefficient (CC)								0.06
Relative Accuracy (Compared with Emission Standard : 15 ppm) (%)								0.98
Relative Accuracy Criteria ^{1/} (Compared with Emission Standard)								≤ 10%

Reference Method : US EPA Method 6C

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of SO2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2) compared with Emission Standard 15 ppm at 7%O2
RA Result is within Criteria

Technical Management



Wichan Choonharat

Manager

ทะเบียนเลขที่ ว-204-ค-0006

Approved by



Sarayuth Jitranont

Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-0003

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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: 24112619

Date Received : Oct 07, 2024
Date Reported : Oct 16, 2024
Report Number : 3123887-1

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Sample Number 24112619-1
Sampled Date Oct 05, 2024
Sample Description Emission from Stationary Source
Location HRSG #1
Parameter CO

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1*	05 Oct 24	10:10	10:30	17.06	20.57	37.24	44.88	7.65
2*	05 Oct 24	10:31	10:51	17.34	20.30	37.76	44.28	6.52
3*	05 Oct 24	10:52	11:12	16.37	19.46	35.87	42.34	6.47
4	05 Oct 24	11:13	11:33	16.94	19.15	36.79	41.60	4.81
5	05 Oct 24	11:34	11:54	16.67	18.79	35.62	40.85	5.24
6	05 Oct 24	11:55	12:15	16.80	18.19	35.76	39.48	3.72
7	05 Oct 24	12:16	12:36	18.20	19.25	38.25	41.41	3.16
8	05 Oct 24	12:37	12:57	17.82	20.09	37.14	42.99	5.85
9	05 Oct 24	12:58	13:18	16.80	18.15	35.03	38.88	3.85
10	05 Oct 24	13:19	13:39	18.94	19.86	39.35	42.48	3.13
11	05 Oct 24	13:40	14:00	19.54	20.36	40.36	43.41	3.05
12	05 Oct 24	14:01	14:21	20.67	21.12	42.66	44.86	2.19
Average						37.88	41.77	3.89
Confidence Coefficient (CC)								0.91
Relative Accuracy (Compared with Emission Standard : 690 ppm) (%)								0.70
Relative Accuracy Criteria ^{1/} (Compared with Emission Standard)								≤ 5%

Reference Method : US EPA Method 10

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of CO is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 4 (PS-4) compared with Emission Standard 690 ppm at 7%O2
RA Result is within Criteria

Technical Management



Wichan Choonharat
Manager

ทะเบียนเลขที่ ว-204-ก-0006

Approved by



Sarayuth Jitranont
Assistant General Manager

ทะเบียนเลขที่ ว-204-ก-0003

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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: 24112619

Date Received : Oct 07, 2024
Date Reported : Oct 16, 2024
Report Number : 3123887-1

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Sample Number 24112619-1
Sampled Date Oct 05, 2024
Sample Description Emission from Stationary Source
Location HRSG #1
Parameter O2

Relative Accuracy Test Audit Report

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1	05 Oct 24	10:10	10:30	14.53	14.53	0.00
2	05 Oct 24	10:31	10:51	14.52	14.53	0.01
3	05 Oct 24	10:52	11:12	14.56	14.51	-0.04
4	05 Oct 24	11:13	11:33	14.50	14.50	0.00
5	05 Oct 24	11:34	11:54	14.39	14.51	0.11
6	05 Oct 24	11:55	12:15	14.37	14.50	0.13
7	05 Oct 24	12:16	12:36	14.29	14.44	0.15
8	05 Oct 24	12:37	12:57	14.23	14.40	0.17
9	05 Oct 24	12:58	13:18	14.23	14.41	0.18
10*	05 Oct 24	13:19	13:39	14.21	14.40	0.19
11*	05 Oct 24	13:40	14:00	14.17	14.38	0.21
12*	05 Oct 24	14:01	14:21	14.16	14.35	0.19
Average				14.40	14.48	0.08
Confidence Coefficient (CC)						-
Relative Accuracy (Compared in Actual) (%)						0.08
Relative Accuracy Criteria (%)						≤ 1%

Reference Method : US EPA Method 3A

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of O2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 3 (PS-3)

RA Result is within Criteria

Sampled By : Sathapron Thakarw

Technical Management



Wichan Choonharat
Manager

ทะเบียนเลขที่ ว-204-ค-0006

Approved by



Sarayuth Jittranont
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-0003

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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: 24112621

Date Received : Oct 07, 2024
Date Reported : Oct 16, 2024
Report Number : 3123919-2

Page 1 of 2

Sample Number 24112621-1
Sampled Date Oct 06, 2024
Sample Description Emission from Stationary Source
Location HRSG #1
Parameter Flowrate

Relative Accuracy Test Audit Report

Run No.	Date	Time		Flowrate Data		Difference
		Start	Stop	CEMs (Nm3/Hr)	RM (Nm3/Hr)	
1*	06 Oct 24	10:10	10:30	1,471,586	1,323,402	-148,184
2*	06 Oct 24	10:31	10:51	1,477,230	1,323,716	-153,514
3*	06 Oct 24	10:52	11:12	1,473,522	1,293,738	-179,784
4	06 Oct 24	11:13	11:33	1,477,708	1,353,988	-123,720
5	06 Oct 24	11:34	11:54	1,480,258	1,358,573	-121,685
6	06 Oct 24	11:55	12:15	1,475,687	1,337,316	-138,371
7	06 Oct 24	12:16	12:36	1,391,940	1,346,298	-45,642
8	06 Oct 24	12:37	12:57	1,384,183	1,265,284	-118,899
9	06 Oct 24	12:58	13:18	1,440,148	1,303,505	-136,643
10	06 Oct 24	13:19	13:39	1,479,833	1,371,350	-108,483
11	06 Oct 24	13:40	14:00	1,480,939	1,366,337	-114,602
12	06 Oct 24	14:01	14:21	1,480,023	1,354,206	-125,817
Average				1,454,524	1,339,651	-114,874
Confidence Coefficient (CC)						21,261
Relative Accuracy ^{1/} (Compared with RM) (%)						10.16
Relative Accuracy Criteria (Compared with RM)						≤ 20 %

Reference Method : US EPA Method 2

Remark: * Sample with * is a rejected data

^{1/} 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 ว-204-ค-0006

Approved by



Sarayuth Jittrantont
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-0003

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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: 24112621

Date Received : Oct 07, 2024
Date Reported : Oct 16, 2024
Report Number : 3123919-2

Page 2 of 2

Sample Number 24112621-1
Sampled Date Oct 06, 2024
Sample Description Emission from Stationary Source
Location HRSG #1
Parameter Stack Temperature

Relative Accuracy Test Audit Report

Run No.	Date	Time		Temperature Data		Difference
		Start	Stop	CEMs (°C)	RM (°C)	
1*	06 Oct 24	10:10	10:30	142.4	144.6	2.2
2*	06 Oct 24	10:31	10:51	142.4	144.4	2.0
3*	06 Oct 24	10:52	11:12	142.3	144.6	2.3
4	06 Oct 24	11:13	11:33	142.5	142.8	0.3
5	06 Oct 24	11:34	11:54	142.0	141.6	-0.4
6	06 Oct 24	11:55	12:15	142.1	142.5	0.4
7	06 Oct 24	12:16	12:36	140.2	141.8	1.7
8	06 Oct 24	12:37	12:57	140.1	140.9	0.8
9	06 Oct 24	12:58	13:18	140.7	141.6	0.9
10	06 Oct 24	13:19	13:39	141.3	141.4	0.1
11	06 Oct 24	13:40	14:00	141.1	141.7	0.6
12	06 Oct 24	14:01	14:21	141.1	141.2	0.1
Average				141.2	141.7	0.5
Confidence Coefficient (CC)						0.5
Relative Accuracy ^{1/} (Compared with RM) (%)						0.7
Relative Accuracy Criteria (Compared with RM)						≤ 20 %

Reference Method : US EPA Method 2

Remark: * Sample with * is a rejected data

^{1/} 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 : Nontachai Uppathamp

Technical Management



Wichan Choonharat
Manager

ทะเบียนเลขที่ ว-204-ค-0006

Approved by



Sarayuth Jittranont
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-0003

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S:\Reports\Stack_CEMs1.rpt

คุณภาพอากาศในบรรยากาศโดยทั่วไป



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 :

Project Name : EIA Monitoring

Project Location :

Lot ID: 24112613

Date Received : Oct 10, 2024

Date Reported : Oct 22, 2024

Report Number: 3123876-1C1

Page 1 of 1

Sample Description	Air Quality				
Location	A1 : หมู่ 10 บ้านนาบดอง (GPS 47P 0741951, 1416054)				
Date Analysis Commenced	Oct 11, 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)
24112613-1	Oct 02 - Oct 03, 2024	0.019	0.013	756	32
24112613-2	Oct 03 - Oct 04, 2024	0.024	0.012	756	30
24112613-3	Oct 04 - Oct 05, 2024	0.027	0.017	756	30
24112613-4	Oct 05 - Oct 06, 2024	0.033	0.024	756	30
24112613-5	Oct 06 - Oct 07, 2024	0.037	0.031	756	32
24112613-6	Oct 07 - Oct 08, 2024	0.045	0.035	756	32
24112613-7	Oct 08 - Oct 09, 2024	0.029	0.023	756	32
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 : Natthawut Duangpang

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

TESTING
No.0042

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: 24112613

Date Received : Oct 10, 2024

Date Reported : Oct 22, 2024

Report Number: 3123876-2C1

Page 1 of 1

Sample Description	Air Quality				
Location	A2 : วัดกระเจา (GPS 47P 0741408, 1411396)				
Date Analysis Commenced	Oct 11, 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)
24112613-8	Oct 02 - Oct 03, 2024	0.029	0.015	756	32
24112613-9	Oct 03 - Oct 04, 2024	0.036	0.017	756	32
24112613-10	Oct 04 - Oct 05, 2024	0.038	0.022	756	30
24112613-11	Oct 05 - Oct 06, 2024	0.045	0.018	756	30
24112613-12	Oct 06 - Oct 07, 2024	0.045	0.029	756	32
24112613-13	Oct 07 - Oct 08, 2024	0.044	0.031	756	32
24112613-14	Oct 08 - Oct 09, 2024	0.041	0.025	756	32
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 : Natthawut Duangpang

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

TESTING
No.0042

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: 24112613

Date Received : Oct 10, 2024

Date Reported : Oct 22, 2024

Report Number: 3123876-3C1

Page 1 of 1

Sample Description	Air Quality				
Location	A3 : วัดหนองกระบอก (GPS 47P 0747563, 1413915)				
Date Analysis Commenced	Oct 11, 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)
24112613-15	Oct 02 - Oct 03, 2024	0.024	0.010	756	32
24112613-16	Oct 03 - Oct 04, 2024	0.022	0.009	756	32
24112613-17	Oct 04 - Oct 05, 2024	0.031	0.013	756	30
24112613-18	Oct 05 - Oct 06, 2024	0.034	0.015	756	32
24112613-19	Oct 06 - Oct 07, 2024	0.049	0.024	756	33
24112613-20	Oct 07 - Oct 08, 2024	0.040	0.024	756	32
24112613-21	Oct 08 - Oct 09, 2024	0.025	0.014	756	32
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 : Natthawut Duangpang

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 :

Project Name : EIA Monitoring

Project Location :

Lot ID: 24112610

Date Received : Oct 10, 2024

Date Reported : Oct 17, 2024

Report Number: 3123865-1C1

Page 1 of 1

Sample Description Air Quality
Location A1 : หมู่ 10 บ้านนาบะทอง (GPS 47P 0741951, 1416054)
Parameter Nitrogen dioxide (ppm)
Measurement Date Oct 02, 2024 - Oct 09, 2024
Measurement by Natthawut Duangpang

Time	24112610-1 Oct 02, 2024	24112610-2 Oct 03, 2024	24112610-3 Oct 04, 2024	24112610-4 Oct 05, 2024	24112610-5 Oct 06, 2024	24112610-6 Oct 07, 2024	24112610-7 Oct 08, 2024
08:00 AM - 09:00 AM	0.0010	0.0012	0.0012	0.0017	0.0013	0.0011	0.0009
09:00 AM - 10:00 AM	0.0011	0.0011	0.0012	0.0017	0.0012	0.0012	0.0011
10:00 AM - 11:00 AM	0.0011	0.0014	0.0014	0.0016	0.0011	0.0011	0.0011
11:00 AM - 12:00 PM	0.0010	0.0014	0.0013	0.0016	0.0012	0.0011	0.0009
12:00 PM - 01:00 PM	0.0009	0.0013	0.0014	0.0018	0.0014	0.0015	0.0009
01:00 PM - 02:00 PM	0.0013	0.0012	0.0014	0.0018	0.0015	0.0015	0.0009
02:00 PM - 03:00 PM	0.0014	0.0015	0.0013	0.0016	0.0014	0.0016	0.0011
03:00 PM - 04:00 PM	0.0015	0.0016	0.0013	0.0021	0.0013	0.0016	0.0014
04:00 PM - 05:00 PM	0.0016	0.0023	0.0016	0.0028	0.0019	0.0021	0.0015
05:00 PM - 06:00 PM	0.0029	0.0041	0.0019	0.0016	0.0009	0.0017	0.0012
06:00 PM - 07:00 PM	0.0010	0.0016	0.0013	0.0012	0.0009	0.0011	0.0008
07:00 PM - 08:00 PM	0.0009	0.0013	0.0021	0.0011	0.0011	0.0010	0.0006
08:00 PM - 09:00 PM	0.0008	0.0011	0.0011	0.0009	0.0009	0.0009	0.0005
09:00 PM - 10:00 PM	0.0010	0.0013	0.0009	0.0008	0.0007	0.0012	0.0006
10:00 PM - 11:00 PM	0.0005	0.0014	0.0011	0.0008	0.0007	0.0007	0.0009
11:00 PM - 12:00 AM	0.0020	0.0011	0.0008	0.0009	0.0006	0.0006	0.0007
12:00 AM - 01:00 AM	0.0007	0.0008	0.0010	0.0009	0.0006	0.0008	0.0006
01:00 AM - 02:00 AM	0.0010	0.0011	0.0007	0.0009	0.0006	0.0005	0.0006
02:00 AM - 03:00 AM	0.0011	0.0009	0.0008	0.0011	0.0008	0.0006	0.0008
03:00 AM - 04:00 AM	0.0011	0.0011	0.0010	0.0016	0.0009	0.0007	0.0008
04:00 AM - 05:00 AM	0.0013	0.0011	0.0012	0.0017	0.0009	0.0009	0.0008
05:00 AM - 06:00 AM	0.0012	0.0013	0.0010	0.0015	0.0008	0.0009	0.0010
06:00 AM - 07:00 AM	0.0011	0.0013	0.0012	0.0008	0.0011	0.0009	0.0008
07:00 AM - 08:00 AM	0.0012	0.0012	0.0016	0.0010	0.0013	0.0010	0.0010
Average	0.0012	0.0014	0.0012	0.0014	0.0010	0.0011	0.0009
1hr - Maximum	0.0029	0.0041	0.0021	0.0028	0.0019	0.0021	0.0015
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)

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Approved by

Orawan R.

Orawan Rakyong

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 :

Project Name : EIA Monitoring

Project Location :

Lot ID: 24112610

Date Received : Oct 10, 2024

Date Reported : Oct 17, 2024

Report Number: 3139486-1C1

Page 1 of 1

Sample Description Air Quality
Location A2 : วัดกระเจา (GPS 47P 0741408, 1411396)
Parameter Nitrogen dioxide (ppm)
Measurement Date Oct 02, 2024 - Oct 09, 2024
Measurement by Natthawut Duangpang

Time	24112610-8 Oct 02, 2024	24112610-9 Oct 03, 2024	24112610-10 Oct 04, 2024	24112610-11 Oct 05, 2024	24112610-12 Oct 06, 2024	24112610-13 Oct 07, 2024	24112610-14 Oct 08, 2024
09:00 AM - 10:00 AM	0.0019	0.0017	0.0066	0.0112	0.0048	0.0063	0.0036
10:00 AM - 11:00 AM	0.0038	0.0026	0.0019	0.0087	0.0115	0.0060	0.0032
11:00 AM - 12:00 PM	0.0013	0.0025	0.0073	0.0051	0.0090	0.0015	0.0051
12:00 PM - 01:00 PM	0.0025	0.0059	0.0077	0.0074	0.0135	0.0016	0.0051
01:00 PM - 02:00 PM	0.0033	0.0081	0.0053	0.0081	0.0098	0.0146	0.0044
02:00 PM - 03:00 PM	0.0034	0.0086	0.0048	0.0073	0.0062	0.0196	0.0026
03:00 PM - 04:00 PM	0.0040	0.0074	0.0092	0.0100	0.0101	0.0057	0.0046
04:00 PM - 05:00 PM	0.0042	0.0061	0.0090	0.0081	0.0108	0.0076	0.0112
05:00 PM - 06:00 PM	0.0031	0.0086	0.0077	0.0066	0.0095	0.0074	0.0158
06:00 PM - 07:00 PM	0.0038	0.0045	0.0078	0.0075	0.0088	0.0088	0.0085
07:00 PM - 08:00 PM	0.0028	0.0033	0.0079	0.0078	0.0097	0.0077	0.0040
08:00 PM - 09:00 PM	0.0021	0.0033	0.0069	0.0062	0.0081	0.0082	0.0027
09:00 PM - 10:00 PM	0.0019	0.0026	0.0057	0.0058	0.0084	0.0064	0.0030
10:00 PM - 11:00 PM	0.0017	0.0022	0.0062	0.0068	0.0085	0.0057	0.0025
11:00 PM - 12:00 AM	0.0015	0.0023	0.0065	0.0068	0.0094	0.0057	0.0026
12:00 AM - 01:00 AM	0.0017	0.0025	0.0065	0.0083	0.0088	0.0061	0.0022
01:00 AM - 02:00 AM	0.0026	0.0028	0.0065	0.0083	0.0090	0.0044	0.0026
02:00 AM - 03:00 AM	0.0031	0.0037	0.0067	0.0076	0.0094	0.0038	0.0027
03:00 AM - 04:00 AM	0.0033	0.0053	0.0059	0.0086	0.0109	0.0078	0.0045
04:00 AM - 05:00 AM	0.0046	0.0065	0.0069	0.0075	0.0124	0.0049	0.0061
05:00 AM - 06:00 AM	0.0073	0.0053	0.0112	0.0063	0.0082	0.0102	0.0070
06:00 AM - 07:00 AM	0.0102	0.0058	0.0065	0.0026	0.0081	0.0077	0.0045
07:00 AM - 08:00 AM	0.0040	0.0077	0.0023	0.0024	0.0036	0.0065	0.0048
08:00 AM - 09:00 AM	0.0036	0.0037	0.0040	0.0020	0.0038	0.0043	0.0041
Average	0.0034	0.0047	0.0065	0.0070	0.0088	0.0070	0.0049
1hr - Maximum	0.0102	0.0086	0.0112	0.0112	0.0135	0.0196	0.0158
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)

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Approved by

Orawan R.

Orawan Rakyong

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 :

Project Name : EIA Monitoring

Project Location :

Lot ID: 24112610

Date Received : Oct 10, 2024

Date Reported : Oct 17, 2024

Report Number: 3140150-1C1

Page 1 of 1

Sample Description	Air Quality						
Location	A3 : วัดหนองกระบอก (GPS 47P 0747563, 1413915)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Oct 02, 2024 - Oct 09, 2024						
Measurement by	Natthawut Duangpang						
	24112610-15	24112610-16	24112610-17	24112610-18	24112610-19	24112610-20	24112610-21
Time	Oct 02, 2024	Oct 03, 2024	Oct 04, 2024	Oct 05, 2024	Oct 06, 2024	Oct 07, 2024	Oct 08, 2024
10:00 AM - 11:00 AM	0.0004	0.0002	0.0048	0.0004	0.0048	0.0004	0.0082
11:00 AM - 12:00 PM	0.0003	0.0002	0.0044	0.0005	0.0044	0.0004	0.0055
12:00 PM - 01:00 PM	0.0003	0.0014	0.0031	0.0006	0.0031	0.0005	0.0035
01:00 PM - 02:00 PM	0.0003	0.0008	0.0027	0.0004	0.0027	0.0003	0.0023
02:00 PM - 03:00 PM	0.0009	0.0005	0.0018	0.0004	0.0018	0.0004	0.0015
03:00 PM - 04:00 PM	0.0004	0.0007	0.0008	0.0003	0.0008	0.0003	0.0019
04:00 PM - 05:00 PM	0.0004	0.0012	0.0006	0.0003	0.0006	0.0004	0.0001
05:00 PM - 06:00 PM	0.0003	0.0018	0.0014	0.0003	0.0014	<0.0001	0.0006
06:00 PM - 07:00 PM	<0.0001	0.0032	0.0025	<0.0001	0.0025	0.0002	0.0006
07:00 PM - 08:00 PM	0.0017	0.0042	0.0024	0.0004	0.0024	0.0004	0.0001
08:00 PM - 09:00 PM	0.0023	0.0024	0.0032	0.0003	0.0032	0.0004	0.0003
09:00 PM - 10:00 PM	0.0009	0.0004	0.0034	0.0004	0.0034	0.0003	0.0002
10:00 PM - 11:00 PM	0.0007	<0.0001	0.0028	0.0005	0.0028	0.0004	0.0006
11:00 PM - 12:00 AM	0.0010	0.0008	0.0045	0.0002	0.0045	0.0003	0.0007
12:00 AM - 01:00 AM	0.0014	0.0012	0.0042	0.0004	0.0042	<0.0001	0.0008
01:00 AM - 02:00 AM	0.0017	0.0012	0.0026	0.0007	0.0026	0.0004	0.0007
02:00 AM - 03:00 AM	0.0015	0.0009	0.0019	0.0004	0.0019	0.0004	0.0005
03:00 AM - 04:00 AM	0.0014	0.0007	0.0022	0.0004	0.0022	0.0005	0.0006
04:00 AM - 05:00 AM	0.0009	0.0011	0.0012	0.0004	0.0012	0.0003	0.0007
05:00 AM - 06:00 AM	0.0007	0.0021	0.0023	0.0006	0.0023	0.0004	0.0006
06:00 AM - 07:00 AM	0.0019	0.0045	0.0058	0.0016	0.0058	0.0029	0.0001
07:00 AM - 08:00 AM	0.0022	0.0040	0.0060	0.0010	0.0060	0.0020	0.0005
08:00 AM - 09:00 AM	0.0030	0.0012	0.0049	0.0009	0.0049	0.0007	0.0006
09:00 AM - 10:00 AM	0.0019	0.0005	0.0039	0.0005	0.0039	0.0005	0.0006
Average	0.0011	0.0015	0.0031	0.0005	0.0031	0.0005	0.0013
1hr - Maximum	0.0030	0.0045	0.0060	0.0016	0.0060	0.0029	0.0082
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)

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Approved by

Orawan R.

