

ภาคผนวก ค-5

ใบรายงานผลการติดตามตรวจสอบคุณภาพน้ำทะเลชายฝั่ง



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 251738
Date Received : Jan 08, 2025
Date Reported : Jan 11, 2025
Report Number : 3207602-1

Page 1 of 2

Sample Number 251738-1
Sample Date Jan 08, 2025 11:10 AM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโดยชนบท
Date Analysis Commenced Jan 08, 2025
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	49620	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	8.0	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.0	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	30.5	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	29.6	Change from natural condition not more than 2 degree 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	33900	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.4	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Ekachai Tunpong

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.

Approved by

Photchanna S.

Photchanna Seeda
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19894-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 251741
Date Received : Jan 15, 2025
Date Reported : Jan 20, 2025
Report Number : 3207605-1

Page 1 of 2

Sample Number 251741-1
Sample Date Jan 15, 2025 11:10 AM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโดยชนบท
Date Analysis Commenced Jan 15, 2025
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	49560	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	8.1	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.2	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	30.0	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	28.8	Change from natural condition not more than 2 degree 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	33750	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	3.2	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	5.9	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Wanlop Hunchinaow

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19894-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 251742
Date Received : Jan 22, 2025
Date Reported : Jan 27, 2025
Report Number : 3207604-1

Page 1 of 2

Sample Number 251742-1
Sample Date Jan 22, 2025 11:40 AM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโดยชนบท
Date Analysis Commenced Jan 22, 2025
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	49460	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.1	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.2	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	30.1	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	29.9	Change from natural condition not more than 2 degree 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	32100	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.5	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Wanlop Hunchinaow

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19894-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 251743
Date Received : Jan 29, 2025
Date Reported : Feb 03, 2025
Report Number : 3207603-1

Page 1 of 2

Sample Number 251743-1
Sample Date Jan 29, 2025 11:25 AM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโดยชนบท
Date Analysis Commenced Jan 29, 2025
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	49620	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	8.1	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.0	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	29.1	Change from natural condition not more than 2 degree 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	32550	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.2	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	6.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

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19894-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 251744
Date Received : Jan 08, 2025
Date Reported : Jan 11, 2025
Report Number : 3207606-1

Page 1 of 2

Sample Number 251744-1
Sample Date Jan 08, 2025 10:45 AM
Sample Description Seawater
Location จดหมายขอแจ้งโครงการโรงไฟฟ้าพลังงานทดแทนโดยเอกชน
Date Analysis Commenced Jan 08, 2025
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	50030	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.8	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	30.9	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	27.2	Change from natural condition not more than 2 degree 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	34650	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	3.1	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	0.9	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Ekachai Tunpong

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 251745
Date Received : Jan 15, 2025
Date Reported : Jan 20, 2025
Report Number : 3207610-1

Page 1 of 2

Sample Number 251745-1
Sample Date Jan 15, 2025 10:40 AM
Sample Description Seawater
Location จดหมายขอแจ้งโครงการโรงไฟฟ้าพลังงานทดแทนโดยเอกชน
Date Analysis Commenced Jan 15, 2025
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	49870	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	8.5	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.3	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	30.2	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	28.8	Change from natural condition not more than 2 degree 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	34300	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	3.6	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.5	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Wanlop Hunchinaow

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 251746
Date Received : Jan 22, 2025
Date Reported : Jan 27, 2025
Report Number : 3207608-1

Page 1 of 2

Sample Number 251746-1
Sample Date Jan 22, 2025 10:50 AM
Sample Description Seawater
Location จดหมายขอแจ้งโครงการโรงไฟฟ้าพลังงานทดแทนโดยเอกชน
Date Analysis Commenced Jan 22, 2025
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	49770	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.6	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.2	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	30.3	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	27.2	Change from natural condition not more than 2 degree 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	34350	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	3.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.5	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Wanlop Hunchinaow

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 251747
Date Received : Jan 29, 2025
Date Reported : Feb 03, 2025
Report Number : 3207607-1

Page 1 of 2

Sample Number 251747-1
Sample Date Jan 29, 2025 11:05 AM
Sample Description Seawater
Location จดหมายขอแจ้งโครงการโรงไฟฟ้าพลังงานทดแทนโดยเอกชน
Date Analysis Commenced Jan 29, 2025
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	49840	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.9	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.2	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.5	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	28.0	Change from natural condition not more than 2 degree 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	32900	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	3.2	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	3.2	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150

P/O :
Project Name :
Project Location :

Lot ID: 251750
Date Received : Jan 08, 2025
Date Reported : Jan 11, 2025
Report Number : 3207611-1

Page 1 of 2

Sample Number 251750-1
Sample Date Jan 08, 2025 10:30 AM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ และเขื่อนป้องกันตลิ่งยาวใกล้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Jan 08, 2025
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	49660	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	8.0	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.2	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.1	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	28.1	Change from natural condition not more than 2 degree 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	34450	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.6	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Ekachal Tunpong

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Approved by

Photchanna S.

Photchanna Seeda
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19894-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150

P/O :
Project Name :
Project Location :

Lot ID: 251752
Date Received : Jan 15, 2025
Date Reported : Jan 20, 2025
Report Number : 3207614-1

Page 1 of 2

Sample Number 251752-1
Sample Date Jan 15, 2025 10:15 AM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ และเขื่อนป้องกันตลิ่งยาวใกล้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Jan 15, 2025
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	49860	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	8.3	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.2	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	30.3	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	29.1	Change from natural condition not more than 2 degree 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	33600	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.9	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Wanlop Hunchanaow

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19894-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150

P/O :
Project Name :
Project Location :

Lot ID: 251753
Date Received : Jan 22, 2025
Date Reported : Jan 27, 2025
Report Number : 3207613-1

Page 1 of 2

Sample Number 251753-1
Sample Date Jan 22, 2025 10:40 AM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ และเขื่อนป้องกันตลิ่งยาวใกล้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Jan 22, 2025
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	49490	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.7	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.2	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	30.0	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	28.4	Change from natural condition not more than 2 degree 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	31850	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Wanlop Hunchanaow

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19894-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150

P/O :
Project Name :
Project Location :

Lot ID: 251754
Date Received : Jan 29, 2025
Date Reported : Feb 02, 2025
Report Number : 3207612-1

Page 1 of 2

Sample Number 251754-1
Sample Date Jan 29, 2025 11:55 AM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ และเขื่อนป้องกันตลิ่งยาวใกล้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Jan 29, 2025
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	49770	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	8.0	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.2	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	30.8	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	27.8	Change from natural condition not more than 2 degree 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	33200	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.8	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	5.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

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19894-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 24145202
Date Received : Jan 02, 2025
Date Reported : Jan 22, 2025
Report Number : 3204627-1

Page 1 of 3

Sample Number 24145202-1
Sampled Date Jan 02, 2025 11:10 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานลม แบริ่งและระบบไฟฟ้าแรงดันสูง 500 เมตร จุดที่ 1
Date Analysis Commenced Jan 02, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials 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							
Arsenic	mg/L	0.002	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Cadmium	mg/L	0.0009	0