Orawan Rakyong

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 :

Project Name : EIA Monitoring

Project Location :

Lot ID: 24112611

Date Received : Oct 10, 2024

Date Reported : Oct 17, 2024

Report Number: 3123873-1C1

Page 1 of 1

Sample Description Air Quality
Location A1 : หมู่ 10 บ้านนาบะทอง (GPS 47P 0741951, 1416054)
Parameter Sulfur Dioxide (ppm)
Measurement Date Oct 02, 2024 - Oct 09, 2024
Measurement by Natthawut Duangpang

Time	24112611-1 Oct 02, 2024	24112611-2 Oct 03, 2024	24112611-3 Oct 04, 2024	24112611-4 Oct 05, 2024	24112611-5 Oct 06, 2024	24112611-6 Oct 07, 2024	24112611-7 Oct 08, 2024
08:00 AM - 09:00 AM	0.0094	0.0088	0.0095	0.0101	0.0094	0.0096	0.0100
09:00 AM - 10:00 AM	0.0094	0.0088	0.0095	0.0096	0.0094	0.0096	0.0099
10:00 AM - 11:00 AM	0.0094	0.0087	0.0093	0.0095	0.0095	0.0096	0.0100
11:00 AM - 12:00 PM	0.0094	0.0089	0.0092	0.0095	0.0094	0.0096	0.0099
12:00 PM - 01:00 PM	0.0095	0.0091	0.0091	0.0095	0.0094	0.0096	0.0099
01:00 PM - 02:00 PM	0.0095	0.0091	0.0092	0.0094	0.0094	0.0096	0.0100
02:00 PM - 03:00 PM	0.0094	0.0091	0.0091	0.0092	0.0093	0.0096	0.0099
03:00 PM - 04:00 PM	0.0094	0.0089	0.0091	0.0092	0.0092	0.0097	0.0099
04:00 PM - 05:00 PM	0.0093	0.0088	0.0090	0.0092	0.0092	0.0096	0.0099
05:00 PM - 06:00 PM	0.0092	0.0087	0.0088	0.0092	0.0093	0.0097	0.0099
06:00 PM - 07:00 PM	0.0090	0.0086	0.0086	0.0092	0.0093	0.0096	0.0099
07:00 PM - 08:00 PM	0.0090	0.0086	0.0086	0.0092	0.0094	0.0097	0.0099
08:00 PM - 09:00 PM	0.0090	0.0087	0.0085	0.0090	0.0092	0.0097	0.0099
09:00 PM - 10:00 PM	0.0090	0.0085	0.0085	0.0091	0.0093	0.0098	0.0100
10:00 PM - 11:00 PM	0.0090	0.0087	0.0082	0.0090	0.0094	0.0097	0.0099
11:00 PM - 12:00 AM	0.0094	0.0087	0.0083	0.0091	0.0093	0.0098	0.0088
12:00 AM - 01:00 AM	0.0096	0.0087	0.0084	0.0090	0.0093	0.0098	0.0087
01:00 AM - 02:00 AM	0.0094	0.0089	0.0085	0.0092	0.0095	0.0100	0.0087
02:00 AM - 03:00 AM	0.0094	0.0091	0.0083	0.0094	0.0097	0.0100	0.0086
03:00 AM - 04:00 AM	0.0092	0.0092	0.0083	0.0093	0.0096	0.0099	0.0086
04:00 AM - 05:00 AM	0.0092	0.0090	0.0083	0.0093	0.0096	0.0099	0.0085
05:00 AM - 06:00 AM	0.0091	0.0087	0.0083	0.0092	0.0095	0.0099	0.0086
06:00 AM - 07:00 AM	0.0089	0.0062	<0.0001	0.0093	0.0095	0.0099	0.0086
07:00 AM - 08:00 AM	0.0088	0.0103	0.0130	0.0092	0.0095	0.0099	0.0086
Average	0.0092	0.0088	0.0086	0.0093	0.0094	0.0097	0.0094
1hr - Maximum	0.0096	0.0103	0.0130	0.0101	0.0097	0.0100	0.0100
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

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

Reference Method : US EPA Method Part 53 and 58

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

Approved by

Orawan R.

Orawan Rakyong

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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: 24112611

Date Received : Oct 10, 2024

Date Reported : Oct 17, 2024

Report Number: 3140151-1C1

Page 1 of 1

Sample Description Air Quality
Location A2 : วัดกระเจา (GPS 47P 0741408, 1411396)
Parameter Sulfur Dioxide (ppm)
Measurement Date Oct 02, 2024 - Oct 09, 2024
Measurement by Natthawut Duangpang

Time	24112611-8 Oct 02, 2024	24112611-9 Oct 03, 2024	24112611-10 Oct 04, 2024	24112611-11 Oct 05, 2024	24112611-12 Oct 06, 2024	24112611-13 Oct 07, 2024	24112611-14 Oct 08, 2024
09:00 AM - 10:00 AM	0.0123	0.0098	<0.0001	0.0093	0.0087	0.0086	0.0096
10:00 AM - 11:00 AM	0.0113	0.0099	0.0097	0.0093	0.0087	0.0086	0.0097
11:00 AM - 12:00 PM	0.0109	0.0099	0.0097	0.0092	0.0087	0.0086	0.0097
12:00 PM - 01:00 PM	0.0108	0.0100	0.0096	0.0091	0.0087	0.0086	0.0098
01:00 PM - 02:00 PM	0.0106	0.0100	0.0096	0.0091	0.0088	0.0087	0.0098
02:00 PM - 03:00 PM	0.0105	0.0099	0.0097	0.0091	0.0087	0.0086	0.0098
03:00 PM - 04:00 PM	0.0104	0.0099	0.0097	0.0090	0.0088	0.0085	0.0098
04:00 PM - 05:00 PM	0.0103	0.0099	0.0097	0.0090	0.0086	0.0085	0.0097
05:00 PM - 06:00 PM	0.0103	0.0098	0.0097	0.0089	0.0087	0.0086	0.0097
06:00 PM - 07:00 PM	0.0103	0.0098	0.0097	0.0090	0.0088	0.0087	0.0097
07:00 PM - 08:00 PM	0.0102	0.0097	0.0098	0.0090	0.0087	0.0088	0.0097
08:00 PM - 09:00 PM	0.0101	0.0097	0.0098	0.0090	0.0088	0.0089	0.0097
09:00 PM - 10:00 PM	0.0101	0.0097	0.0099	0.0090	0.0088	0.0089	0.0098
10:00 PM - 11:00 PM	0.0101	0.0098	0.0099	0.0091	0.0088	0.0090	0.0098
11:00 PM - 12:00 AM	0.0100	0.0098	0.0099	0.0090	0.0088	0.0089	0.0098
12:00 AM - 01:00 AM	0.0101	0.0098	0.0098	0.0090	0.0089	0.0090	0.0088
01:00 AM - 02:00 AM	0.0101	0.0097	0.0099	0.0089	0.0088	0.0088	0.0090
02:00 AM - 03:00 AM	0.0101	0.0099	0.0099	0.0090	0.0088	0.0086	0.0090
03:00 AM - 04:00 AM	<0.0001	0.0098	0.0099	0.0089	0.0088	0.0087	0.0091
04:00 AM - 05:00 AM	0.0101	0.0098	0.0099	<0.0001	0.0087	0.0086	0.0091
05:00 AM - 06:00 AM	0.0102	0.0097	0.0098	0.0087	0.0087	0.0085	0.0091
06:00 AM - 07:00 AM	0.0100	0.0097	0.0086	0.0087	0.0086	0.0096	0.0092
07:00 AM - 08:00 AM	0.0099	0.0096	0.0106	0.0087	0.0086	0.0096	0.0093
08:00 AM - 09:00 AM	0.0099	0.0096	0.0095	0.0086	0.0085	0.0097	0.0062
Average	0.0099	0.0098	0.0093	0.0086	0.0087	0.0088	0.0094
1hr - Maximum	0.0123	0.0100	0.0106	0.0093	0.0089	0.0097	0.0098
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

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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: 24112611

Date Received : Oct 10, 2024

Date Reported : Oct 17, 2024

Report Number: 3140153-1C1

Page 1 of 1

Sample Description	Air Quality						
Location	A3 : วัดหนองกระบอก (GPS 47P 0747563, 1413915)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	Oct 02, 2024 - Oct 09, 2024						
Measurement by	Natthawut Duangpang						
	24112611-15	24112611-16	24112611-17	24112611-18	24112611-19	24112611-20	24112611-21
Time	Oct 02, 2024	Oct 03, 2024	Oct 04, 2024	Oct 05, 2024	Oct 06, 2024	Oct 07, 2024	Oct 08, 2024
10:00 AM - 11:00 AM	0.0023	0.0076	0.0080	0.0087	0.0081	0.0086	0.0090
11:00 AM - 12:00 PM	0.0093	0.0077	0.0083	0.0080	0.0083	0.0086	0.0090
12:00 PM - 01:00 PM	0.0089	0.0077	0.0087	0.0080	0.0080	0.0087	0.0088
01:00 PM - 02:00 PM	0.0087	0.0071	0.0094	0.0079	0.0083	0.0087	0.0090
02:00 PM - 03:00 PM	0.0092	0.0076	0.0099	0.0079	0.0080	0.0088	0.0090
03:00 PM - 04:00 PM	0.0092	0.0073	0.0100	0.0080	0.0082	0.0089	0.0091
04:00 PM - 05:00 PM	0.0096	0.0063	0.0091	0.0082	0.0084	0.0088	0.0091
05:00 PM - 06:00 PM	0.0095	0.0067	0.0090	0.0083	0.0082	0.0089	0.0091
06:00 PM - 07:00 PM	0.0096	0.0071	0.0088	0.0085	0.0084	0.0090	0.0092
07:00 PM - 08:00 PM	0.0097	0.0074	0.0090	0.0083	0.0083	0.0090	0.0093
08:00 PM - 09:00 PM	0.0098	0.0075	0.0092	0.0075	0.0083	0.0091	0.0091
09:00 PM - 10:00 PM	0.0098	0.0074	0.0090	0.0070	0.0083	0.0089	0.0092
10:00 PM - 11:00 PM	0.0098	0.0077	0.0093	0.0077	0.0084	0.0090	0.0091
11:00 PM - 12:00 AM	0.0098	0.0079	0.0088	0.0080	0.0084	0.0091	0.0091
12:00 AM - 01:00 AM	0.0097	0.0078	0.0088	0.0082	0.0085	0.0090	0.0091
01:00 AM - 02:00 AM	0.0091	0.0078	0.0086	0.0075	0.0086	0.0090	0.0091
02:00 AM - 03:00 AM	0.0092	0.0082	0.0085	0.0079	0.0086	0.0090	0.0090
03:00 AM - 04:00 AM	0.0076	0.0083	0.0085	0.0079	0.0088	0.0091	0.0088
04:00 AM - 05:00 AM	0.0072	0.0087	0.0086	0.0081	0.0088	0.0090	0.0089
05:00 AM - 06:00 AM	0.0076	0.0076	0.0085	0.0081	0.0087	0.0090	0.0090
06:00 AM - 07:00 AM	0.0074	0.0073	0.0085	0.0081	0.0088	0.0089	0.0091
07:00 AM - 08:00 AM	0.0074	0.0074	0.0086	0.0080	0.0089	0.0089	0.0093
08:00 AM - 09:00 AM	0.0074	0.0068	0.0091	0.0080	0.0085	0.0090	0.0092
09:00 AM - 10:00 AM	0.0076	0.0078	0.0089	0.0080	0.0088	0.0090	0.0094
Average	0.0086	0.0075	0.0089	0.0080	0.0084	0.0089	0.0091
1hr - Maximum	0.0098	0.0087	0.0100	0.0087	0.0089	0.0091	0.0094
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

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ความเร็วและทิศทางการ



Analysis / Test Report

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

Lot ID: 24114644
Date Received :Oct 11, 2024
Date Reported :Oct 18, 2024
Report Number :3128581-1

P/O : 2024-1022

Project Name : EIA Monitoring

Project Location :

Page 1 of 2

Sample Number 24114644-1 to 7
Parameter Wind Speed / Wind Direction
Location Ban Mabtong (GPS 47P 0741951, 1416054)
Sampling Date Oct 02 - Oct 09, 2024
Sampling by Natthawut Duangpang

Time	Oct 02 - Oct 03, 2024			Oct 03 - Oct 04, 2024			Oct 04 - Oct 05, 2024			Oct 05 - Oct 06, 2024			Oct 06 - Oct 07, 2024			Oct 07 - Oct 08, 2024			Oct 08 - Oct 09, 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)	
08:00 AM - 09:00 AM	1.1	117.0	ESE	1.0	145.0	SE	0.3	222.0	SW	1.7	46.0	NE	0.5	93.0	E	1.4	97.0	E	1.3	46.0	NE
09:00 AM - 10:00 AM	1.0	130.0	SE	0.5	89.0	E	1.2	177.0	S	0.9	62.0	ENE	0.7	44.0	NE	1.3	38.0	NE	0.7	324.0	NW
10:00 AM - 11:00 AM	1.0	152.0	SSE	1.8	167.0	SSE	1.4	203.0	SSW	0.8	233.0	SW	1.2	245.0	WSW	0.0	-	-	1.0	36.0	NE
11:00 AM - 12:00 PM	0.3	226.0	SW	0.6	166.0	SSE	0.6	274.0	W	1.5	250.0	WSW	0.6	258.0	WSW	1.6	209.0	SSW	0.9	41.0	NE
12:00 PM - 01:00 PM	0.6	277.0	W	0.4	203.0	SSW	2.3	45.0	NE	0.0	-	-	1.2	100.0	E	0.7	80.0	E	0.7	52.0	NE
01:00 PM - 02:00 PM	0.1	-	-	1.4	97.0	E	0.0	-	-	0.7	288.0	WNW	0.0	-	-	0.0	-	-	0.0	-	-
02:00 PM - 03:00 PM	0.0	-	-	1.6	166.0	SSE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.6	160.0	SSE
03:00 PM - 04:00 PM	0.4	188.0	S	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
04:00 PM - 05:00 PM	0.2	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	0.0	-	-	0.2	-	-
05:00 PM - 06:00 PM	0.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
06:00 PM - 07:00 PM	0.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
07:00 PM - 08:00 PM	0.1	-	-	0.0	-	-	0.4	39.0	NE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
08:00 PM - 09:00 PM	0.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
09:00 PM - 10:00 PM	0.1	-	-	0.0	-	-	0.5	37.0	NE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
10:00 PM - 11:00 PM	0.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-
11:00 PM - 12:00 AM	0.1	-	-	0.0	-	-	0.0	-	-	0.6	54.0	NE	0.0	-	-	0.0	-	-	0.0	-	-
12:00 AM - 01:00 AM	0.2	-	-	0.0	-	-	0.3	359.0	N	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
01:00 AM - 02:00 AM	0.1	-	-	0.8	46.0	NE	0.5	14.0	NNE	0.2	-	-	0.7	29.0	NNE	0.4	43.0	NE	1.0	42.0	NE
02:00 AM - 03:00 AM	0.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.0	43.0	NE	0.9	35.0	NE	0.5	113.0	ESE
03:00 AM - 04:00 AM	0.1	-	-	0.5	267.0	W	0.0	-	-	0.5	20.0	NNE	0.0	-	-	0.3	77.0	ENE	0.0	-	-
04:00 AM - 05:00 AM	0.2	-	-	0.0	-	-	1.5	21.0	NNE	0.6	42.0	NE	1.1	48.0	NE	1.4	14.0	NNE	0.9	39.0	NE
05:00 AM - 06:00 AM	0.3	38.0	NE	1.1	51.0	NE	1.4	50.0	NE	0.6	0.0	N	1.1	41.0	NE	0.0	-	-	0.3	145.0	SE
06:00 AM - 07:00 AM	0.4	191.0	S	1.2	41.0	NE	1.1	60.0	ENE	1.0	86.0	E	0.7	62.0	ENE	0.9	49.0	NE	0.2	-	-
07:00 AM - 08:00 AM	0.2	-	-	0.6	257.0	WSW	0.8	63.0	ENE	2.5	47.0	NE	0.0	-	-	1.4	120.0	ESE	0.2	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

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

P/O : 2024-1022

Project Name : EIA Monitoring

Project Location :

Lot ID: 24114644

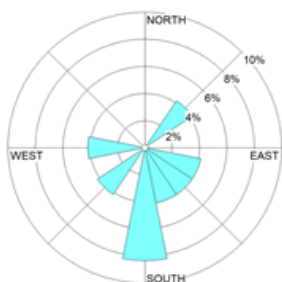
Date Received :Oct 11, 2024

Date Reported :Oct 18, 2024

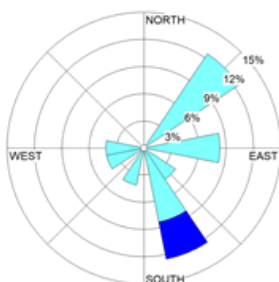
Report Number :3128581-1

Page 2 of 2

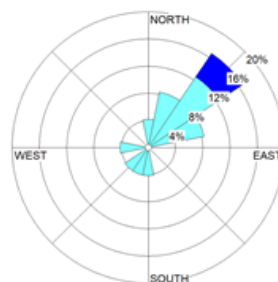
Wind Rose



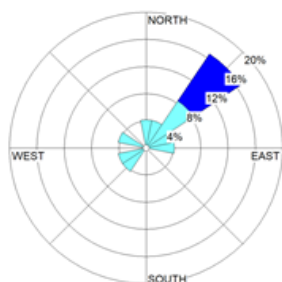
Date : Oct 02-03, 2024



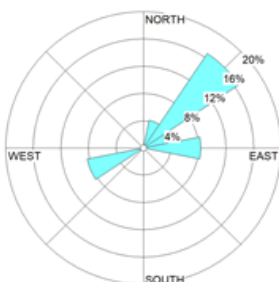
Date : Oct 03-04, 2024



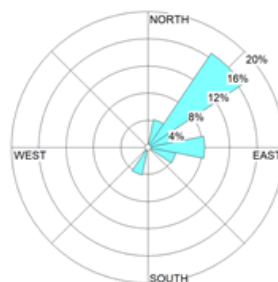
Date : Oct 04-05, 2024



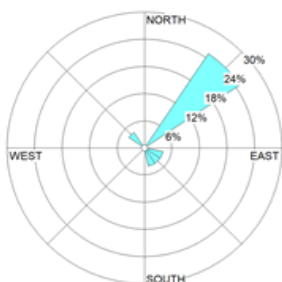
Date : Oct 05-06, 2024



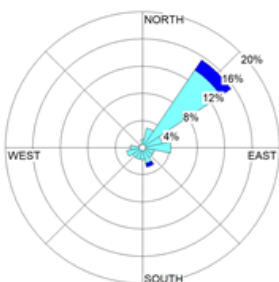
Date : Oct 06-07, 2024



Date : Oct 07-08, 2024



Date : Oct 08-09, 2024



Date : Oct 02-09, 2024

	WS (m/s)	%
	≥ 10.0	0.00
	8.0-10.0	0.00
	5.5-8.0	0.00
	3.3-5.5	0.00
	1.7-3.3	2.38
	0.3-1.7	41.67
	Calms	55.95

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

Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

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

Lot ID: 24112612
Date Received :Oct 10, 2024
Date Reported :Oct 18, 2024
Report Number :3123874-1

P/O : PO-2401-0003

Project Name :

Project Location :

Page 1 of 2

Sample Number : 24112612-1 to 7
Parameter : Wind Speed / Wind Direction
Location : A2 : วัดกระเจา (GPS 47P 0741408, 1411396)
Sampling Date : Oct 02 - Oct 09, 2024
Sampling by : Natthawut Duangpang

Time	Oct 02 - Oct 03, 2024			Oct 03 - Oct 04, 2024			Oct 04 - Oct 05, 2024			Oct 05 - Oct 06, 2024			Oct 06 - Oct 07, 2024			Oct 07 - Oct 08, 2024			Oct 08 - Oct 09, 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	1.1	147.0	SSE	0.6	136.0	SE	0.4	167.0	SSE	0.0	-	-	0.4	45.0	NE	0.4	286.0	WNW	0.3	67.0	ENE
10:00 AM - 11:00 AM	0.7	159.0	SSE	1.4	148.0	SSE	0.7	159.0	SSE	0.0	-	-	0.6	162.0	SSE	0.0	-	-	0.9	209.0	SSW
11:00 AM - 12:00 PM	0.0	-	-	1.0	76.0	ENE	0.9	26.0	NNE	0.1	-	-	0.0	-	-	0.0	-	-	0.4	234.0	SW
12:00 PM - 01:00 PM	1.2	165.0	SSE	1.6	159.0	SSE	0.1	-	-	0.1	-	-	0.3	141.0	SE	0.2	-	-	1.0	79.0	E
01:00 PM - 02:00 PM	0.2	-	-	1.4	181.0	S	0.0	-	-	0.2	-	-	0.4	282.0	WNW	1.3	169.0	S	0.6	255.0	WSW
02:00 PM - 03:00 PM	0.1	-	-	0.8	164.0	SSE	0.5	20.0	NNE	0.4	13.0	NNE	0.9	348.0	NNW	0.3	170.0	S	0.0	-	-
03:00 PM - 04:00 PM	0.3	162.0	SSE	1.6	159.0	SSE	0.4	13.0	NNE	0.6	8.0	N	0.8	272.0	W	0.2	-	-	0.3	281.0	W
04:00 PM - 05:00 PM	1.0	162.0	SSE	0.9	159.0	SSE	0.2	-	-	0.4	290.0	WNW	0.6	350.0	N	0.0	-	-	0.0	-	-
05:00 PM - 06:00 PM	2.2	162.0	SSE	0.9	162.0	SSE	0.0	-	-	0.2	-	-	0.3	350.0	N	0.1	-	-	0.3	281.0	W
06:00 PM - 07:00 PM	1.3	162.0	SSE	0.6	162.0	SSE	0.0	-	-	0.3	245.0	WSW	0.1	-	-	0.0	-	-	0.5	281.0	W
07:00 PM - 08:00 PM	0.5	162.0	SSE	0.0	-	-	0.3	359.0	N	0.0	-	-	0.0	-	-	0.1	-	-	0.7	281.0	W
08:00 PM - 09:00 PM	0.2	-	-	0.3	151.0	SSE	0.3	359.0	N	0.0	-	-	0.0	-	-	0.1	-	-	0.8	336.0	NNW
09:00 PM - 10:00 PM	0.2	-	-	0.3	151.0	SSE	0.4	2.0	N	0.1	-	-	0.1	-	-	0.2	-	-	0.5	27.0	NNE
10:00 PM - 11:00 PM	0.3	162.0	SSE	0.2	-	-	0.8	2.0	N	0.1	-	-	0.2	-	-	0.2	-	-	0.3	27.0	NNE
11:00 PM - 12:00 AM	1.0	161.0	SSE	0.0	-	-	0.1	-	-	0.2	-	-	0.2	-	-	0.3	350.0	N	0.0	-	-
12:00 AM - 01:00 AM	0.2	-	-	0.0	-	-	0.2	-	-	0.2	-	-	0.3	349.0	N	0.3	350.0	N	0.0	-	-
01:00 AM - 02:00 AM	0.2	-	-	0.2	-	-	0.2	-	-	0.2	-	-	0.1	-	-	0.4	350.0	N	0.1	-	-
02:00 AM - 03:00 AM	0.1	-	-	0.2	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.7	350.0	N	0.1	-	-
03:00 AM - 04:00 AM	0.3	164.0	SSE	0.7	145.0	SE	0.5	2.0	N	0.0	-	-	0.2	-	-	0.3	276.0	W	0.1	-	-
04:00 AM - 05:00 AM	0.4	251.0	WSW	1.2	7.0	N	0.0	-	-	0.1	-	-	0.0	-	-	0.3	20.0	NNE	0.0	-	-
05:00 AM - 06:00 AM	0.2	-	-	1.4	22.0	NNE	0.3	8.0	N	0.1	-	-	0.0	-	-	0.2	-	-	0.0	-	-
06:00 AM - 07:00 AM	0.1	-	-	2.0	15.0	NNE	0.3	27.0	NNE	0.1	-	-	0.1	-	-	0.1	-	-	0.2	-	-
07:00 AM - 08:00 AM	3.6	98.0	E	0.2	-	-	0.1	-	-	0.3	114.0	ESE	0.1	-	-	0.0	-	-	0.3	186.0	S
08:00 AM - 09:00 AM	3.9	2.0	N	0.0	-	-	0.3	5.0	N	0.7	54.0	NE	0.1	-	-	0.4	67.0	ENE	0.0	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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

Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

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

P/O : PO-2401-0003

Project Name :

Project Location :

Lot ID: 24112612

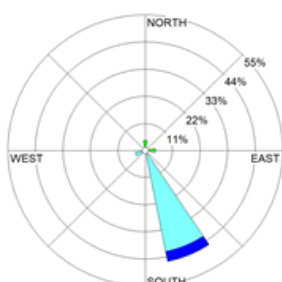
Date Received :Oct 10, 2024

Date Reported :Oct 18, 2024

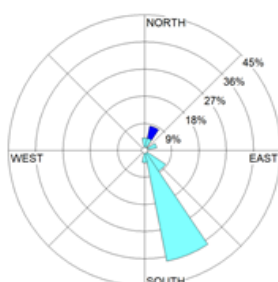
Report Number :3123874-1

Page 2 of 2

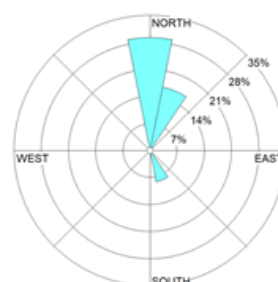
Wind Rose



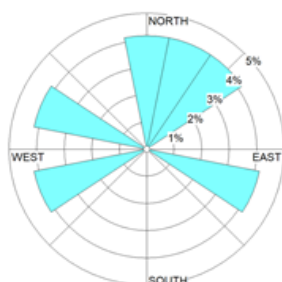
Date : Oct 02-03, 2024



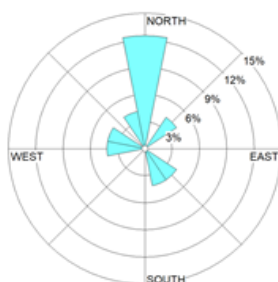
Date : Oct 03-04, 2024



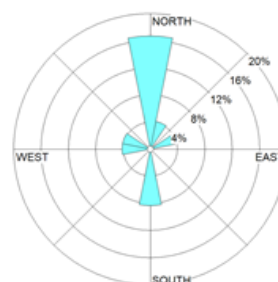
Date : Oct 04-05, 2024



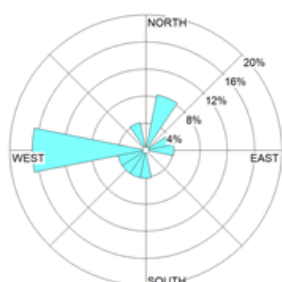
Date : Oct 05-06, 2024



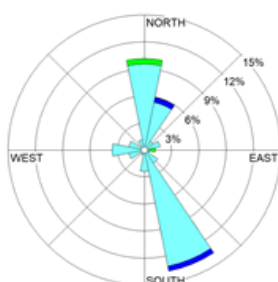
Date : Oct 06-07, 2024



Date : Oct 07-08, 2024



Date : Oct 08-09, 2024



Date : Oct 02-09, 2024

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	1.19
1.7-3.3	1.19
0.3-1.7	45.83
Calms	51.79

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Approved by

Sarayuth Jitranont
Assistant General Manager



Analysis / Test Report

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

Lot ID: 24114644

Date Received :Oct 11, 2024

Date Reported :Oct 18, 2024

Report Number :3128581-1

P/O : 2024-1022

Project Name : EIA Monitoring

Project Location :

Page 1 of 2

Sample Number 24114644-8 to 14
Parameter Wind Speed / Wind Direction
Location Ban Nonglaloak (Wad Nongkrabok) (GPS 47P 0747563, 1413915)
Sampling Date Oct 02 - Oct 09, 2024
Sampling by Natthawut Duangpang

Time	Oct 02 - Oct 03, 2024			Oct 03 - Oct 04, 2024			Oct 04 - Oct 05, 2024			Oct 05 - Oct 06, 2024			Oct 06 - Oct 07, 2024			Oct 07 - Oct 08, 2024			Oct 08 - Oct 09, 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	0.4	133.0	SE	0.4	152.0	SSE	0.3	106.0	ESE	0.5	113.0	ESE	4.1	117.0	ESE	0.0	-	-	0.2	-	-
10:00 AM - 11:00 AM	2.2	120.0	ESE	1.5	191.0	S	2.2	65.0	ENE	1.8	109.0	ESE	0.6	0.0	N	1.9	109.0	ESE	1.7	0.0	N
11:00 AM - 12:00 PM	1.0	117.0	ESE	0.5	118.0	ESE	1.1	184.0	S	2.9	160.0	SSE	0.8	189.0	S	0.3	114.0	ESE	0.5	194.0	SSW
12:00 PM - 01:00 PM	1.3	110.0	ESE	1.0	119.0	ESE	0.0	-	-	1.9	121.0	ESE	0.2	-	-	0.4	0.0	N	0.1	-	-
01:00 PM - 02:00 PM	0.9	96.0	E	0.5	104.0	ESE	0.0	-	-	1.2	82.0	E	0.0	-	-	0.1	-	-	0.0	-	-
02:00 PM - 03:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.3	223.0	SW	0.5	0.0	N	0.0	-	-	0.3	0.0	N
03:00 PM - 04:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.9	184.0	S	0.5	0.0	N	0.0	-	-	0.0	-	-
04:00 PM - 05:00 PM	0.7	193.0	SSW	0.0	-	-	0.0	-	-	0.4	186.0	S	0.0	-	-	0.0	-	-	0.0	-	-
05:00 PM - 06:00 PM	0.0	-	-	0.2	-	-	0.0	-	-	0.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-
06:00 PM - 07:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
07:00 PM - 08:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.7	0.0	N
08:00 PM - 09:00 PM	0.0	-	-	0.0	-	-	1.0	229.0	SW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
09:00 PM - 10:00 PM	0.0	-	-	0.0	-	-	0.3	232.0	SW	0.2	-	-	0.0	-	-	0.0	-	-	0.1	-	-
10:00 PM - 11:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.9	0.0	N	0.0	-	-	0.7	0.0	N	0.0	-	-
11:00 PM - 12:00 AM	0.6	0.0	N	0.6	228.0	SW	0.4	232.0	SW	0.3	0.0	N	0.0	-	-	0.3	0.0	N	0.0	-	-
12:00 AM - 01:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	1.3	220.0	SW
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.5	231.0	SW	0.0	-	-	0.2	-	-
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.8	230.0	SW	0.2	-	-	0.1	-	-
03:00 AM - 04:00 AM	0.4	0.0	N	0.0	-	-	0.2	-	-	0.6	231.0	SW	0.7	230.0	SW	0.7	69.0	ENE	2.2	115.0	ESE
04:00 AM - 05:00 AM	0.0	-	-	0.5	0.0	N	1.4	0.0	N	0.7	231.0	SW	1.2	0.0	N	0.5	0.0	N	0.7	165.0	SSE
05:00 AM - 06:00 AM	3.6	195.0	SSW	1.7	230.0	SW	1.2	218.0	SW	0.8	0.0	N	0.6	223.0	SW	0.0	-	-	0.4	105.0	ESE
06:00 AM - 07:00 AM	0.2	-	-	0.9	0.0	N	0.9	203.0	SSW	0.5	214.0	SW	0.2	-	-	0.6	232.0	SW	0.2	-	-
07:00 AM - 08:00 AM	0.9	200.0	SSW	0.7	189.0	S	2.2	222.0	SW	1.4	191.0	S	0.0	-	-	0.1	-	-	0.3	122.0	ESE
08:00 AM - 09:00 AM	1.1	195.0	SSW	0.5	103.0	ESE	1.4	194.0	SSW	0.5	196.0	SSW	0.0	-	-	1.2	225.0	SW	0.2	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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

Approved by

Sarayuth Jittrantont
Assistant General Manager



Analysis / Test Report

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

P/O : 2024-1022

Project Name : EIA Monitoring

Project Location :

Lot ID: 24114644

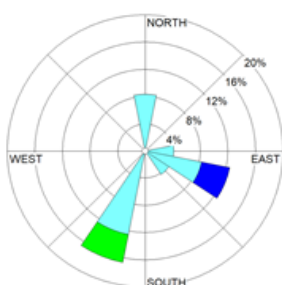
Date Received :Oct 11, 2024

Date Reported :Oct 18, 2024

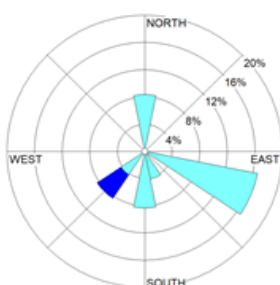
Report Number :3128581-1

Page 2 of 2

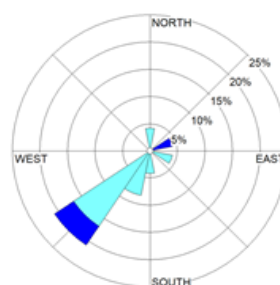
Wind Rose



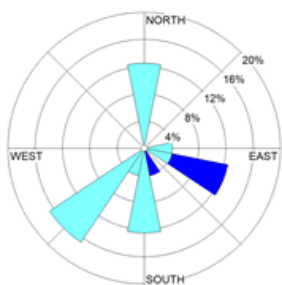
Date : Oct 02-03, 2024



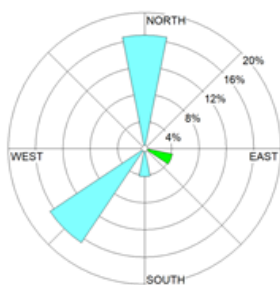
Date : Oct 03-04, 2024



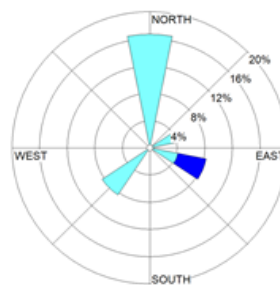
Date : Oct 04-05, 2024



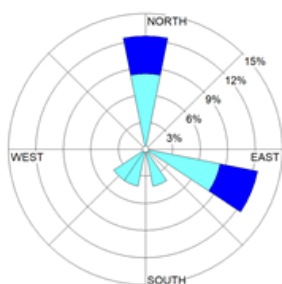
Date : Oct 05-06, 2024



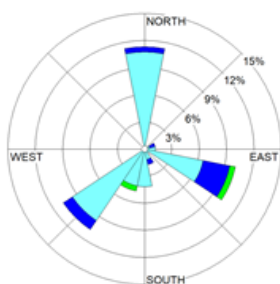
Date : Oct 06-07, 2024



Date : Oct 07-08, 2024



Date : Oct 08-09, 2024



Date : Oct 02-09, 2024

	WS (m/s)	%
	≥ 10.0	0.00
	8.0-10.0	0.00
	5.5-8.0	0.00
	3.3-5.5	1.19
	1.7-3.3	5.95
	0.3-1.7	38.69
	Calms	54.17

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

Approved by

Sarayuth Jitranont
Assistant General Manager

คุณภาพน้ำทิ้ง



Analysis / Test Report

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: 2476815
Date Received : Jul 12, 2024
Date Reported : Jul 20, 2024
Report Number : 3060095-1

Page 1 of 1

Sample Number	2476815-1					
Sampled Date	Jul 12, 2024 9:10 AM					
Sample Description	Wastewater					
Location	Normal Pond (Sump)					
Date Analysis Commenced	Jul 12, 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	51	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		-	-	2.3	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	0.6	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	32.1	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	1480	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	36	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Sampling By : Wasan Kinunti ทะเบียนเลขที่ ว-323-จ-0019 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9446

Approved by

D. Chongchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-จ-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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Life Sciences

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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 :



TESTING
No.0042

Lot ID: 2476815
Date Received : Jul 12, 2024
Date Reported : Jul 20, 2024
Report Number : 3060096-1

Page 1 of 2

Sample Number	2476815-2					
Sampled Date	Jul 12, 2024 9:17 AM					
Sample Description	Wastewater					
Location	(inal Pond S) olding PondH					
Date Analysis Commenced	Jul 12, 2024					
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards SAP) A, UxEPAH					

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD 55 days at 20 Degree CH	mg/L	-	2.0	<2.0	≤20	xstandard Methods for the Examination of Water and Wastewater. AP) A, AWWA F WE(, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	79	≤120	xstandard Methods for the Examination of Water and Wastewater. AP) A, AWWA F WE(, 23rd ed., 2017, part 5220 D	Rayong
Oil F Grease	mg/L	-	3	<3	≤5	xstandard Methods for the Examination of Water and Wastewater. AP) A, AWWA F WE(, 23rd ed., 2017, part 5520 B	Rayong
p) at 25 degree C		-	-	7.6	5.5-9.0	xstandard Methods for the Examination of Water and Wastewater. AP) A, AWWA F WE(, 23rd ed., 2017, part 4500 -) SBH	Rayong
Residual (ree Chlorine *	mg/L	-	0.1	<0.1	≤1.0	xstandard Methods for the Examination of Water and Wastewater. AP) A, AWWA F WE(, 23rd ed., 2017, part 4500-Cl S H	Rayong
Temperature *	Degree C	-	-	34.4	≤40	xstandard Methods for the Examination of Water and Wastewater. AP) A, AWWA F WE(, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved xolids Dried at 180 degree C	mg/L	-	5	1770	≤3000	xstandard Methods for the Examination of Water and Wastewater. AP) A, AWWA F WE(, 23rd ed., 2017, part 2540 C	Rayong
Total xuspended xolids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	xstandard Methods for the Examination of Water and Wastewater. AP) A, AWWA F WE(, 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 S2017H

Sampling By : Wasan Kinunti ทะเบียนเลขที่ ว-323-จ-0019 , Pattarapol xawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

Technical Management

Photchana S.

Photchana xeeda
xscientist 5H
ทะเบียนเลขที่ ว-323-จ-9446

Approved by

D. Chongchon

Dej Changchon
xenior Manager
ทะเบียนเลขที่ ว-323-จ-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: 2476815
Date Received : Jul 12, 2024
Date Reported : Jul 20, 2024
Report Number : 3060096-1

Page 2 of 2

- LOD : Limit of Detection
- < : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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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: 2476815
Date Received : Jul 12, 2024
Date Reported : Jul 20, 2024
Report Number : 3060096-2

Page 1 of 1

Sample Number	2476815-2						
Sampled Date	Jul 12, 2024 9:17 AM						
Sample Description	Wastewater						
Location	Final Pond (Holding Pond)						
Date Analysis Commenced	Jul 12, 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
Metals Testing							
Calcium	mg/L	0.03	0.05	132	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	21.9	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	0.10	8.85	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	417	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Dissolved Oxygen *	mg/L	-	0.1	6.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.031	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 , Pattarapol Sawangjaitam

Remark :

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Technical Management

Photchana S.

Photchana xeeda
cientist SH
ทะเบียนเลขที่ 7-323-9-9446

Approved by

D. Changchon

Dej Changchon
senior Manager
ทะเบียนเลขที่ 7-323-9-9442

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Approved by

Chanatt L.

Chanattagarn Imchom
Section Head

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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 :



TESTING
No.0042
Lot ID: 2476818
Date Received : Jul 12, 2024
Date Reported : Jul 13, 2024
Report Number : 6045519-1

Page 1 of 1

Sample Number	2478313-1
Sampled Date	Jul 12, 2024 9:17 AM
Sample Description	Wastewater
Location	บริเวณบ่อกักเก็บน้ำ (inal Pond S) olding PondH
Date Analysis Commenced	Jul 16, 2024
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards SAP) A, UxEPAH

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total &eldahl Nitrogen as N	mg/*	-	1.0	1.6	≤100	xstandard Methods for the ELamination of Water and Wastewater. AP) A, AWWA < WE(, 26rd ed., 2017, part 4500-Norg SCH part N) 6 SDH	Rayong

Guideline : Notification of the Ministry of Natural Resources and Environment B.E. 2585 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : ขุphanat xakulk ทะเบียนเลขที่ ว-626-จ-0021 , Pattarapol xawangfhitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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- JQJ : *ower than *OK S'imit of KuantitationH/ *OR S'imit of ReportingH
- AnalyteSmarked " is/are not included in scope of Accreditation IxO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the IxO/IEC 17025.

Technical Management

Chontichak

Chonticha xubongkoch
cientist SH
ทะเบียนเลขที่ ว-626-จ-9449

Approved by

D. Changchon

DeF Changchon
xenior Manager
ทะเบียนเลขที่ ว-626-ค-9442

Results apply to the sample(s) submitted, unless the sampling was conducted by A*x. No part of this report may be reproduced in any form without written consent from the laboratory.
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8372-21/ EHA1*



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: 2476818
Date Received : Jul 12, 2024
Date Reported : Jul 18, 2024
Report Number : 3045519-2

Page 1 of 1

Sample Number	2476818-1
Sampled Date	Jul 12, 2024 9:17 AM
Sample Description	Wastewater
Location	บริเวณบ่อกักเก็บน้ำ Final Pond (Holding Pond)
Date Analysis Commenced	Jul 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
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.006	≤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 : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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Technical Management

Sawitree N.

Sawitree Naisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanokkom Anek

Kanokkom Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-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: 2476818
Date Received : Jul 12, 2024
Date Reported : Jul 19, 2024
Report Number : 3045519-3

Page 1 of 1

Sample Number	2476818-1						
Sampled Date	Jul 12, 2024 9:17 AM						
Sample Description	Wastewater						
Location	บึงหนองปลา Final Pond (Holding Pond)						
Date Analysis Commenced	Jul 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
Metals Testing							
Iron	mg/L	0.003	0.005	0.67	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
Nitrate as N *	mg/L	0.015	0.05	2.45	≤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 : Suphanat Sakulk , Pattarapol Sawangjaitam

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: 2489464
Date Received : Aug 13, 2024
Date Reported : Aug 20, 2024
Report Number : 3087728-1

Page 1 of 1

Sample Number	2489464-1						
Sampled Date	Aug 13, 2024 9:35 AM						
Sample Description	Wastewater						
Location	Normal Pond (Sump)						
Date Analysis Commenced	Aug 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	45	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		-	-	7.6	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	-	-	32.9	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	948	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	47	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Sampling By : Wasan Kinunti ทะเบียนเลขที่ ร-323-จ-0019 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ร-204-จ-0001

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-จ-0028

Approved by

D. Changchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ร-323-จ-0001

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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: 2489464
Date Received : AJg 1u, 2024
Date Reported : AJg 20, 2024
Report NJ mber : u036629-1

Page 1 of 2

Sample Number	2439474-2
Sampled Date	AJg 1u, 2024 9:40 AM
Sample Description	8 asteWater
Location	winal Pond (Solding Pond)
Date Analysis Commenced	AJg 1u, 2024
Condition of Sample	Contained in one amber glass bottle, tWo BOD bottles and foJr plastic bottles, sample containers comply to pretreatment - preservation standards (APSA, HUEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/F	-	2.0	L 2.0	≤20	Utandard Methods for the Examination of 8 ater and 8 asteWater. APSA, A8 8 A & 8 Ew 2urd ed., 2016, part 5210 B, part 4500 - O G	Rayong
COD	mg/F	1.5	25	77	≤120	Utandard Methods for the Examination of 8 ater and 8 asteWater. APSA, A8 8 A & 8 Ew 2urd ed., 2016, part 5220 D	Rayong
Oil & Grease	mg/F	-	u	L u	≤5	Utandard Methods for the Examination of 8 ater and 8 asteWater. APSA, A8 8 A & 8 Ew 2urd ed., 2016, part 5520 B	Rayong
pS at 25 degree C		-	-	6.3	5.5-9.0	Utandard Methods for the Examination of 8 ater and 8 asteWater. APSA, A8 8 A & 8 Ew 2urd ed., 2016, part 4500 - S (B)	Rayong
ResidJal wee Chlorine <	mg/F	-	0.1	L 0.1	≤1.0	Utandard Methods for the Examination of 8 ater and 8 asteWater. APSA, A8 8 A & 8 Ew 2urd ed., 2016, part 4500-Cl (w)	Rayong
TemperatJre <	Degree C	-	-	u5.4	≤40	Utandard Methods for the Examination of 8 ater and 8 asteWater. APSA, A8 8 A & 8 Ew 2urd ed., 2016, part 2550 B	Rayong
Total Dissolved Uolids Dried at 130 degree C	mg/F	-	5	19u0	≤u000	Utandard Methods for the Examination of 8 ater and 8 asteWater. APSA, A8 8 A & 8 Ew 2urd ed., 2016, part 2540 C	Rayong
Total UJsponded Uolids Dried at 10u-105 degree C	mg/F	-	5	L 5	≤50	Utandard Methods for the Examination of 8 ater and 8 asteWater. APSA, A8 8 A & 8 Ew 2urd ed., 2016, part 2540 D	Rayong

Guideline : EffJient standard for factories, indJstrial estate and indJstrial park set by Notification of the Ministry of NatJral ResoJrce and Environment and effJient standard for factories and indJstrial park set by Notification of The Ministry of IndJstry dated *Jne 06, B.E.2570 (2016).

Sampling By : 8 asan KinJ nti ทะเเมยนเลขที่ ว-บ2u-จ-0019 , KardbJndit KitisJ pavanit ทะเเมยนเลขที่ ว-204-จ-0001

Remark :

Technical Management

Photchana S.

Photchana Ueeda
Ucientist (4)
ทะเเมยนเลขที่ ว-บ2u-จ-0023

Approved by

D. Chamon.

Dej Changchon
Uenior Manager
ทะเเมยนเลขที่ ว-บ2u-ค-0001

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7362-21/ EMAIF



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: 2489464
Date Received : AJg 1u, 2024
Date Reported : AJg 20, 2024
Report NJ mber : u036629-1

Page 2 of 2

- FOD : Fimit of Detection
- J _ _ : FoWer than FO\ (Fimit of \J antitation) / FOR (Fimit of Reporting)
- Analyte(s) marked < is/are not inclJded in scope of Accreditation IUO/IEC 16025.
- The laboratory has been accepted as an accredited laboratory complying With the IUO/IEC 16025.

Technical Management

Photchana S.

Photchana Ueeda
Ucientist (4)
ทะเเมยนเลขที่ ว-บ2u-จ-0023

Approved by

D. Chamon.

Dej Changchon
Uenior Manager
ทะเเมยนเลขที่ ว-บ2u-ค-0001

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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: 2489464
Date Received : Aug 13, 2024
Date Reported : Aug 20, 2024
Report Number : 3087729-2

Page 1 of 1

Sample Number	2489464-2						
Sampled Date	Aug 13, 2024 9:40 AM						
Sample Description	Wastewater						
Location	Final Pond (Holding Pond)						
Date Analysis Commenced	Aug 13, 2024						
Condition of Sample	Contained in one amber glass bottle, two BOD bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mg/L	0.03	0.05	147	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	26.1	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	0.10	8.75	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	437	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Dissolved Oxygen *	mg/L	-	0.1	6.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.031	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 , Kardbundit Kitisupavanit

Remark :
- LOD : Limit of Detection
- "c" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
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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: 2489468
Date Received : Aug 13, 2024
Date Reported : Aug 18, 2024
Report Number : 307424P-1

Page 1 of 1

Sample Number	24P846P-1						
Sampled Date	Aug 13, 2024 8:40 AM						
Sample Description	Wastewater						
Location	บึงแฉะ (inal f ond S) olding f ondH						
Date Analysis Commenced	Aug 14, 2024						
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (SAF) A, Ux EFAH						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total &ldahl Nitrogen as N	mg/*	-	1.0	2.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg SCH part N) 3 SDH	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 , Kardbundit Kitisupavanit

Remark :
- LOD : Limit of Detection
- Q Q : Lower than OK Limit of Quantitation/ OR 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

Photchan S.

Photchan xeeda
Scientist SH
เบอร์โทร 323-3-002P

Approved by

D. Changchon

DeF Changchon
Senior Manager
เบอร์โทร 323-3-0001

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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: 2489468
Date Received : Aug 13, 2024
Date Reported : Aug 19, 2024
Report Number : 3074248-2

Page 1 of 1

Sample Number	2489468-1						
Sampled Date	Aug 13, 2024 9:40 AM						
Sample Description	Wastewater						
Location	บริเวณบ่อกักเก็บน้ำ Final Pond (Holding Pond)						
Date Analysis Commenced	Aug 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
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	0.73	≤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 ว-323-จ-0019 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ว-204-จ-0001

Remark :

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Technical Management

Sawitree N.

Sawitree Noisangiam

Manager

ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanokkorn Anek

Kanokkorn Anek

Assistant General Manager

ทะเบียนเลขที่ ว-204-จ-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: 2489468
Date Received : Aug 13, 2024
Date Reported : Aug 19, 2024
Report Number : 3074248-3

Page 1 of 1

Sample Number	2489468-1						
Sampled Date	Aug 13, 2024 9:40 AM						
Sample Description	Wastewater						
Location	บริเวณบ่อกักเก็บน้ำ Final Pond (Holding Pond)						
Date Analysis Commenced	Aug 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
Metals Testing							
Iron	mg/L	0.003	0.005	0.12	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
Nitrate as N *	mg/L	0.015	0.05	3.56	≤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 , Kardbundit Kitisupavanit

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
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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 : PO-2401-0003
Project Name : EIA Monitoring
Project Location :



TESTING
No.0042

Lot ID: 2489470
Date Received : Sep 12, 2024
Date Reported : Sep 19, 2024
Report Number : 3116141-1

Page 1 of 1

Sample Number	2489470-1					
Sampled Date	Sep 12, 2024 9:17 AM					
Sample Description	Wastewater					
Location	Normal Pond (Sump)					
Date Analysis Commenced	Sep 12, 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	30	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	-	-	-	7.5	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	-	-	35.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	892	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	110	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

Sampling By : Suphanat Sakul ทะเบียนเลขที่ ว-323-จ-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management

Photchana S.

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Chongchon

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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 : 40-2101-000u
Project Name : EIA Monitoring
Project Location :



TESTING
No.0042

Lot ID: 2489470
vate Received : Dep 12, 2023
vate Reported : Dep 13, 2023
Report Nf mber : u11P1J2-1

Page 1 of 2

Sample Number	2163180-2					
Sampled Date	Dep 12, 2023 3:21 AM					
Sample Description	Wastewater					
Location	Final 4ond (Holding 4ond)					
Date Analysis Commenced	Dep 12, 2023					
Condition of Sample	Contained in two 80v bottles, one amber glass bottle and 3x plastic bottles, sample containers comply to pretreatment - preservation standards (A4HA, UDE4A)					

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOv (5 days at 20 vegree C)	mg/&	-	2.0	L 2.0	≤20	Dtandard Methods 7or the ESamination o7Water and Wastewater. A4HA, AWWA x WEF, 2urd ed., 2018, part 5210 B, part J500 - O G	Rayong
COv	mg/&	1.5	25	26	≤120	Dtandard Methods 7or the ESamination o7Water and Wastewater. A4HA, AWWA x WEF, 2urd ed., 2018, part 5220 v	Rayong
Oil x Grease	mg/&	-	u	L u	≤5	Dtandard Methods 7or the ESamination o7Water and Wastewater. A4HA, AWWA x WEF, 2urd ed., 2018, part 5520 B	Rayong
pH at 25 degree C	-	-	-	8.6	5.5-3.0	Dtandard Methods 7or the ESamination o7Water and Wastewater. A4HA, AWWA x WEF, 2urd ed., 2018, part 5520 B	Rayong
Residf al Free Chlorine *	mg/&	-	0.1	L 0.1	≤1.0	Dtandard Methods 7or the ESamination o7Water and Wastewater. A4HA, AWWA x WEF, 2urd ed., 2018, part J500-Cl (F)	Rayong
Temperatfre *	vegree C	-	-	uJ.8	≤10	Dtandard Methods 7or the ESamination o7Water and Wastewater. A4HA, AWWA x WEF, 2urd ed., 2018, part 2550 B	Rayong
Total v issolved Dolids v ried at 160 degree C	mg/&	-	5	2130	≤u000	Dtandard Methods 7or the ESamination o7Water and Wastewater. A4HA, AWWA x WEF, 2urd ed., 2018, part 2510 C	Rayong
Total Df spended Dolids v ried at 10u-105 degree C	mg/&	-	5	11	≤50	Dtandard Methods 7or the ESamination o7Water and Wastewater. A4HA, AWWA x WEF, 2urd ed., 2018, part 2510 v	Rayong

Guideline : E77f ent standard 7or 7actories, indf strlal estate and indf strlal park set by Notif7cation o7the Ministry o7Natf ral Resof rce and En9ironment and e77f ent standard 7or 7actories and indf strlal park set by Notif7cation o7The Ministry o7Indf stry dated jf ne 08, B.E.25P0 (2018).

Sampling By : Df phanat Dakf lk ทะเบียนเลขที่ ว-u2u-จ-0021 , 4attarapol Dawang@itam ทะเบียนเลขที่ ว-20J-จ-0002

Remark :

Technical Management

Photchana S.

4hotchana Deeda
Scientist (J)
ทะเบียนเลขที่ ว-u2u-จ-0026

Approved by

D. Chongchon

veQ Changchon
Denior Manager
ทะเบียนเลขที่ ว-u2u-ค-0001

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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 : 40-2101-000u
Project Name : EIA Monitoring
Project Location :



TESTING
No.0042
Lot ID: 2489470
v ate Received : Sep 12, 2023
v ate Reported : Sep 13, 2023
Report Nf mber : u11P1J2-1

Page 2 of 2

- 80v : 8limit o7v etection
- 1_ : 8ower than 80\ (8limit o7\ fanttation) / 8OR (8limit o7Reporting)
- Analyte(s) marked * is/are not inclf ded in scope o7 Accreditation IDO/IEC 18025.
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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 : PO-2401-0003
Project Name : EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 2489470
Date Received : Sep 12, 2024
Date Reported : Sep 19, 2024
Report Number : 3116142-2

Page 1 of 1

Sample Number	2489470-2						
Sampled Date	Sep 12, 2024 9:21 AM						
Sample Description	Wastewater						
Location	Final Pond (Holding Pond)						
Date Analysis Commenced	Sep 12, 2024						
Condition of Sample	Contained in two BOD bottles, 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
Metals Testing							
Calcium	mg/L	0.03	0.05	130	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	24.1	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	0.10	11.7	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	553	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Dissolved Oxygen *	mg/L	-	0.1	8.4	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/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 : Suphanat Sakulk , Pattarapol Sawangjaitam

Remark :

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

Photchanas.

4hotchana Deeda
Dcientist (J)
ทะเบียนเลขที่ ว-บ2บ-จ-0026

Approved by

D. Chamon.

v eQ Changchon
Denior Manager
ทะเบียนเลขที่ ว-บ2บ-ค-0001

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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: 2489479
3 ate ReceiDed : uep 12, 2024
3 ate Reported : uep 1v, 2024
Report NPmber : 8074257-1

Page 1 of 1

Sample Number	24v6476-1
Sampled Date	uep 12, 2024 6:21 AM
Sample Description	Wastewater
Location	บึงหนองปลา (inal fond S) olding fondH
Date Analysis Commenced	uep 12, 2024
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preserDation standards Saf) A, UuEf AH

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total x&ldahl Nitrogen as N	mg/<	-	1.0	2.5	≤100	utandard Methods 9r the EFamination o9Water and Wastewater. Af) A, AWWA L WE(, 28rd ed., 2017, part 4500-Norg SCH part N) 8 SH	Rayong

Guideline : Notification o9the Ministry o9NatPral ResoPrces and EnDronment B.E. 25*5 : The standard 9r controlling the discharge o9wastewater 9rom an electric power plant.

Sampling By : uPphanat uakPlk ทะเบียนเลขที่ ว-828-จ-0021 , f attarapol uawang&ititam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

- <Q3 : <limit o93 etection
- Q Q : <ower than -OK S&mit o9K PantitationH/ <OR S&mit o9ReportingH
- AnalyteS&Hmarked j is/are not inclPded in scope o9Accreditation IuO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the IuO/IEC 17025.

Technical Management

Photchanas

f hotchana ueeda
ucientist SH
ทะเบียนเลขที่ ว-828-จ-002v

Approved by

D. Chuan

3 e& Changchon
uenior Manager
ทะเบียนเลขที่ ว-828-ค-0001

ResPits apply to the sampleS&Has sPbmited, Pless the sampling was condPcted by A-u. No part o9this report may be reprodPced in any 9rm withoPt written consent 9rom the laboratory.
A-u laboratory GroPp SThailand&strongly recommends that this report is not reprodPced ePcept in 9H.

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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: 2489479
Date Received : Sep 12, 2024
Date Reported : Sep 18, 2024
Report Number : 3074257-2

Page 1 of 1

Sample Number	2489479-1
Sampled Date	Sep 12, 2024 9:21 AM
Sample Description	Wastewater
Location	บึงหนองปลา Final Pond (Holding Pond)
Date Analysis Commenced	Sep 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
Metals Testing							
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	0.59	≤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 : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , Pattarapol Sawang&ititam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Sawitree N.

Sawitree Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-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: 2489479
Date Received : Sep 12, 2024
Date Reported : Sep 18, 2024
Report Number : 3074257-3

Page 1 of 1

Sample Number	2489479-1						
Sampled Date	Sep 12, 2024 9:21 AM						
Sample Description	Wastewater						
Location	บึงหนองปลา Final Pond (Holding Pond)						
Date Analysis Commenced	Sep 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
Metals Testing							
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
Water Testing							
Nitrate as N *	mg/L	0.015	0.05	3.08	≤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 : Suphanat Sakulk , Pattarapol Sawangjaitam

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

Sawitree N.

Sawitree Noisangiam
Manager

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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 : 202P-1022
Project Name : EIA Monitoring
Project Location :



TESTING
No.0042

Lot ID: 24113244
Date Received : Oct 11, 202P
Date Reported : Oct 1S, 202P
Report Number : D1P21v9-1

Page 1 of 1

Sample Number	2P11D2PP-1						
Sampled Date	Oct 11, 202P S:D2 AM						
Sample Description	8 aste7 ater						
Location	Normal uond W6mp(
Date Analysis Commenced	Oct 11, 202P						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (Wu) A, HVEuA(

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BO4 W8 days at 20 4egree C(	mg/F	-	2.0	L 2.0	wandard Methods for the Elamination of 8 ater and 8 aste7 ater. Au) A, A8 8 A x 8 E8, 2Pth ed., 202D, part 5210 B, part P500 - O G	Rayong
CO4	mg/F	1.5	25	PP	wandard Methods for the Elamination of 8 ater and 8 aste7 ater. Au) A, A8 8 A x 8 E8, 2Pth ed., 202D, part 5220 4	Rayong
Oil x Grease	mg/F	-	D	L D	wandard Methods for the Elamination of 8 ater and 8 aste7 ater. Au) A, A8 8 A x 8 E8, 2Pth ed., 202D, part 5520 B	Rayong
p) at 25 degree C		-	-	<5	wandard Methods for the Elamination of 8 ater and 8 aste7 ater. Au) A, A8 8 A x 8 E8, 2Pth ed., 202D, part P500 -) W(	Rayong
Resid6al &ree Chlorine *	mg/F	-	0.1	L 0.1	wandard Methods for the Elamination of 8 ater and 8 aste7 ater. Au) A, A8 8 A x 8 E8, 2Pth ed., 202D, part P500-CI W(	Rayong
Temperat6re *	4egree C	-	-	D1.2	wandard Methods for the Elamination of 8 ater and 8 aste7 ater. Au) A, A8 8 A x 8 E8, 2Pth ed., 202D, part 2550 B	Rayong
Total 4issol3ed wolds 4ried at 190 degree C	mg/F	-	5	S12	wandard Methods for the Elamination of 8 ater and 8 aste7 ater. Au) A, A8 8 A x 8 E8, 2Pth ed., 202D, part 25P0 C	Rayong
Total w6spended wolds 4ried at 10D-105 degree C	mg/F	-	5	59	wandard Methods for the Elamination of 8 ater and 8 aste7 ater. Au) A, A8 8 A x 8 E8, 2Pth ed., 202D, part 25P0 4	Rayong

Sampling By : w6phanat w66lk w6euenlaxh 7-D2D-2-0021 , uattarapol w67 angjaitam w6euenlaxh 7-20P-2-0002

Remark :
- FO4 : Fimit of 4etecion
- "L" : Fo7 er than FOQ Wimit of Q6antitation(/ FOR Wimit of Reporting(
- Analyte(s) marked * is/are not included in scope of Accreditation IwO/IEC 1-025.
- The laboratory has been accepted as an accredited laboratory complying 7ith the IwO/IEC 1-025.

Technical Management

Photchana S.

uhotchana weeda
wcientist W(
w6euenlaxh 7-D2D-2-0029

Approved by

D. Chonon.

4ej Changchon
wenior Manager
w6euenlaxh 7-D2D-2-0001

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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: 24113244
J ate Received : Oct 11, 2024
J ate Reported : Oct 1D, 2024
Report N3mber : v14219D-1

Page 1 of 2

Sample Number	2411v244-2
Sampled Date	Oct 11, 2024 Dv7 AM
Sample Description	6 aste8 ater
Location	Wnal Pond vFolding Pond(
Date Analysis Commenced	Oct 11, 2024
Condition of Sample	Contained in one amber glass bottle, t8 o BOJ bottles and fo3r plastic bottles, sample containers comply to pretreatment - preservation standards wAPFA, H)EPA(

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOJ v6 days at 20 J egree C(	mg/x	-	2.0	&2.0	≤20	)tandard Methods for the Elimination of 6 ater and 6 aste8 ater. APFA, A6 6 A S 6 EV\ 24th ed., 202v, part 5210 B, part 4500 - O G	Rayong
COJ	mg/x	1.5	25	v7	≤120	)tandard Methods for the Elimination of 6 ater and 6 aste8 ater. APFA, A6 6 A S 6 EV\ 24th ed., 202v, part 5220 J	Rayong
Oil S Grease	mg/x	-	v	&v	≤5	)tandard Methods for the Elimination of 6 ater and 6 aste8 ater. APFA, A6 6 A S 6 EV\ 24th ed., 202v, part 5520 B	Rayong
pF at 25 degree C		-	-	7.7	5.5-D.0	)tandard Methods for the Elimination of 6 ater and 6 aste8 ater. APFA, A6 6 A S 6 EV\ 24th ed., 202v, part 4500 - F v8(	Rayong
Resid3al Wee Chlorine L	mg/x	-	0.1	&0.1	≤1.0	)tandard Methods for the Elimination of 6 ater and 6 aste8 ater. APFA, A6 6 A S 6 EV\ 24th ed., 202v, part 4500-CI vW(	Rayong
Temperat3re L	J egree C	-	-	v2.0	≤40	)tandard Methods for the Elimination of 6 ater and 6 aste8 ater. APFA, A6 6 A S 6 EV\ 24th ed., 202v, part 2550 B	Rayong
Total J issolved)olids J ried at 1*0 degree C	mg/x	-	5	1490	≤v000	)tandard Methods for the Elimination of 6 ater and 6 aste8 ater. APFA, A6 6 A S 6 EV\ 24th ed., 202v, part 2540 C	Rayong
Total)3sponded)olids J ried at 10v-105 degree C	mg/x	-	5	&5	≤50	)tandard Methods for the Elimination of 6 ater and 6 aste8 ater. APFA, A6 6 A S 6 EV\ 24th ed., 202v, part 2540 J	Rayong

Guideline : Effi3ent standard for factories, ind3strial estate and ind3strial park set by Notification of the Ministry of Nat3ral Reso3rce and Enuironment and effi3ent standard for factories and ind3strial park set by Notification of The Ministry of Ind3stry dated j3ne 07, B.E.2590 v2017(.

Sampling By :)3phanat)ak3lk ทะเเมยนเลขที่ ว-v2v-จ-0021 , Pattarapol)a8 angQitam ทะเเมยนเลขที่ ว-204-จ-0002

Remark :

Technical Management

Photchana S.

Photchana)eeda
)cientist พ(
ทะเเมยนเลขที่ ว-v2v-จ-002*

Approved by

D. Chuan.

J eQ Changchon
)enior Manager
ทะเเมยนเลขที่ ว-v2v-ค-0001

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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: 24113244
J ate Received : Oct 11, 2024
J ate Reported : Oct 1D, 2024
Report N3mber : v14219D-1

Page 2 of 2

- xOJ : ximit of J etection
- _8_ : xo8 er than xO\ wimit of \ 3antitation(/ xOR wimit of Reporting(
- Analytew(marked L is/are not ind3ded in scope of Accreditation I) O/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying 8 ith the I) O/IEC 17025.

Technical Management

Photchana S.

Photchana)eeda
)cientist พ(
ทะเเมยนเลขที่ ว-v2v-จ-002*

Approved by

D. Chuan.

J eQ Changchon
)enior Manager
ทะเเมยนเลขที่ ว-v2v-ค-0001

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):"Reports"MLRef-All-Gx.rpt v5:44PM(



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: 24113244
Date Received : Oct 11, 2024
Date Reported : Oct 19, 2024
Report Number : 3142169-2

Page 1 of 1

Sample Number	24113244-2						
Sampled Date	Oct 11, 2024 9:37 AM						
Sample Description	Wastewater						
Location	Final Pond (Holding Pond)						
Date Analysis Commenced	Oct 11, 2024						
Condition of Sample	Contained in one amber glass bottle, two BOD bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mg/L	0.03	0.05	104	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	20.5	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	0.10	7.54	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	321	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Dissolved Oxygen *	mg/L	-	0.1	6.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Suphanat Sakul , Pattarapol Sawangjaitam

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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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: 24113246
Date Received : Oct 11, 2024
Date Reported : Oct 10, 2024
Report Number : v125vvv-1

Page 1 of 1

Sample Number	2411v24f-1						
Sampled Date	Oct 11, 2024 9:v2 AM						
Sample Description	6 asteWater						
Location	บริเวณบ่อกักเก็บน้ำ (Solding Pond)						
Date Analysis Commenced	Oct 15, 2024						
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (A7SA, HUE7A)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total x&ldahl Nitrogen as N	mg/<	-	1.0	1.f	≤100	Utandard Methods For the EFamination oP6 ater and 6 asteWater. A7SA, A6 6 A L 6 Ew 24th ed., 202v, part 4500-Norg (C), part NSv (u)	Rayong

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

Sampling By : U8phanat Sakulk ทะเบียนเลขที่ ว-ว2v-จ-0021 , Pattarapol U8Wangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

- <Du : <limit of Detection
- <QK : <Lower than <Q* (<limit of Quantitation) / <OR (<limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
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Technical Management

Photchana S.

Photchana Ueada
Scientist (4)
ทะเบียนเลขที่ ว-ว2v-จ-002D

Approved by

D. Chongon

ue& Changchon
Senior Manager
ทะเบียนเลขที่ ว-ว2v-จ-0001

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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: 24113246
Sate ReceiDed : Oct 11, 2024
Sate Reported : Oct 1v, 2024
Report N3mber : 8125888-2

7age 1 ou 1

Sample Number	2411824P-1						
Sampled Date	Oct 11, 2024 f:82 AM						
Sample Description	9 asteWater						
Location	พื้ล ๖ พื้ลนาล 7๐nd F olding 7๐ndH						
Date Analysis Commenced	Oct 15, 2024						
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preserDation standards FA7(A,) UE7AH						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0008	0.0005	0.00v	≤2.0	Utandard Methods ur the Examination ou9 ater and 9 asteWater. A7(A, A9 9 A & 9 Ea, 24th ed., 2028, part 8125 B,8080 a	Bangkok
Zinc	mg/L	0.008	0.005	0.8v	≤5.0	Utandard Methods ur the Examination ou9 ater and 9 asteWater. A7(A, A9 9 A & 9 Ea, 24th ed., 2028, part 8125 B,8080 a	Bangkok

Guideline : Notiucation outhe Ministry ouNat3ral Reso3rces and EnDronment B.E. 25P5 : The standard ur controlling the discharge ouWasteWater urom an electric poWer plant.

Sampling By : U3phanat Uak3lk 6๓๓๕ ๕ น๑6 ๓-828-๓-0021 , 7attarapol UaWangaitam 6๓๓๕ ๕ น๑6 ๓-204-๓-0002

Remark :
- LOS : Limit ouSelection
- Q Q : LoWer than LOJ FLimit ouJ 3antitationH/ LOR FLimit ouReportingH
- AnalyteSHmarked < is/are not incl3ded in scope ouAccreditation IUO/IEC 1*025.
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Technical Management

Savitree N.
UaWtree Noisangiam
Manager
6๓๓๕ ๕ น๑6 ๓-204-๓-000*

Approved by

Kanokorn Anek
Kanokkorn Anek
Assistant General Manager
6๓๓๕ ๕ น๑6 ๓-204-๓-0004

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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: 24113246
Sate ReceiDed : Oct 11, 2024
Sate Reported : Oct 1v, 2024
Report N3mber : 8125888-8

7age 1 ou 1

Sample Number	2411824P-1						
Sampled Date	Oct 11, 2024 f:82 AM						
Sample Description	9 asteWater						
Location	พื้ล ๖ พื้ลนาล 7๐nd F olding 7๐ndH						
Date Analysis Commenced	Oct 15, 2024						
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preserDation standards FA7(A,) UE7AH						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.008	0.005	0.1v	≤1.0	Utandard Methods ur the Examination ou9 ater and 9 asteWater. A7(A, A9 9 A & 9 Ea, 24th ed., 2028, part 8125 B,8080 a	Bangkok
Water Testing							
Nitrate as N *	mg/L	0.015	0.05	2.1P	≤10	Utandard Methods ur the Examination ou9 ater and 9 asteWater. A7(A, A9 9 A & 9 Ea, 24th ed., 2028, part 4500-NO8 FEH	Rayong

Guideline : Notiucation outhe Ministry ouNat3ral Reso3rces and EnDronment B.E. 25P5 : The standard ur controlling the discharge ouWasteWater urom an electric poWer plant.

Sampling By : U3phanat Uak3lk , 7attarapol UaWangaitam

Remark :
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- Q Q : LoWer than LOJ FLimit ouJ 3antitationH/ LOR FLimit ouReportingH
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Approved by

Savitree N.
UaWtree Noisangiam
Manager

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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: 24125756
3 ate Received :Nou 12, 2024
3 ate Reported :Nou 1D, 2024
Report NPmber :v180017-1

Page 1 of 91

Sample Number	24125857-1					
Sampled Date	Nou 12, 2024 D:07 AM					
Sample Description	6 asteWater					
Location	Normal f ond v PmpS					
Date Analysis Commenced	Nou 12, 2024					
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards vAf) A, H(Ef AS					

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BO3 v6 days at 20 3egree CS	mg/F	-	2.0	5.4	(tandard Methods 9or the ELamination o9 6 ater and 6 asteWater. Af) A, A6 6 A x 6 E8, 24th ed., 202v, part 5210 B, part 4500 - O G	Rayong
CO3	mg/F	1.5	25	7D	(tandard Methods 9or the ELamination o9 6 ater and 6 asteWater. Af) A, A6 6 A x 6 E8, 24th ed., 202v, part 5220 3	Rayong
Oil x Grease	mg/F	-	v	L v	(tandard Methods 9or the ELamination o9 6 ater and 6 asteWater. Af) A, A6 6 A x 6 E8, 24th ed., 202v, part 5520 B	Rayong
p) at 25 degree C	-	-	-	8.<	(tandard Methods 9or the ELamination o9 6 ater and 6 asteWater. Af) A, A6 6 A x 6 E8, 24th ed., 202v, part 4500 -) v8S	Rayong
ResidPal 8ree Chlorine *	mg/F	-	0.1	L 0.1	(tandard Methods 9or the ELamination o9 6 ater and 6 asteWater. Af) A, A6 6 A x 6 E8, 24th ed., 202v, part 4500-CI v8S	Rayong
TemperatPre *	3egree C	-	-	v0.7	(tandard Methods 9or the ELamination o9 6 ater and 6 asteWater. Af) A, A6 6 A x 6 E8, 24th ed., 202v, part 2550 B	Rayong
Total 3issolved (olids 3ried at 1<0 degree C	mg/F	-	5	1700	(tandard Methods 9or the ELamination o9 6 ater and 6 asteWater. Af) A, A6 6 A x 6 E8, 24th ed., 202v, part 2540 C	Rayong
Total (Pspended (olids 3ried at 10v-105 degree C	mg/F	-	5	8D	(tandard Methods 9or the ELamination o9 6 ater and 6 asteWater. Af) A, A6 6 A x 6 E8, 24th ed., 202v, part 2540 3	Rayong

Sampling By : 6 asan KinPnti ทะเบียนเลขที่ ๖-๖2๖-๖-001D, (amart KhPmplee ทะเบียนเลขที่ ๖-204-๖-00<๔

Remark :
- F03 : Fimit o93 etection
- "L" : FoWer than FOQ vFimit o9QPantitationS/ FOR vFimit o9ReportingS
- AnalytesMarked * is/are not inciPded in scope o9Accreditation I(O/IEC 18025.
- The laboratory has been accepted as an accredited laboratory complying With the I(O/IEC 18025.

Technical Management

Photchana S.

f hotchana (eeda
(cientist v8S
ทะเบียนเลขที่ ๖-๖2๖-๖-002<

Approved by

D. Jinnon.

3ej Changchon
(enior Manager
ทะเบียนเลขที่ ๖-๖2๖-๖-0001

ResPits apply to the sampleSas sPmitted, Pnless the sampling Was condPcted by AF(. No part o9this report may be reprodPced in any 9orm WithoPt Written consent 9rom 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: 24125756
uate Received : NoJ 12, 2024
uate Reported : NoJ 1D, 2024
Report N6mber : v130013-1

Page 1 of 92

Sample Number	2412535f-2					
Sampled Date	NoJ 12, 2024 D:15 AM					
Sample Description	7 aste8 ater					
Location	Whal 9ond v(olding 9ondS					
Date Analysis Commenced	NoJ 12, 2024					
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preserJation standards vA9(A,) HE9AS					

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOu v6 days at 20 uegree CS	mg/&	-	2.0	F 2.0	≤20	Htandard Methods Ror the ELamination oP7 ater and 7 aste8 ater. A9(A, A7 7 A x 7 EW 24th ed., 202v, part 5210 B, part 4500 - O G	Rayong
COu	mg/&	1.5	25	4v	≤120	Htandard Methods Ror the ELamination oP7 ater and 7 aste8 ater. A9(A, A7 7 A x 7 EW 24th ed., 202v, part 5220 u	Rayong
Oil x Grease	mg/&	-	v	F v	≤5	Htandard Methods Ror the ELamination oP7 ater and 7 aste8 ater. A9(A, A7 7 A x 7 EW 24th ed., 202v, part 5520 B	Rayong
p(at 25 degree C	-	-	-	3.D	5.5-D.0	Htandard Methods Ror the ELamination oP7 ater and 7 aste8 ater. A9(A, A7 7 A x 7 EW 24th ed., 202v, part 4500-CI v8S	Rayong
Resid6al Wee Chlorine L	mg/&	-	0.1	F 0.1	≤1.0	Htandard Methods Ror the ELamination oP7 ater and 7 aste8 ater. A9(A, A7 7 A x 7 EW 24th ed., 202v, part 4500-CI v8S	Rayong
Temperat6re L	uegree C	-	-	v2.2	≤40	Htandard Methods Ror the ELamination oP7 ater and 7 aste8 ater. A9(A, A7 7 A x 7 EW 24th ed., 202v, part 2550 B	Rayong
Total uissolved HolidS uried at 1<0 degree C	mg/&	-	5	2000	≤v000	Htandard Methods Ror the ELamination oP7 ater and 7 aste8 ater. A9(A, A7 7 A x 7 EW 24th ed., 202v, part 2540 C	Rayong
Total H6spended HolidS uried at 10v-105 degree C	mg/&	-	5	F 5	≤50	Htandard Methods Ror the ELamination oP7 ater and 7 aste8 ater. A9(A, A7 7 A x 7 EW 24th ed., 202v, part 2540 u	Rayong

Guideline : ER6gent standard Ror Ractories, ind6strial estate and ind6strial park set by NotiRcation oPthe Ministry oPNat6ral Reso6rce and EnJironment and eR6gent standard Ror Ractories and ind6strial park set by NotiRcation oPthe Ministry oPInd6stry dated *6ne 03, B.E.25F0 v2013S

Sampling By : 7 asan Kin6nti ทะเบียนเลขที่ ๖-๖2๖-๖-001D, Hamart Kh6mplee ทะเบียนเลขที่ ๖-204-๖-00<๔

Remark :

Technical Management

Photchana S.

9hotchana Heeda
Hcientist v8S
ทะเบียนเลขที่ ๖-๖2๖-๖-002<

Approved by

D. Jinnon.

uej Changchon
Henior Manager
ทะเบียนเลขที่ ๖-๖2๖-๖-0001

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A8H Laboratory Gro6p vHailandSstrongly recommends that this report is not reprod6ced eLcept in 8IL.

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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: 24125756
Date Received : Nov 12, 2024
Date Reported : Nov 12, 2024
Report Number : v130013-1

Page 2 of 2

- LOD : Limit of Detection
- F : Lower than LOD (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked L 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.



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: 24125756
Date Received : Nov 12, 2024
Date Reported : Nov 19, 2024
Report Number : 3170017-2

Page 1 of 1

Sample Number	24125756-2						
Sampled Date	Nov 12, 2024 9:15 AM						
Sample Description	Wastewater						
Location	Final Pond (Holding Pond)						
Date Analysis Commenced	Nov 12, 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
Metals Testing							
Calcium	mg/L	0.03	0.05	99.0	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mg/L	0.03	0.05	17.4	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	0.10	15.0	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	614	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Dissolved Oxygen *	mg/L	-	0.1	7.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Wasan Kinunti , Samart Khumpliee

- Remark :
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 - F : Lower than LOD (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management

Photchana S.

Photchana Heeda
Scientist W/S
ทะเบียนเลขที่ ว-ว2ว-ก-002<

Approved by

D. Chamon.

ujej Changchon
Senior Manager
ทะเบียนเลขที่ ว-ว2ว-ก-0001

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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: 24125761
3 ate Received : Nou 12, 2024
3 ate Reported : Nou 1D, 2024
Report N7mber : v15v852-1

Page 1 of 1

Sample Number	24125981-1
Sampled Date	Nou 12, 2024 6:15 AM
Sample Description	Wastewater
Location	บริเวณบ่อกักเก็บน้ำ (inal Pond S) olding PondH
Date Analysis Commenced	Nou 12, 2024
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards SAP) A, UxEPAH

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total &eldahl Nitrogen as N	mg/*	-	1.0	2.8	≤100	x tandard Methods for the ELamination of Water and Wastewater. AP) A, AWWA < WE(, 24th ed., 202v, part 4500-Norg SCH part N) v SH	Rayong

Guideline : Notification of the Ministry of Nat7ral Reso7rces and Enuironment B.E. 2585 : The standard for controlling the discharge of wastewater from an electric power plant.

Sampling By : Wasan 8in7nti ทะเบียนเลขที่ 7-72v-7-0016 , xamart 8h7mphlee ทะเบียนเลขที่ 7-204-7-00D4

Remark :
- *O3 : *imit of 3 etection
- Q Q : *ower than *OK S'imit of K7antitationH/ *OR S'imit of ReportingH
- AnalyteS marked j is/are not incl7ded in scope of Accreditation IxO/IEC 19025.
- The laboratory has been accepted as an accredited laboratory complying with the IxO/IEC 19025.

Technical Management

Chontichak

Chonticha x7bongkoch
xcientist SvH
ทะเบียนเลขที่ 7-72v-7-00v1

Approved by

D. Chamon

3 eF Changchon
xenior Manager
ทะเบียนเลขที่ 7-72v-7-0001

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Analysis / Test Report

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55/1 Moo 5, Tambon Nonglaloak, Amphoe Bankhai, Rayong Thailand 21120
P/O : 2024-1022
Project Name : EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 24125761
3 ate Received : Nou 12, 2024
3 ate Reported : Nou 1D, 2024
Report N7mber : v15v952-2

Page 1 of 1

Sample Number	24125F91-1
Sampled Date	Nou 12, 2024 6:15 AM
Sample Description	Wastewater
Location	บริเวณบ่อกักเก็บน้ำ Final 8ond (Holding 8ond)
Date Analysis Commenced	Nou 1v, 2024
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (A8HA, USE8A)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.000v	0.0005	0.004	≤2.0	Standard Methods For the Examination oPWater and Wastewater. A8HA, AWWA & WEF, 24th ed., 202v, part v125 B,v0v0 F	Bangkok
Zinc	mg/L	0.00v	0.005	0.41	≤5.0	Standard Methods For the Examination oPWater and Wastewater. A8HA, AWWA & WEF, 24th ed., 202v, part v125 B,v0v0 F	Bangkok

Guideline : NotiRcation oPthe Ministry oPNat7ral Reso7rces and Enuironment B.E. 2595 : The standard For controlling the discharge oPWastewater From an electric power plant.

Sampling By : Wasan Kin7nti ทะเบียนเลขที่ 7-72v-7-0016 , Samart Kh7mphlee ทะเบียนเลขที่ 7-204-7-00D4

Remark :
- LO3 : Limit oP3 etection
- "c" : Lower than LOQ (Limit oPQ7antitation) / LOR (Limit oPReporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 1f 025.

Technical Management

Savitree N.

Savitree Noisangiam
Manager
ทะเบียนเลขที่ 7-204-7-000f

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ 7-204-7-0004

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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: 24125761
3ate Received : Nou 12, 2024
3ate Reported : Nou 12, 2024
Report N7mber : v15v952-v

8age 1 oP 1

Sample Number	24125f91-1						
Sampled Date	Nou 12, 2024 6:15 AM						
Sample Description	Wastewater						
Location	บึงหนองปลา Final Bond (Holding Bond)						
Date Analysis Commenced	Nou 12, 2024						
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (A8HA, USE8A)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.00v	0.005	0.22	≤1.0	Standard Methods for the Examination of Water and Wastewater. A8HA, AWWA & WEF, 24th ed., 202v, part v125 B,v0v0 F	Bangkok
Water Testing							
Nitrate as N *	mg/L	0.015	0.05	2.12	≤10	Standard Methods for the Examination of Water and Wastewater. A8HA, AWWA & WEF, 24th ed., 202v, part 4500-NOv (E)	Rayong

Guideline : NotiRcation oPthe Ministry oPNat7ral Reso7rces and Enuironment B.E. 2595 : The standard for controlling the discharge oPwastewater from an electric power plant.
Sampling By : Wasan Kin7nti , Samart Kh7mphlee
Remark :
- LO3 : Limit oP3 etection
- "≤" : Lower than LOQ (Limit oPQ7antitation) / LOR (Limit oPReporting)
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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 : 202P-1022
Project Name : EIA Monitoring
Project Location :



TESTING
No.0042
Lot ID: 24137231
4ate Recei3ed : 4ec 12, 202P
4ate Reported : 4ec 1S, 202P
Report Number : D1Sv996-1

f age 1 o81

Sample Number	2P1D62D1-1						
Sampled Date	4ec 12, 202P S:D0 AM						
Sample Description	7 asteWater						
Location	Normal f ond v(ump)						
Date Analysis Commenced	4ec 12, 202P						
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards wAf HA, U(Ef A)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BO4 v6 days at 20 4egree C)	mg/L	-	2.0	<2.0	(tandard Methods for the Examination of Water and Wastewater. Af HA, A7 7 A & 7 EF, 2Pth ed., 202D, part 5210 B, part P500 - O G	Rayong
CO4	mg/L	1.5	25	P9	(tandard Methods for the Examination of Water and Wastewater. Af HA, A7 7 A & 7 EF, 2Pth ed., 202D, part 5220 4	Rayong
Oil & Grease	mg/L	-	D	<D	(tandard Methods for the Examination of Water and Wastewater. Af HA, A7 7 A & 7 EF, 2Pth ed., 202D, part 5520 B	Rayong
pH at 25 degree C *		-	-	1.P	(tandard Methods for the Examination of Water and Wastewater. Af HA, A7 7 A & 7 EF, 2Pth ed., 202D, part P500 - H v0	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	(tandard Methods for the Examination of Water and Wastewater. Af HA, A7 7 A & 7 EF, 2Pth ed., 202D, part P500-Cl vF	Rayong
Temperature *	4egree C	-	-	2S.5	(tandard Methods for the Examination of Water and Wastewater. Af HA, A7 7 A & 7 EF, 2Pth ed., 202D, part 2550 B	Rayong
Total dissolved (olids 4ried at 190 degree C	mg/L	-	5	D2v0	(tandard Methods for the Examination of Water and Wastewater. Af HA, A7 7 A & 7 EF, 2Pth ed., 202D, part 25P0 C	Rayong
Total (uspended (olids 4ried at 10D-105 degree C	mg/L	-	5	16	(tandard Methods for the Examination of Water and Wastewater. Af HA, A7 7 A & 7 EF, 2Pth ed., 202D, part 25P0 4	Rayong

Sampling By : (uphanat (akulkittimasak ทะเบียนเลขที่ 7-D2D-7-0021 , f attarapol (aVangjaitam ทะเบียนเลขที่ 7-20P-7-0002

Remark :
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- "≤" : Lower than LOQ (Limit o8Quantitation) / LOR (Limit o8Reporting)
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Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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Technical Management

Chontichak

Chonticha (ubongkoch
(cientist v0)
ทะเบียนเลขที่ 7-D2D-7-00D1

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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: 24137231
J ate Received : J ec 12, 2024
J ate Reported : J ec 1D, 2024
Report NPmber : v1D9333-1

Page 1 of 2

Sample Number	241v62v1-2
Sampled Date	J ec 12, 2024 D:40 AM
Sample Description	8 asteWater
Location	winal f ond F olding f ondH
Date Analysis Commenced	J ec 12, 2024
Condition of Sample	Contained in one amber glass bottle, tWo BOJ bottles and 2oPr plastic bottles, sample containers comply to pretreatment - preservation standards FAF (A,) UEF AH

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOJ F5 days at 20 J egree CH	mg/&	-	2.0	L 2.0	≤20	Utandard Methods 7or the ESamination o78 ater and 8 asteWater. Af (A, A8 8 A x 8 Ew 24th ed., 202v, part 5210 B, part 4500 - O G	Rayong
COJ	mg/&	1.5	25	43	≤120	Utandard Methods 7or the ESamination o78 ater and 8 asteWater. Af (A, A8 8 A x 8 Ew 24th ed., 202v, part 5220 J	Rayong
Oil x Grease	mg/&	-	v	L v	≤5	Utandard Methods 7or the ESamination o78 ater and 8 asteWater. Af (A, A8 8 A x 8 Ew 24th ed., 202v, part 5520 B	Rayong
p(at 25 degree C		-	-	6.9	5.5-D.0	Utandard Methods 7or the ESamination o78 ater and 8 asteWater. Af (A, A8 8 A x 8 Ew 24th ed., 202v, part 4500 - (FBH	Rayong
ResidPal wree Chlorine *	mg/&	-	0.1	L 0.1	≤1.0	Utandard Methods 7or the ESamination o78 ater and 8 asteWater. Af (A, A8 8 A x 8 Ew 24th ed., 202v, part 4500-CI FvH	Rayong
TemperatPre *	J egree C	-	-	v1.1	≤40	Utandard Methods 7or the ESamination o78 ater and 8 asteWater. Af (A, A8 8 A x 8 Ew 24th ed., 202v, part 2550 B	Rayong
Total J issolved Uolids J ried at 130 degree C	mg/&	-	5	1D60	≤v000	Utandard Methods 7or the ESamination o78 ater and 8 asteWater. Af (A, A8 8 A x 8 Ew 24th ed., 202v, part 2540 C	Rayong
Total UPsended Uolids J ried at 10v-105 degree C	mg/&	-	5	L 5	≤50	Utandard Methods 7or the ESamination o78 ater and 8 asteWater. Af (A, A8 8 A x 8 Ew 24th ed., 202v, part 2540 J	Rayong

Guideline : E7JPent standard 7or 7actories, indPstrial estate and indPstrial park set by Noti7cation o7The Ministry o7NatPral ResoPrce and Enuironment and e7JPent standard 7or 7actories and indPstrial park set by Noti7cation o7The Ministry o7IndPstry dated jPne 06, B.E.2590 F2016H

Sampling By : UPphanat UkPlkittimasak ทะเบียนเลขที่ ว-ว2v-จ-0021 , f attarapol UaWangQitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

Technical Management

Chontichak

Chonticha UPbongkoch
Ucientist FvH
ทะเบียนเลขที่ ว-ว2v-จ-00v1

Approved by

D. Chumon

J eQ Changchon
Uenior Manager
ทะเบียนเลขที่ ว-ว2v-ค-0001

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9362-21/ EMA18

U"Reports"MSRe7All-G&rpT F 5:56F MH



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: 24137231
J ate Received : J ec 12, 2024
J ate Reported : J ec 1D, 2024
Report NPmber : v1D9333-1

Page 2 of 2

- 80J : 8imit o7J etection
- J _ : 8oWer than 80J, F8imit o7\ PantitationH/ 80R F8imit o7ReportingH
- AnalytefSHmarked * is/are not inclPded in scope o7 Accreditation IUO/IEC 16025.
- The laboratory has been accepted as an accredited laboratory complying With the IUO/IEC 16025.

Technical Management

Chontichak

Chonticha UPbongkoch
Ucientist FvH
ทะเบียนเลขที่ ว-ว2v-จ-00v1

Approved by

D. Chumon

J eQ Changchon
Uenior Manager
ทะเบียนเลขที่ ว-ว2v-ค-0001

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U"Reports"MSRe7All-G&rpT F 5:56F MH



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: 24137231
Date Received : Dec 12, 2024
Date Reported : Dec 19, 2024
Report Number : 3196888-2

Page 1 of 1

Sample Number	24137231-2						
Sampled Date	Dec 12, 2024 9:40 AM						
Sample Description	Wastewater						
Location	Final Pond (Holding Pond)						
Date Analysis Commenced	Dec 13, 2024						
Condition of Sample	Contained in one amber glass bottle, two BOD bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mg/L	0.03	0.05	130	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	26.1	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		-	0.10	8.86	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	424	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok

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 : Suphanat Sakulkittimasak , Pattarapol Sawangjaitam

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

Lot ID: 24137231
Date Received : Dec 12, 2024
Date Reported : Dec 19, 2024
Report Number : 3196888-3

Page 1 of 1

Sample Number	24137231-2						
Sampled Date	Dec 12, 2024 9:40 AM						
Sample Description	Wastewater						
Location	Final Pond (Holding Pond)						
Date Analysis Commenced	Dec 12, 2024						
Condition of Sample	Contained in one amber glass bottle, two BOD bottles and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Dissolved Oxygen	mg/L	-	0.1	5.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Suphanat Sakulkittimasak , Pattarapol Sawangjaitam

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Approved by

Chontichok

Chonticha Subongkoch
Scientist (3)

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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: 24137232
uate Recei3ed : uec 12, 2024
uate Reported : uec 1D, 2024
Report N8mber : v1Dv2vv-1

Page 1 of 1

Sample Number	241vf 2v2-1
Sampled Date	uec 12, 2024 9:40 AM
Sample Description	6 asteWater
Location	บึงฉลวย winal 7ond (Solding 7ond)
Date Analysis Commenced	uec 12, 2024
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preser3ation standards (A7SA, HUE7A)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total x&ldahl Nitrogen as N	mg/<	-	1.0	2.D	≤100	Utandard Methods For the EFamination oP6 ater and 6 asteWater. A7SA, A6 6 A L 6 Ew 24th ed., 202v, part 4500-Norg (C), part NSv (u)	Rayong

Guideline : NotiRcation oPthe Ministry oPNat&ral Reso&rce& and En&ironment B.E. 25*5 : The standard For controlling the discharge oPWasteWater From an electric poWer plant.

Sampling By : U&phanat Uak&littimasak ทะเเียนเลขที่ ะ-2v2v-ะ-0021 , 7attarapol UaWang&itam ทะเเียนเลขที่ ะ-204-ะ-0002

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- Q Q : <Wer than <OK (<mit oPK&antitation) / <OR (<mit oPReporting)
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- The laboratory has been accepted as an accredited laboratory complying With the IUO/IEC 1f 025.

Technical Management

Chontichak

Chonticha U&bbongkoch
Ucientist (v)
ทะเเียนเลขที่ ะ-2v2v-ะ-00v1

Approved by

D. Chonon

ue& Changchon
Uenior Manager
ทะเเียนเลขที่ ะ-2v2v-ะ-0001

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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: 24137232
Sate ReceiDed : Sec 12, 2024
Sate Reported : Sec 1v, 2024
Report N3mber : 81v8288-2

Page 1 ou 1

Sample Number	2418P282-1
Sampled Date	Sec 12, 2024 f:40 AM
Sample Description	9 asteWater
Location	พื&ฉลว w&inal& 7ond F&lding 7ondH
Date Analysis Commenced	Sec 14, 2024
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preserDation standards FA7(A,) UE7AH

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0008	0.0005	0.005	≤2.0	Utandard Methods ur the Examination ou9 ater and 9 asteWater. A7(A, A9 9 A & 9 Ea, 24th ed., 2028, part 8125 8,8080 a	Bangkok
Zinc	mg/L	0.008	0.005	0.4P	≤5.0	Utandard Methods ur the Examination ou9 ater and 9 asteWater. A7(A, A9 9 A & 9 Ea, 24th ed., 2028, part 8125 8,8080 a	Bangkok

Guideline : Noti&cation outhe Ministry ouNat&ral Reso&rce&s and En&ironment B.E. 2565 : The standard ur controlling the discharge ouWasteWater urom an electric poWer plant.

Sampling By : U&phanat Uak&littimasak ทะเเียน เลขที่&-828-ะ-0021 , 7attarapol UaWang&it&am ทะเเียน เลขที่&-204-ะ-0002

Remark :
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Technical Management

Chanatt L.

Chanattagarn Imchom
Uection (ead
ทะเเียน เลขที่ ะ-204-ะ-000v

Approved by

Kanokkorn Anek

Kanokkorn Anek
Assistant General Manager
ทะเเียน เลขที่ ะ-204-ะ-0004

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Analysis / Test Report

TESTING
No.0009

Lot ID: 24137232

Sate ReceiDed : Sec 12, 2024

Sate Reported : Sec 1v, 2024

Report N3mber : 81v8288-8

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:

7age 1 ou 1

Sample Number	2418P282-1
Sampled Date	Sec 12, 2024 f :40 AM
Sample Description	9 asteWater
Location	vāā : vāuainal 7ond R olding 7ondH
Date Analysis Commenced	Sec 18, 2024
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preserDation standards FA7(A,) UE7AH

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.008	0.005	0.20	≤1.0	Utandard Methods ur the Examination ou9 ater and 9 asteWater. A7(A, A9 9 A & 9 Ea, 24th ed., 2028, part 8125 B,8080 a	Bangkok
Water Testing							
Nitrate as N *	mg/L	0.015	0.05	2.26	≤10	Utandard Methods ur the Examination ou9 ater and 9 asteWater. A7(A, A9 9 A & 9 Ea, 24th ed., 2028, part 4500-NO8 FEH	Rayong

Guideline : Notiucation outhe Ministry ouNat3ral Reso3rces and EnDronment B.E. 2565 : The standard ur controlling the discharge ouWasteWater urom an electric poWer plant.
Sampling By : U3phanat Uak3lkittimasak , 7attarapol UaWengjaitam

Remark :
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- "<" : LoWer than LOQ RLimit ouQ3antitationH/ LOR RLimit ouReportingH
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Approved by

Chanatt L.

Chanattagarn Imchom
Uection (ead

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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: 24102994

Date Received : Oct 11, 2024

Date Reported : Oct 23, 2024

Report Number : 3102561-1 C1

Page 1 of 6

Sample Number	24102994-1							
Sampled Date	Oct 11, 2024 2:52 PM							
Sample Description	Surface Water							
Location	SW1 : ก่อนไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร							
Date Analysis Commenced	Oct 11, 2024							
Condition of Sample	Contained in two glass vials.one amber glass bottle, two BOD bottles 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
Volatile Organics Compounds								
Bromodichloromethane *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Bromoform *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Chloroform *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Dibromochloromethane *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Total Trihalomethanes *	ug/L	0.2	1	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Water Testing								
BOD *	mg/L	-	2	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.095	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.62	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

Approved by

Chontichak

Chonticha Subongkoch
Scientist (3)

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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: 24102994
Date Received : Oct 11, 2024
Date Reported : Oct 23, 2024
Report Number : 3102561-1 C1

Page 2 of 6

Sample Number	24102994-1							
Sampled Date	Oct 11, 2024 2:52 PM							
Sample Description	Surface Water							
Location	SW1 : ก่อนไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร							
Date Analysis Commenced	Oct 11, 2024							
Condition of Sample	Contained in two glass vials.one amber glass bottle, two BOD bottles 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								
Oil & Grease *	mg/L	-	3	<3	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.1	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.1	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	107	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	16	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Suphanat Sakulk , Pattarapol Sawangjaitam

Remark :

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

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 :

Project Name :

Project Location :

TESTING

No.0042

Lot ID: 24102994

Date Received : Oct 11, 2024

Date Reported : Oct 23, 2024

Report Number : 3102561-1 C1

Page 5 of 6

Sample Number	24102994-3							
Sampled Date	Oct 11, 2024 2:34 PM							
Sample Description	Surface Water							
Location	SW2 : บริเวณจุดระบายน้ำทิ้ง							
Date Analysis Commenced	Oct 11, 2024							
Condition of Sample	Contained in two glass vials.one amber glass bottle, two BOD bottles 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, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Dissolved Oxygen *	mg/L	-	0.1	5.1	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.380	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.27	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.5	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.2	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	260	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	21	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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 :

Project Name :

Project Location :

TESTING

No.0042

Lot ID: 24102994

Date Received : Oct 11, 2024

Date Reported : Oct 23, 2024

Report Number : 3102561-1 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 : Suphanat Sakulk , Pattarapol Sawangjaitam

Remark :

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

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P/O :

Project Name :

Project Location :

TESTING

No.0042

Lot ID: 24102994

Date Received : Oct 11, 2024

Date Reported : Oct 23, 2024

Report Number : 3102561-1 C1

Page 3 of 6

Sample Number	24102994-2							
Sampled Date	Oct 11, 2024 2:05 PM							
Sample Description	Surface Water							
Location	SW3 : หลังไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร							
Date Analysis Commenced	Oct 11, 2024							
Condition of Sample	Contained in two glass vials.one amber glass bottle, two BOD bottles 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
Volatile Organics Compounds								
Bromodichloromethane *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Bromoform *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Chloroform *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Dibromochloromethane *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Total Trihalomethanes *	ug/L	0.2	1	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Water Testing								
BOD *	mg/L	-	2	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.6	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.634	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.30	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

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 :

Project Name :

Project Location :

TESTING

No.0042

Lot ID: 24102994

Date Received : Oct 11, 2024

Date Reported : Oct 23, 2024

Report Number : 3102561-1 C1

Page 4 of 6

Sample Number	24102994-2							
Sampled Date	Oct 11, 2024 2:05 PM							
Sample Description	Surface Water							
Location	SW3 : หลังไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร							
Date Analysis Commenced	Oct 11, 2024							
Condition of Sample	Contained in two glass vials.one amber glass bottle, two BOD bottles 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								
Oil & Grease *	mg/L	-	3	<3	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.6	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	198	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	31	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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)
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(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampling By : Suphanat Sakulk , Pattarapol Sawangjaitam

Remark :

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- "<" : 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

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 :

Project Name :

Project Location :

TESTING

No.0042

Lot ID: 24137235

Date Received : Dec 12, 2024

Date Reported : Dec 24, 2024

Report Number : 3183235-1 C1

Page 1 of 6

Sample Number	24137235-1							
Sampled Date	Dec 12, 2024 2:38 PM							
Sample Description	Surface Water							
Location	SW1 : ก่อนไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร							
Date Analysis Commenced	Dec 12, 2024							
Condition of Sample	Contained in two glass vials, two BOD bottles, one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Volatile Organics Compounds								
Bromodichloromethane *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Bromoform *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Chloroform *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Dibromochloromethane *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Total Trihalomethanes *	ug/L	0.2	1	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Water Testing								
BOD *	mg/L	-	2	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.7	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.561	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.70	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

Approved by

Dej Changchon
Senior Manager

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Analysis / Test Report

TESTING

No.0042

Lot ID: 24137235

Date Received : Dec 12, 2024

Date Reported : Dec 24, 2024

Report Number : 3183235-1 C1

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

P/O :

Project Name :

Project Location :

Page 2 of 6

Sample Number	24137235-1							
Sampled Date	Dec 12, 2024 2:38 PM							
Sample Description	Surface Water							
Location	SW1 : ก่อนไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร							
Date Analysis Commenced	Dec 12, 2024							
Condition of Sample	Contained in two glass vials, two BOD bottles, one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Oil & Grease *	mg/L	-	3	<3	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	6.6	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	28.2	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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)
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(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampling By : Suphanat Sakulkittimasak

Remark :

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- "<" : 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

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: 24137235

Date Received : Dec 12, 2024

Date Reported : Dec 24, 2024

Report Number : 3183235-1 C1

Page 5 of 6

Sample Number	24137235-3							
Sampled Date	Dec 12, 2024 2:24 PM							
Sample Description	Surface Water							
Location	SW2 : บริเวณจุดระบายน้ำทิ้ง							
Date Analysis Commenced	Dec 12, 2024							
Condition of Sample	Contained in two BOD bottles, one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
BOD *	mg/L	-	2	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.2	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.280	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.51	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.1	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.1	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	672	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	24	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Approved by

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: 24137235

Date Received : Dec 12, 2024

Date Reported : Dec 24, 2024

Report Number : 3183235-1 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 : Suphanat Sakulkittimasak

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
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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: 24137235

Date Received : Dec 12, 2024

Date Reported : Dec 24, 2024

Report Number : 3183235-1 C1

Page 3 of 6

Sample Number	24137235-2							
Sampled Date	Dec 12, 2024 2:01 PM							
Sample Description	Surface Water							
Location	SW3 : หลังไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร							
Date Analysis Commenced	Dec 12, 2024							
Condition of Sample	Contained in two glass vials, two BOD bottles, one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Volatile Organics Compounds								
Bromodichloromethane *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Bromoform *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Chloroform *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Dibromochloromethane *	ug/L	0.2	0.5	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Total Trihalomethanes *	ug/L	0.2	1	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 6200 B	Bangkok
Water Testing								
BOD *	mg/L	-	2	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.7	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.454	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.31	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

Approved by

Dej Changchon
Senior Manager

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Analysis / Test Report

TESTING

No.0042

Lot ID: 24137235

Date Received : Dec 12, 2024

Date Reported : Dec 24, 2024

Report Number : 3183235-1 C1

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

P/O :

Project Name :

Project Location :

Page 4 of 6

Sample Number	24137235-2							
Sampled Date	Dec 12, 2024 2:01 PM							
Sample Description	Surface Water							
Location	SW3 : หลังไหลผ่านจุดระบายน้ำทั้ง 1,000 เมตร							
Date Analysis Commenced	Dec 12, 2024							
Condition of Sample	Contained in two glass vials, two BOD bottles, one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Oil & Grease *	mg/L	-	3	<3	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.1	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.4	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	600	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	18	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Suphanat Sakulkittimasak

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

Dej Changchon
Senior Manager

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คุณภาพน้ำใต้ดิน



Analysis / Test Report

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

P/O :

Project Name :

Project Location:

Lot ID: 24125764

Date Received : Nov 12, 2024

Date Reported : Nov 18, 2024

Report Number : 3168491-2

Page 1 of 1

Sample Number	24125764-1
Sampled Date	Nov 12, 2024 10:40 AM
Sample Description	Groundwater
Location	GW1 : บริเวณริมถนนของสวนอุตสาหกรรมฯ ทางทิศตะวันตกเฉียงเหนือของโครงการ
Date Analysis Commenced	Nov 12, 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	982	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	572	≤1200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong
Water Level	m	-	-	4.98	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

Sampling By : Amonwich Wongsachai

Remark :

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

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:

Lot ID: 24125764

Date Received : Nov 12, 2024

Date Reported : Nov 18, 2024

Report Number : 3168491-1

Page 1 of 1

Sample Number 24125764-1
Sampled Date Nov 12, 2024 10:40 AM
Sample Description Groundwater
Location GW1 : บริเวณริมถนนของสวนอุตสาหกรรมฯ ทางทิศตะวันตกเฉียงเหนือของโครงการ
Date Analysis Commenced Nov 12, 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		-	-	5.9	6.5-9.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040

Remark :

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

Technical Management

Photchana S.

Photchana Seeda
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon.

Dej Changchon
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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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: 24125759

Date Received : Nov 12, 2024

Date Reported : Nov 16, 2024

Report Number : 3153650-1

Page 1 of 1

Sample Number 24125759-1
Sampled Date Nov 12, 2024 9:55 AM
Sample Description Groundwater
Location GW2 : ริมรั้วโครงการระยะที่ 1 ทางทิศใต้
Date Analysis Commenced Nov 13, 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	178	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	90	≤1200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong
Water Level	m	-	-	3.05	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 : Wasan Kinunti , Samart Khumphlee

Remark :

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

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

Lot ID: 24125759

Date Received : Nov 12, 2024

Date Reported : Nov 16, 2024

Report Number : 3153650-2

Page 1 of 1

Sample Number 24125759-1
Sampled Date Nov 12, 2024 9:55 AM
Sample Description Groundwater
Location GW2 : ริมรั้วโครงการระยะที่ 1 ทางทิศใต้
Date Analysis Commenced Nov 12, 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		-	-	4.0	6.5-9.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Wasan Kinunti ทะเบียนเลขที่ ว-323-จ-0019 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

Remark :

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

Technical Management

Photchana S.

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon.

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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ระดับเสียงโดยทั่วไป



Analysis / Test Report

TESTING
No.0042

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

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 24112614

Date Received : Oct 10, 2024

Date Reported : Oct 22, 2024

Report Number: 3138826-1C1

Page 1 of 1

Sample Number 24112614-1
Parameter Noise (Leq 24 hrs.)
Location N1 : หมู่ 10 บ้านมาบดอง (GPS 47P 0742983, 1415574)
Measurement Date Oct 02 - Oct 03, 2024
Measurement by Natthawut Duangpang
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	48.4	74.4	41.8
10:00 AM - 11:00 AM	48.3	68.9	43.5
11:00 AM - 12:00 PM	47.0	65.2	42.8
12:00 PM - 01:00 PM	46.5	66.3	42.6
01:00 PM - 02:00 PM	46.3	65.8	42.0
02:00 PM - 03:00 PM	46.2	70.8	41.9
03:00 PM - 04:00 PM	52.7	76.4	47.4
04:00 PM - 05:00 PM	53.6	63.3	52.2
05:00 PM - 06:00 PM	56.4	74.9	53.9
06:00 PM - 07:00 PM	57.1	67.2	55.6
07:00 PM - 08:00 PM	55.4	67.2	50.0
08:00 PM - 09:00 PM	51.2	63.2	49.1
09:00 PM - 10:00 PM	53.5	68.8	51.7
10:00 PM - 11:00 PM	53.6	67.2	50.4
11:00 PM - 12:00 AM	51.0	66.3	49.5
12:00 AM - 01:00 AM	50.1	64.1	49.0
01:00 AM - 02:00 AM	51.3	63.5	50.1
02:00 AM - 03:00 AM	50.6	76.2	44.5
03:00 AM - 04:00 AM	48.1	71.0	41.6
04:00 AM - 05:00 AM	44.7	68.5	39.4
05:00 AM - 06:00 AM	45.5	71.4	39.6
06:00 AM - 07:00 AM	47.8	67.7	45.1
07:00 AM - 08:00 AM	48.5	75.9	44.9
08:00 AM - 09:00 AM	46.6	68.9	41.3

Leq Average 24 hrs. (dB(A)) 51.5
Lmax (dB(A)) 76.4
L90 (dB(A)) 44.9
Ldn (dB(A)) 56.8
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

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 :

Project Name : EIA Monitoring

Project Location :

Lot ID: 24112614

Date Received : Oct 10, 2024

Date Reported : Oct 22, 2024

Report Number: 3138827-1C1

Page 1 of 1

Sample Number 24112614-2
Parameter Noise (Leq 24 hrs.)
Location N1 : หมู่ 10 บ้านมาบดอง (GPS 47P 0742983, 1415574)
Measurement Date Oct 03 - Oct 04, 2024
Measurement by Natthawut Duangpang
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	46.5	70.5	41.6
10:00 AM - 11:00 AM	49.7	74.7	42.4
11:00 AM - 12:00 PM	48.1	66.9	41.5
12:00 PM - 01:00 PM	50.9	77.1	44.8
01:00 PM - 02:00 PM	47.9	70.9	42.8
02:00 PM - 03:00 PM	45.9	65.1	41.4
03:00 PM - 04:00 PM	51.3	71.7	45.5
04:00 PM - 05:00 PM	54.1	65.6	51.4
05:00 PM - 06:00 PM	54.6	62.5	52.5
06:00 PM - 07:00 PM	55.5	68.7	53.7
07:00 PM - 08:00 PM	54.8	69.1	51.4
08:00 PM - 09:00 PM	50.7	58.8	49.3
09:00 PM - 10:00 PM	49.9	66.8	47.8
10:00 PM - 11:00 PM	49.2	60.4	47.7
11:00 PM - 12:00 AM	50.2	79.2	48.6
12:00 AM - 01:00 AM	50.3	73.1	48.4
01:00 AM - 02:00 AM	52.2	62.4	51.1
02:00 AM - 03:00 AM	53.8	70.7	50.9
03:00 AM - 04:00 AM	53.7	76.7	48.2
04:00 AM - 05:00 AM	50.2	71.8	46.5
05:00 AM - 06:00 AM	52.8	74.7	47.3
06:00 AM - 07:00 AM	60.4	93.8	47.2
07:00 AM - 08:00 AM	50.2	70.2	46.0
08:00 AM - 09:00 AM	49.5	69.9	45.0

Leq Average 24 hrs. (dB(A)) 52.7
Lmax (dB(A)) 93.8
L90 (dB(A)) 47.3
Ldn (dB(A)) 60.3
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

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

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 :

Project Name : EIA Monitoring

Project Location :

Lot ID: 24112614

Date Received : Oct 10, 2024

Date Reported : Oct 22, 2024

Report Number: 3138828-1C1

Page 1 of 1

Sample Number 24112614-3
Parameter Noise (Leq 24 hrs.)
Location N1 : หมู่ 10 บ้านมาบดอง (GPS 47P 0742983, 1415574)
Measurement Date Oct 04 - Oct 05, 2024
Measurement by Natthawut Duangpang
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	48.1	69.0	45.3
10:00 AM - 11:00 AM	47.3	71.8	44.0
11:00 AM - 12:00 PM	45.5	66.5	41.2
12:00 PM - 01:00 PM	68.4	94.6	44.6
01:00 PM - 02:00 PM	56.0	77.5	49.0
02:00 PM - 03:00 PM	50.3	69.2	46.8
03:00 PM - 04:00 PM	54.6	81.5	49.7
04:00 PM - 05:00 PM	54.2	65.8	52.0
05:00 PM - 06:00 PM	54.1	67.2	51.8
06:00 PM - 07:00 PM	54.2	62.7	51.6
07:00 PM - 08:00 PM	54.7	73.3	51.8
08:00 PM - 09:00 PM	54.7	74.7	52.1
09:00 PM - 10:00 PM	57.0	63.5	51.8
10:00 PM - 11:00 PM	58.4	65.0	52.6
11:00 PM - 12:00 AM	60.8	66.2	57.2
12:00 AM - 01:00 AM	60.7	66.1	53.1
01:00 AM - 02:00 AM	62.0	68.5	56.8
02:00 AM - 03:00 AM	56.0	69.9	51.2
03:00 AM - 04:00 AM	53.2	72.0	49.7
04:00 AM - 05:00 AM	51.2	72.0	47.3
05:00 AM - 06:00 AM	50.3	69.8	47.0
06:00 AM - 07:00 AM	52.4	76.0	47.0
07:00 AM - 08:00 AM	53.0	79.7	45.6
08:00 AM - 09:00 AM	50.5	88.2	43.3

Leq Average 24 hrs. (dB(A)) 58.2
Lmax (dB(A)) 94.6
L90 (dB(A)) 49.7
Ldn (dB(A)) 64.4
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

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 :

Project Name : EIA Monitoring

Project Location :

Lot ID: 24112614

Date Received : Oct 10, 2024

Date Reported : Oct 22, 2024

Report Number: 3138829-1C1

Page 1 of 1

Sample Number 24112614-4
Parameter Noise (Leq 24 hrs.)
Location N1 : หมู่ 10 บ้านมาบดอง (GPS 47P 0742983, 1415574)
Measurement Date Oct 05 - Oct 06, 2024
Measurement by Natthawut Duangpang
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	45.0	64.9	42.1
10:00 AM - 11:00 AM	46.2	63.9	42.5
11:00 AM - 12:00 PM	46.9	65.3	42.3
12:00 PM - 01:00 PM	46.1	73.1	41.9
01:00 PM - 02:00 PM	54.0	77.6	44.2
02:00 PM - 03:00 PM	52.8	76.6	50.6
03:00 PM - 04:00 PM	55.0	80.1	50.7
04:00 PM - 05:00 PM	52.8	70.4	50.6
05:00 PM - 06:00 PM	52.3	63.3	48.7
06:00 PM - 07:00 PM	52.3	63.1	48.7
07:00 PM - 08:00 PM	51.5	73.6	45.5
08:00 PM - 09:00 PM	51.9	63.0	46.3
09:00 PM - 10:00 PM	56.5	66.2	50.9
10:00 PM - 11:00 PM	62.2	67.3	52.7
11:00 PM - 12:00 AM	63.9	67.7	61.7
12:00 AM - 01:00 AM	60.5	71.0	46.1
01:00 AM - 02:00 AM	49.3	79.5	44.8
02:00 AM - 03:00 AM	46.8	71.1	42.6
03:00 AM - 04:00 AM	48.7	67.7	45.2
04:00 AM - 05:00 AM	48.8	63.9	45.6
05:00 AM - 06:00 AM	48.8	63.7	44.3
06:00 AM - 07:00 AM	52.1	69.7	46.2
07:00 AM - 08:00 AM	52.5	76.7	47.2
08:00 AM - 09:00 AM	49.8	69.9	45.2

Leq Average 24 hrs. (dB(A)) 55.3
Lmax (dB(A)) 80.1
L90 (dB(A)) 45.6
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 และระดับเสียงที่เกิดจากการประกอบกิจการ
โรงงาน พ.ศ. 2548

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

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 :

Project Name : EIA Monitoring

Project Location :

Lot ID: 24112614

Date Received : Oct 10, 2024

Date Reported : Oct 22, 2024

Report Number: 3138830-1C1

Page 1 of 1

Sample Number 24112614-5
Parameter Noise (Leq 24 hrs.)
Location N1 : หมู่ 10 บ้านมาบดอง (GPS 47P 0742983, 1415574)
Measurement Date Oct 06 - Oct 07, 2024
Measurement by Natthawut Duangpang
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	59.1	88.2	47.7
10:00 AM - 11:00 AM	62.5	66.2	57.6
11:00 AM - 12:00 PM	58.0	82.3	54.8
12:00 PM - 01:00 PM	59.3	70.5	55.5
01:00 PM - 02:00 PM	59.4	74.9	57.1
02:00 PM - 03:00 PM	59.0	67.3	56.6
03:00 PM - 04:00 PM	59.8	63.1	56.9
04:00 PM - 05:00 PM	57.8	66.1	56.6
05:00 PM - 06:00 PM	55.8	60.1	51.2
06:00 PM - 07:00 PM	55.2	59.4	52.6
07:00 PM - 08:00 PM	56.1	67.8	52.3
08:00 PM - 09:00 PM	55.4	72.0	53.4
09:00 PM - 10:00 PM	57.5	79.0	53.8
10:00 PM - 11:00 PM	52.6	69.8	48.0
11:00 PM - 12:00 AM	47.8	72.2	45.0
12:00 AM - 01:00 AM	51.0	78.2	45.0
01:00 AM - 02:00 AM	63.8	97.4	44.5
02:00 AM - 03:00 AM	47.2	66.9	44.1
03:00 AM - 04:00 AM	46.0	62.5	42.7
04:00 AM - 05:00 AM	46.6	70.9	42.9
05:00 AM - 06:00 AM	45.4	64.5	41.7
06:00 AM - 07:00 AM	49.2	70.8	43.2
07:00 AM - 08:00 AM	53.7	79.7	45.5
08:00 AM - 09:00 AM	49.8	76.4	45.4

Leq Average 24 hrs. (dB(A)) 57.2
Lmax (dB(A)) 97.4
L90 (dB(A)) 48.0
Ldn (dB(A)) 62.2
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

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 :

Project Name : EIA Monitoring

Project Location :

Lot ID: 24112614

Date Received : Oct 10, 2024

Date Reported : Oct 22, 2024

Report Number: 3138831-1C1

Page 1 of 1

Sample Number 24112614-6
Parameter Noise (Leq 24 hrs.)
Location N1 : หมู่ 10 บ้านมาบดอง (GPS 47P 0742983, 1415574)
Measurement Date Oct 07 - Oct 08, 2024
Measurement by Natthawut Duangpang
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	53.8	75.7	46.3
10:00 AM - 11:00 AM	54.5	63.8	51.4
11:00 AM - 12:00 PM	57.0	77.1	51.4
12:00 PM - 01:00 PM	59.0	65.3	57.3
01:00 PM - 02:00 PM	58.9	75.8	56.9
02:00 PM - 03:00 PM	56.8	81.4	53.4
03:00 PM - 04:00 PM	55.2	70.0	53.3
04:00 PM - 05:00 PM	54.1	68.1	52.1
05:00 PM - 06:00 PM	54.2	68.6	52.6
06:00 PM - 07:00 PM	55.6	61.7	52.9
07:00 PM - 08:00 PM	54.5	71.6	52.6
08:00 PM - 09:00 PM	57.3	71.1	55.0
09:00 PM - 10:00 PM	58.1	73.3	55.6
10:00 PM - 11:00 PM	55.2	75.1	50.9
11:00 PM - 12:00 AM	51.7	66.1	48.4
12:00 AM - 01:00 AM	50.6	75.4	45.1
01:00 AM - 02:00 AM	48.3	74.2	43.4
02:00 AM - 03:00 AM	47.9	69.0	43.5
03:00 AM - 04:00 AM	45.9	74.7	37.6
04:00 AM - 05:00 AM	45.1	61.4	38.4
05:00 AM - 06:00 AM	46.1	59.7	41.6
06:00 AM - 07:00 AM	45.8	70.5	40.8
07:00 AM - 08:00 AM	46.5	67.7	41.8
08:00 AM - 09:00 AM	47.0	70.7	42.4

Leq Average 24 hrs. (dB(A)) 54.5
Lmax (dB(A)) 81.4
L90 (dB(A)) 50.9
Ldn (dB(A)) 57.8
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

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 :

Project Name : EIA Monitoring

Project Location :

Lot ID: 24112614

Date Received : Oct 10, 2024

Date Reported : Oct 22, 2024

Report Number: 3138832-1C1

Page 1 of 1

Sample Number 24112614-7
Parameter Noise (Leq 24 hrs.)
Location N1 : หมู่ 10 บ้านมาบดอง (GPS 47P 0742983, 1415574)
Measurement Date Oct 08 - Oct 09, 2024
Measurement by Natthawut Duangpang
Sound Level meter Serial No. 296515

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	58.8	73.8	45.4
10:00 AM - 11:00 AM	55.8	75.9	47.3
11:00 AM - 12:00 PM	55.5	63.7	52.0
12:00 PM - 01:00 PM	58.0	71.8	53.8
01:00 PM - 02:00 PM	62.0	91.1	54.7
02:00 PM - 03:00 PM	56.8	77.8	53.8
03:00 PM - 04:00 PM	58.1	73.6	55.9
04:00 PM - 05:00 PM	56.8	72.1	54.4
05:00 PM - 06:00 PM	58.4	72.1	53.5
06:00 PM - 07:00 PM	61.8	70.5	54.1
07:00 PM - 08:00 PM	62.8	73.8	59.8
08:00 PM - 09:00 PM	60.3	70.7	56.5
09:00 PM - 10:00 PM	58.1	73.4	55.1
10:00 PM - 11:00 PM	54.2	71.4	50.4
11:00 PM - 12:00 AM	51.9	67.1	49.3
12:00 AM - 01:00 AM	50.6	72.3	46.9
01:00 AM - 02:00 AM	47.9	67.3	43.9
02:00 AM - 03:00 AM	46.5	64.2	42.6
03:00 AM - 04:00 AM	49.5	69.3	38.8
04:00 AM - 05:00 AM	46.0	62.5	42.7
05:00 AM - 06:00 AM	46.6	70.9	42.9
06:00 AM - 07:00 AM	45.4	64.5	41.7
07:00 AM - 08:00 AM	48.3	74.2	43.4
08:00 AM - 09:00 AM	47.9	69.0	43.5

Leq Average 24 hrs. (dB(A)) 57.0
Lmax (dB(A)) 91.1
L90 (dB(A)) 49.3
Ldn (dB(A)) 59.2
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

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: 24113559

Date Received : Oct 10, 2024

Date Reported : Oct 17, 2024

Report Number: 3139380-1

Page 1 of 1

Sample Number 24113559-1
Parameter Noise (Leq 24 hrs.)
Location N2 : ร่มรั้วโครงการระยะที่ 1 ทางด้านทิศเหนือ (GPS 47P 0743746, 1415116)
Measurement Date Oct 02 - Oct 03, 2024
Measurement by Natthawut Duangpang
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	56.4	80.6	55.6
10:00 AM - 11:00 AM	56.2	67.8	55.3
11:00 AM - 12:00 PM	56.7	68.1	55.6
12:00 PM - 01:00 PM	56.5	67.5	55.6
01:00 PM - 02:00 PM	56.3	68.8	55.5
02:00 PM - 03:00 PM	56.4	70.1	55.6
03:00 PM - 04:00 PM	57.4	80.7	55.7
04:00 PM - 05:00 PM	65.7	72.6	56.1
05:00 PM - 06:00 PM	65.0	71.8	58.4
06:00 PM - 07:00 PM	57.7	65.6	56.6
07:00 PM - 08:00 PM	56.8	68.9	55.9
08:00 PM - 09:00 PM	56.9	68.2	56.2
09:00 PM - 10:00 PM	56.9	67.9	56.2
10:00 PM - 11:00 PM	57.9	65.5	56.5
11:00 PM - 12:00 AM	57.1	62.4	56.1
12:00 AM - 01:00 AM	56.3	62.2	55.4
01:00 AM - 02:00 AM	56.1	60.2	55.3
02:00 AM - 03:00 AM	57.3	65.2	55.8
03:00 AM - 04:00 AM	60.9	68.6	58.8
04:00 AM - 05:00 AM	64.0	70.7	62.6
05:00 AM - 06:00 AM	56.9	69.3	55.2
06:00 AM - 07:00 AM	56.4	73.8	55.1
07:00 AM - 08:00 AM	56.1	72.6	54.8
08:00 AM - 09:00 AM	57.5	77.2	56.1

Leq Average 24 hrs. (dB(A)) 59.3
Lmax (dB(A)) 80.7
L90 (dB(A)) 55.7
Ldn (dB(A)) 65.5
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

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head



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: 24113559

Date Received : Oct 10, 2024
Date Reported : Oct 17, 2024
Report Number: 3139381-1

Page 1 of 1

Sample Number 24113559-2
Parameter Noise (Leq 24 hrs.)
Location N2 : ริมรั้วโครงการระยะที่ 1 ทางด้านทิศเหนือ (GPS 47P 0743746, 1415116)
Measurement Date Oct 03 - Oct 04, 2024
Measurement by Natthawut Duangpang
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	56.2	63.9	55.3
10:00 AM - 11:00 AM	56.1	72.2	55.0
11:00 AM - 12:00 PM	56.5	78.3	54.8
12:00 PM - 01:00 PM	55.7	72.3	54.9
01:00 PM - 02:00 PM	55.7	64.3	55.1
02:00 PM - 03:00 PM	55.9	69.1	55.2
03:00 PM - 04:00 PM	56.0	73.4	54.9
04:00 PM - 05:00 PM	63.8	79.9	55.4
05:00 PM - 06:00 PM	65.4	72.2	57.8
06:00 PM - 07:00 PM	56.9	61.7	56.1
07:00 PM - 08:00 PM	56.6	65.7	55.9
08:00 PM - 09:00 PM	56.7	68.4	55.7
09:00 PM - 10:00 PM	56.0	69.4	54.3
10:00 PM - 11:00 PM	56.3	63.0	54.5
11:00 PM - 12:00 AM	56.4	63.8	55.5
12:00 AM - 01:00 AM	56.4	62.1	55.6
01:00 AM - 02:00 AM	56.7	62.1	55.6
02:00 AM - 03:00 AM	57.4	62.4	56.1
03:00 AM - 04:00 AM	61.0	65.5	58.9
04:00 AM - 05:00 AM	63.9	73.1	62.2
05:00 AM - 06:00 AM	57.5	67.1	55.9
06:00 AM - 07:00 AM	56.5	72.9	55.0
07:00 AM - 08:00 AM	57.8	82.1	54.9
08:00 AM - 09:00 AM	55.8	79.6	54.6

Leq Average 24 hrs. (dB(A)) 58.9
Lmax (dB(A)) 82.1
L90 (dB(A)) 55.3
Ldn (dB(A)) 65.3

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

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head



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: 24113559

Date Received : Oct 10, 2024

Date Reported : Oct 17, 2024

Report Number: 3139382-1

Page 1 of 1

Sample Number 24113559-3
Parameter Noise (Leq 24 hrs.)
Location N2 : ริมรั้วโครงการระยะที่ 1 ทางด้านทิศเหนือ (GPS 47P 0743746, 1415116)
Measurement Date Oct 04 - Oct 05, 2024
Measurement by Natthawut Duangpang
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	56.0	70.5	54.9
10:00 AM - 11:00 AM	56.6	76.1	55.1
11:00 AM - 12:00 PM	56.5	73.0	55.2
12:00 PM - 01:00 PM	56.0	68.1	54.7
01:00 PM - 02:00 PM	56.4	70.5	55.4
02:00 PM - 03:00 PM	58.9	83.3	55.3
03:00 PM - 04:00 PM	58.3	81.9	55.9
04:00 PM - 05:00 PM	64.9	72.2	55.8
05:00 PM - 06:00 PM	65.4	72.1	57.5
06:00 PM - 07:00 PM	57.1	64.0	55.9
07:00 PM - 08:00 PM	56.8	64.6	55.7
08:00 PM - 09:00 PM	57.3	75.4	55.6
09:00 PM - 10:00 PM	56.0	65.9	54.5
10:00 PM - 11:00 PM	56.9	62.8	54.5
11:00 PM - 12:00 AM	57.1	75.7	55.5
12:00 AM - 01:00 AM	56.5	65.8	55.6
01:00 AM - 02:00 AM	56.7	63.2	55.8
02:00 AM - 03:00 AM	57.5	63.4	56.1
03:00 AM - 04:00 AM	60.0	65.0	58.0
04:00 AM - 05:00 AM	63.2	68.4	61.0
05:00 AM - 06:00 AM	57.6	69.3	54.6
06:00 AM - 07:00 AM	55.8	73.2	54.5
07:00 AM - 08:00 AM	55.9	84.3	54.2
08:00 AM - 09:00 AM	53.5	67.4	52.7

Leq Average 24 hrs. (dB(A)) 59.0
Lmax (dB(A)) 84.3
L90 (dB(A)) 55.4
Ldn (dB(A)) 65.1
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

Chontichak

Chonticha Subongkoch
Scientist (3)

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: 24113559

Date Received : Oct 10, 2024
Date Reported : Oct 17, 2024
Report Number: 3139383-1

Page 1 of 1

Sample Number 24113559-4
Parameter Noise (Leq 24 hrs.)
Location N2 : ริมรั้วโครงการระยะที่ 1 ทางด้านทิศเหนือ (GPS 47P 0743746, 1415116)
Measurement Date Oct 05 - Oct 06, 2024
Measurement by Natthawut Duangpang
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	53.6	65.8	52.6
10:00 AM - 11:00 AM	53.3	68.4	52.3
11:00 AM - 12:00 PM	53.6	67.1	52.4
12:00 PM - 01:00 PM	54.4	63.8	53.3
01:00 PM - 02:00 PM	54.9	62.3	54.1
02:00 PM - 03:00 PM	56.2	69.6	55.2
03:00 PM - 04:00 PM	56.9	75.7	55.4
04:00 PM - 05:00 PM	64.6	72.5	55.1
05:00 PM - 06:00 PM	67.1	78.2	60.7
06:00 PM - 07:00 PM	60.0	68.4	57.3
07:00 PM - 08:00 PM	57.2	71.2	55.4
08:00 PM - 09:00 PM	56.6	68.1	55.6
09:00 PM - 10:00 PM	56.5	70.7	55.6
10:00 PM - 11:00 PM	56.8	62.4	55.5
11:00 PM - 12:00 AM	57.1	63.0	55.9
12:00 AM - 01:00 AM	56.7	61.7	55.9
01:00 AM - 02:00 AM	56.2	60.7	55.5
02:00 AM - 03:00 AM	59.1	64.6	57.2
03:00 AM - 04:00 AM	63.3	67.7	59.2
04:00 AM - 05:00 AM	66.8	70.1	65.6
05:00 AM - 06:00 AM	57.5	73.9	55.4
06:00 AM - 07:00 AM	56.2	75.8	55.0
07:00 AM - 08:00 AM	55.6	68.0	54.8
08:00 AM - 09:00 AM	55.7	73.5	54.5

Leq Average 24 hrs. (dB(A)) 60.0
Lmax (dB(A)) 78.2
L90 (dB(A)) 55.4
Ldn (dB(A)) 67.0
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

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

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Supot Salamteh
Section Head



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: 24113559

Date Received : Oct 10, 2024
Date Reported : Oct 17, 2024
Report Number: 3139384-1

Page 1 of 1

Sample Number 24113559-5
Parameter Noise (Leq 24 hrs.)
Location N2 : ริมรั้วโครงการระยะที่ 1 ทางด้านทิศเหนือ (GPS 47P 0743746, 1415116)
Measurement Date Oct 06 - Oct 07, 2024
Measurement by Natthawut Duangpang
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	54.9	80.6	54.1
10:00 AM - 11:00 AM	54.6	68.3	53.9
11:00 AM - 12:00 PM	54.8	69.4	54.1
12:00 PM - 01:00 PM	56.7	63.2	55.1
01:00 PM - 02:00 PM	56.3	69.0	55.1
02:00 PM - 03:00 PM	56.1	70.9	55.1
03:00 PM - 04:00 PM	56.4	77.3	55.1
04:00 PM - 05:00 PM	64.0	71.1	55.2
05:00 PM - 06:00 PM	64.2	71.1	56.7
06:00 PM - 07:00 PM	56.5	67.6	55.4
07:00 PM - 08:00 PM	56.2	61.0	55.3
08:00 PM - 09:00 PM	56.8	62.2	55.8
09:00 PM - 10:00 PM	57.1	64.7	55.9
10:00 PM - 11:00 PM	56.6	61.1	56.0
11:00 PM - 12:00 AM	56.4	60.8	55.6
12:00 AM - 01:00 AM	56.2	60.7	55.2
01:00 AM - 02:00 AM	56.6	62.8	55.3
02:00 AM - 03:00 AM	56.8	62.7	55.5
03:00 AM - 04:00 AM	59.7	67.0	57.5
04:00 AM - 05:00 AM	62.9	71.3	61.4
05:00 AM - 06:00 AM	56.9	68.5	55.4
06:00 AM - 07:00 AM	56.7	73.5	54.8
07:00 AM - 08:00 AM	56.2	72.0	54.9
08:00 AM - 09:00 AM	55.2	67.1	53.8

Leq Average 24 hrs. (dB(A)) 58.4
Lmax (dB(A)) 80.6
L90 (dB(A)) 55.2
Ldn (dB(A)) 64.7

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

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Chonticha Subongkoch
Scientist (3)

Approved by

Supot S

Supot Salamteh
Section Head



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: 24113559

Date Received : Oct 10, 2024

Date Reported : Oct 17, 2024

Report Number: 3139385-1

Page 1 of 1

Sample Number 24113559-6
Parameter Noise (Leq 24 hrs.)
Location N2 : ร่มรั้วโครงการระยะที่ 1 ทางด้านทิศเหนือ (GPS 47P 0743746, 1415116)
Measurement Date Oct 07 - Oct 08, 2024
Measurement by Natthawut Duangpang
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	54.9	69.5	54.1
10:00 AM - 11:00 AM	55.4	79.3	54.2
11:00 AM - 12:00 PM	56.1	67.0	54.3
12:00 PM - 01:00 PM	55.8	66.9	54.7
01:00 PM - 02:00 PM	57.0	81.8	55.7
02:00 PM - 03:00 PM	59.5	82.0	56.0
03:00 PM - 04:00 PM	58.5	77.0	56.1
04:00 PM - 05:00 PM	63.8	71.5	56.3
05:00 PM - 06:00 PM	65.1	72.0	57.4
06:00 PM - 07:00 PM	56.9	62.0	56.3
07:00 PM - 08:00 PM	57.0	64.0	56.5
08:00 PM - 09:00 PM	57.1	65.9	56.2
09:00 PM - 10:00 PM	57.1	63.7	55.6
10:00 PM - 11:00 PM	56.8	62.9	55.4
11:00 PM - 12:00 AM	56.4	60.5	55.8
12:00 AM - 01:00 AM	56.4	61.5	55.5
01:00 AM - 02:00 AM	56.3	61.3	55.7
02:00 AM - 03:00 AM	57.7	63.0	56.5
03:00 AM - 04:00 AM	59.9	64.9	58.3
04:00 AM - 05:00 AM	62.9	67.7	61.2
05:00 AM - 06:00 AM	57.0	70.7	55.8
06:00 AM - 07:00 AM	56.6	73.3	55.6
07:00 AM - 08:00 AM	55.8	71.1	55.2
08:00 AM - 09:00 AM	55.6	68.8	54.6

Leq Average 24 hrs. (dB(A)) 58.8
Lmax (dB(A)) 82.0
L90 (dB(A)) 55.7
Ldn (dB(A)) 64.9
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

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Supot Salamteh
Section Head



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: 24113559

Date Received : Oct 10, 2024

Date Reported : Oct 17, 2024

Report Number: 3139386-1

Page 1 of 1

Sample Number 24113559-7
Parameter Noise (Leq 24 hrs.)
Location N2 : ร่มรั้วโครงการระยะที่ 1 ทางด้านทิศเหนือ (GPS 47P 0743746, 1415116)
Measurement Date Oct 08 - Oct 09, 2024
Measurement by Natthawut Duangpang
Sound Level meter Serial No. 296516

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	55.3	69.0	54.2
10:00 AM - 11:00 AM	55.6	68.4	54.5
11:00 AM - 12:00 PM	56.3	68.7	54.7
12:00 PM - 01:00 PM	56.8	77.5	54.8
01:00 PM - 02:00 PM	57.4	78.5	55.0
02:00 PM - 03:00 PM	56.2	68.9	55.0
03:00 PM - 04:00 PM	57.2	76.7	55.0
04:00 PM - 05:00 PM	64.8	73.8	56.1
05:00 PM - 06:00 PM	65.6	84.7	58.4
06:00 PM - 07:00 PM	57.5	65.4	56.7
07:00 PM - 08:00 PM	57.4	68.3	56.6
08:00 PM - 09:00 PM	57.7	73.6	56.7
09:00 PM - 10:00 PM	58.0	76.5	55.8
10:00 PM - 11:00 PM	57.7	70.5	56.1
11:00 PM - 12:00 AM	57.5	69.0	56.5
12:00 AM - 01:00 AM	57.1	66.6	56.3
01:00 AM - 02:00 AM	57.1	63.0	56.4
02:00 AM - 03:00 AM	57.3	65.4	56.2
03:00 AM - 04:00 AM	58.8	65.2	57.6
04:00 AM - 05:00 AM	61.5	68.6	58.9
05:00 AM - 06:00 AM	58.0	68.3	56.1
06:00 AM - 07:00 AM	56.6	71.5	55.8
07:00 AM - 08:00 AM	57.0	74.8	55.9
08:00 AM - 09:00 AM	55.9	69.2	54.9

Leq Average 24 hrs. (dB(A)) 59.0
Lmax (dB(A)) 84.7
L90 (dB(A)) 56.1
Ldn (dB(A)) 64.8
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

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Scientist (3)

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Supot Salamteh
Section Head

ระดับเสียงในบริเวณทำงาน



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: 24101688

Date Received : Sep 23, 2024
Date Reported : Sep 26, 2024
Report Number: 3122649-1

Page 1 of 1

Sample Number 24101688-1
Parameter Noise (Leq 8 hrs.)
Location Gas Turbine Generator
Measurement Date Sep 23, 2024
Measurement by Nattakarn Vonginyoo

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:16 AM - 11:16 AM	84.4	87.5	84.0
11:16 AM - 12:16 PM	84.5	87.1	84.1
12:16 PM - 01:16 PM	84.8	85.9	84.5
01:16 PM - 02:16 PM	84.5	85.7	84.1
02:16 PM - 03:16 PM	84.1	84.9	83.9
03:16 PM - 04:16 PM	84.1	84.8	84.0
04:16 PM - 05:16 PM	84.1	84.8	83.9
05:16 PM - 06:16 PM	84.2	84.8	84.0

Leq Average 8 hrs. (dB(A))

84.3

Lmax (dB(A))

87.5

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

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Supot Salamteh
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 :

Lot ID: 24101688

Date Received : Sep 23, 2024

Date Reported : Sep 26, 2024

Report Number: 3122650-1

Page 1 of 1

Sample Number 24101688-2
Parameter Noise (Leq 8 hrs.)
Location Air Compressor
Measurement Date Sep 23, 2024
Measurement by Nattakarn Vonginyoo

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:13 AM - 11:13 AM	79.8	82.3	79.1
11:13 AM - 12:13 PM	79.5	82.8	78.9
12:13 PM - 01:13 PM	78.9	81.8	78.2
01:13 PM - 02:13 PM	79.0	81.5	78.3
02:13 PM - 03:13 PM	79.1	84.3	78.3
03:13 PM - 04:13 PM	79.7	84.8	79.0
04:13 PM - 05:13 PM	79.8	85.1	79.1
05:13 PM - 06:13 PM	80.0	84.5	79.3

Leq Average 8 hrs. (dB(A))

79.5

Lmax (dB(A))

85.1

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management

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: 24101688

Date Received : Sep 23, 2024

Date Reported : Sep 26, 2024

Report Number: 3122651-1

Page 1 of 1

Sample Number 24101688-3
Parameter Noise (Leq 8 hrs.)
Location Steam Turbine Generator
Measurement Date Sep 23, 2024
Measurement by Nattakarn Vonginyoo

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	81.4	82.7	81.0
11:00 AM - 12:00 PM	81.1	82.6	80.8
12:00 PM - 01:00 PM	81.0	82.5	80.7
01:00 PM - 02:00 PM	81.2	82.3	80.9
02:00 PM - 03:00 PM	81.3	82.3	81.0
03:00 PM - 04:00 PM	81.2	82.6	81.1
04:00 PM - 05:00 PM	81.3	82.7	81.1
05:00 PM - 06:00 PM	81.5	82.5	81.3

Leq Average 8 hrs. (dB(A))

81.3

Lmax (dB(A))

82.7

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

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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: 24138099

Date Received : Dec 13, 2024
Date Reported : Dec 18, 2024
Report Number: 3194810-1

Page 1 of 1

Sample Number 24138099-1
Parameter Noise (Leq 8 hrs.)
Location Gas Turbine Generator
Measurement Date Dec 12, 2024
Measurement by Tinnakorn Kumpasee

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:39 AM - 11:39 AM	82.7	85.2	82.4
11:39 AM - 12:39 PM	83.1	84.9	82.4
12:39 PM - 01:39 PM	84.5	86.2	83.5
01:39 PM - 02:39 PM	84.7	85.6	84.5
02:39 PM - 03:39 PM	84.6	85.5	84.4
03:39 PM - 04:39 PM	84.5	85.2	84.3
04:39 PM - 05:39 PM	84.5	85.5	84.3
05:39 PM - 06:39 PM	84.7	85.5	84.5

Leq Average 8 hrs. (dB(A))

84.2

Lmax (dB(A))

86.2

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการคุ้มครองความปลอดภัย
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Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)

Approved by

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Supot Salamteh
Section Head

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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: 24138099

Date Received : Dec 13, 2024

Date Reported : Dec 18, 2024

Report Number: 3194811-1

Page 1 of 1

Sample Number 24138099-2
Parameter Noise (Leq 8 hrs.)
Location Air Compressor
Measurement Date Dec 12, 2024
Measurement by Tinnakorn Kumpasee

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:17 AM - 11:17 AM	80.5	84.5	79.5
11:17 AM - 12:17 PM	80.5	84.5	79.5
12:17 PM - 01:17 PM	80.6	85.4	79.4
01:17 PM - 02:17 PM	80.7	85.6	79.7
02:17 PM - 03:17 PM	80.8	84.9	79.8
03:17 PM - 04:17 PM	80.7	85.2	79.7
04:17 PM - 05:17 PM	80.7	85.9	79.7
05:17 PM - 06:17 PM	81.0	88.1	79.7

Leq Average 8 hrs. (dB(A))

80.7

Lmax (dB(A))

88.1

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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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: 24138099

Date Received : Dec 13, 2024

Date Reported : Dec 18, 2024

Report Number: 3194812-1

Page 1 of 1

Sample Number 24138099-3
Parameter Noise (Leq 8 hrs.)
Location Steam Turbine Generator
Measurement Date Dec 12, 2024
Measurement by Tinnakorn Kumpasee

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:32 AM - 11:32 AM	81.3	82.4	81.1
11:32 AM - 12:32 PM	81.3	82.4	81.1
12:32 PM - 01:32 PM	81.6	83.3	81.1
01:32 PM - 02:32 PM	81.2	82.5	81.0
02:32 PM - 03:32 PM	81.2	82.4	80.9
03:32 PM - 04:32 PM	81.2	82.3	81.0
04:32 PM - 05:32 PM	81.2	82.6	81.0
05:32 PM - 06:32 PM	81.2	82.5	80.9

Leq Average 8 hrs. (dB(A))

81.3

Lmax (dB(A))

83.3

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Noise Contour Map



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

(Steam Turbine Area ชั้น 1 ตรวจวัดแบบปกติ)





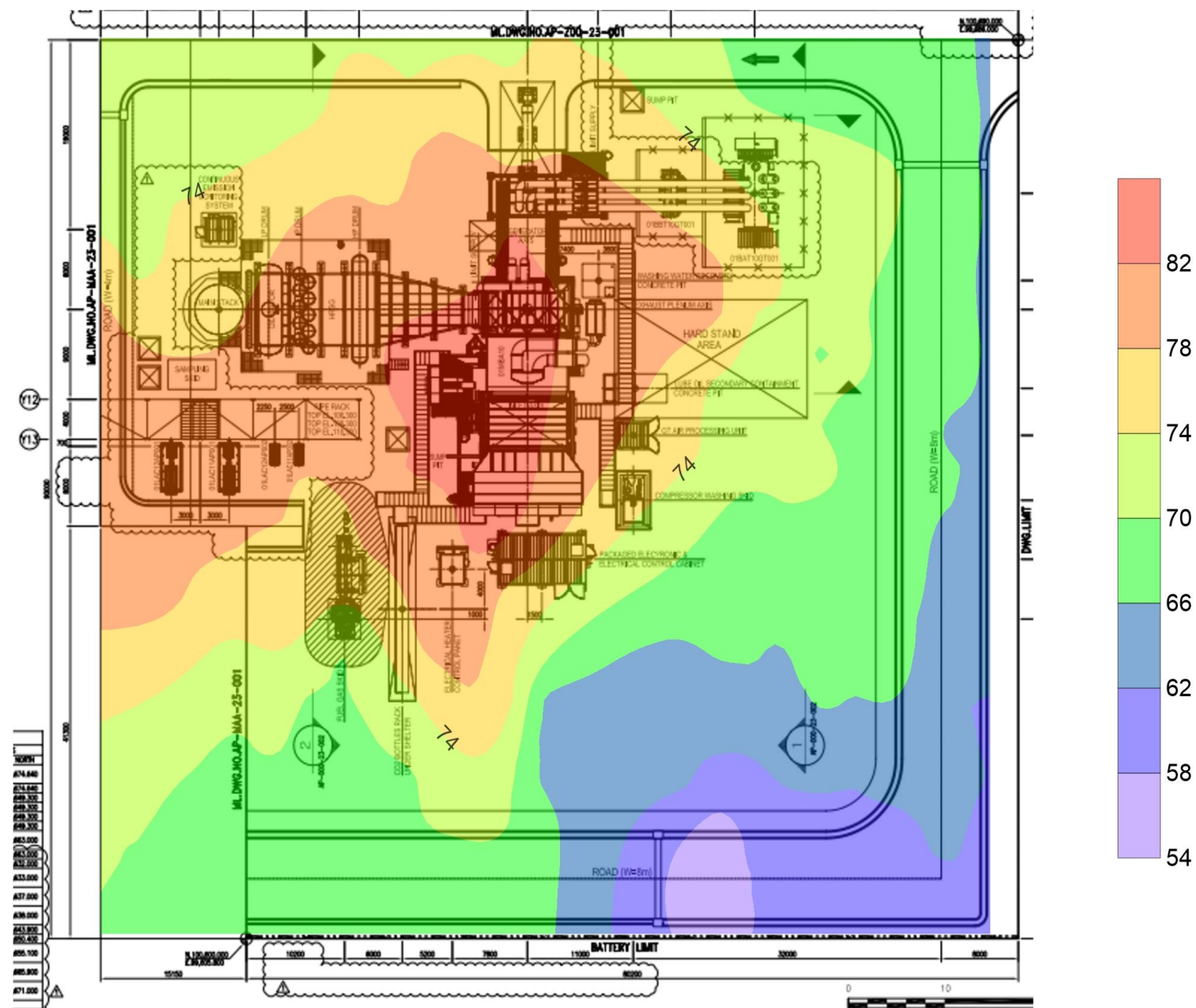
Noise Contour Map

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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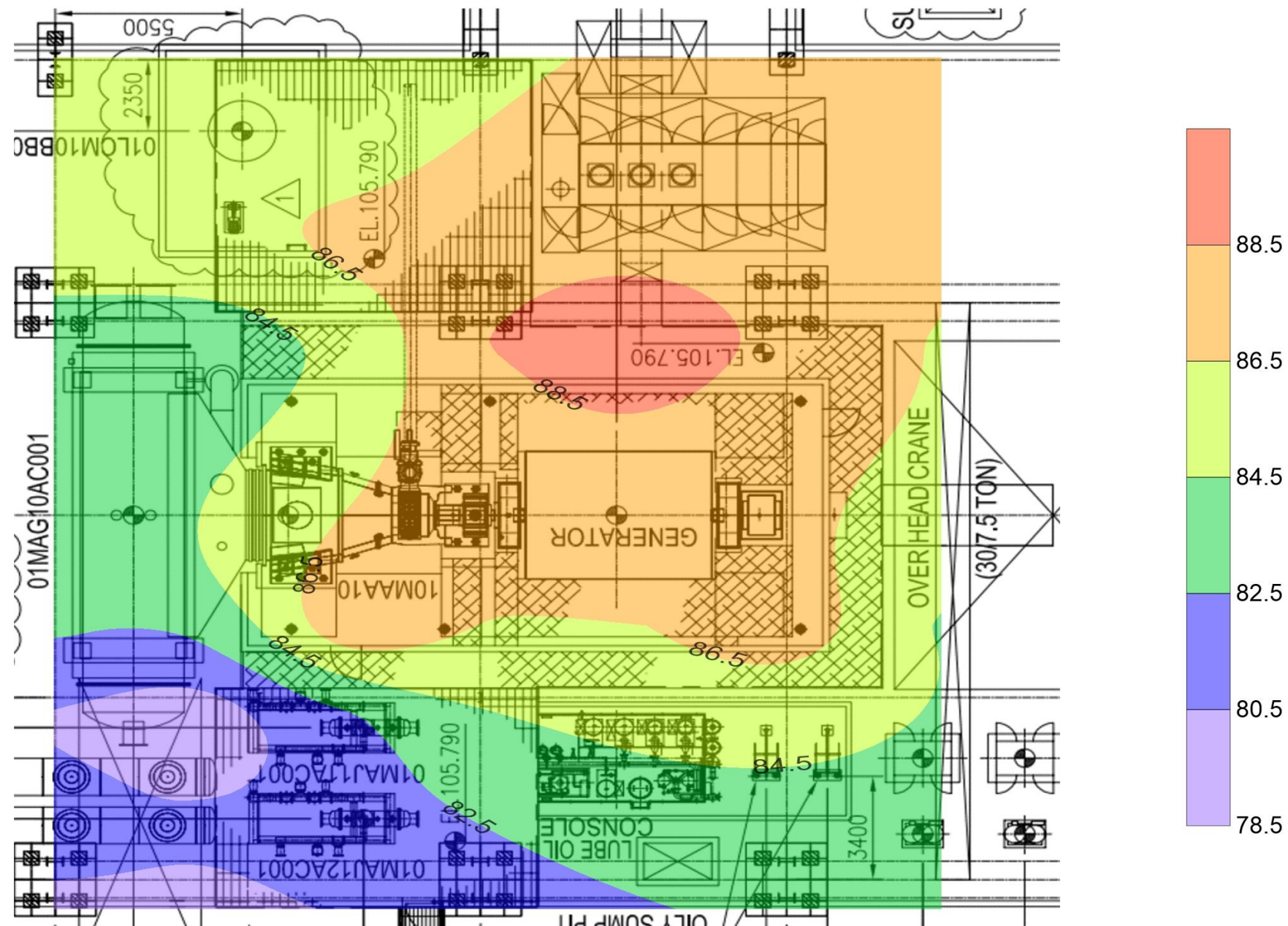
Noise Contour Map

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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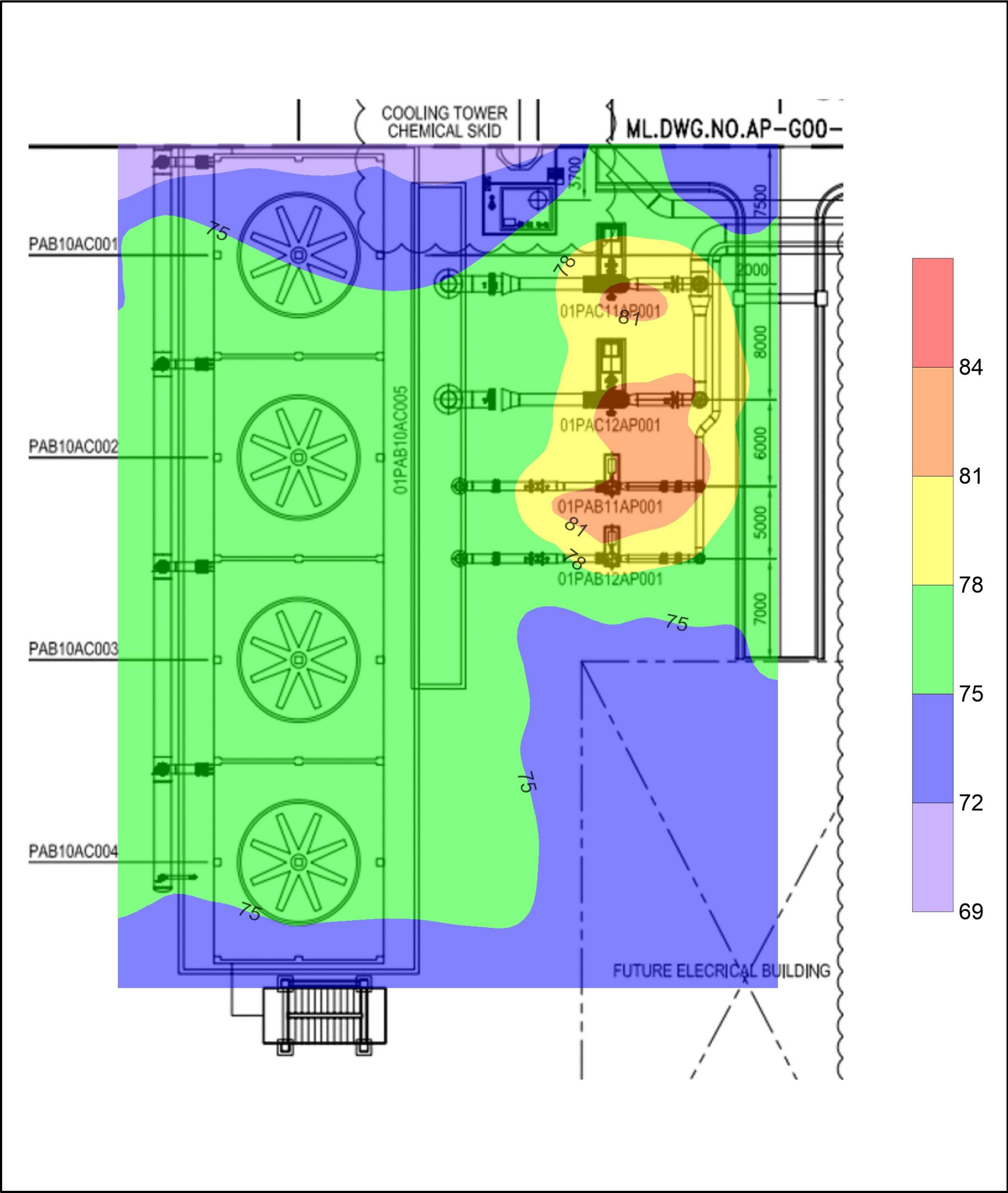


Noise Contour Map

Reference Number : Lot 2439495-1

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

(Cooling Tower Area ตรวจวัดแบบปกติ)





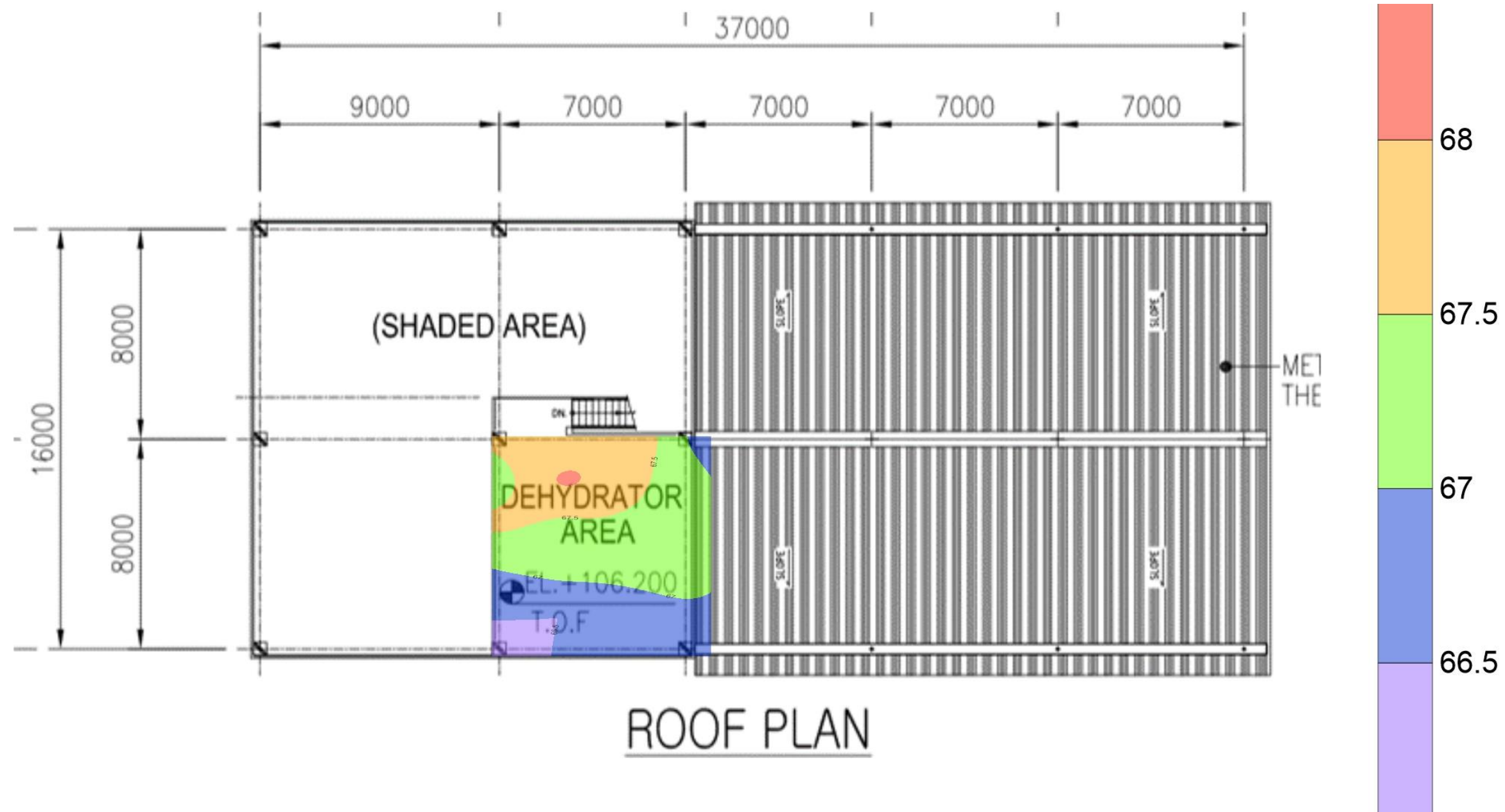
Noise Contour Map

General Electric International Operations Company Inc.

(Water Treatment Plant 2nd Floor ตรวจวัดแบบปกติ)

Reference Number : Lot 2439497-1

Measurement Date : Apr 24, 2024



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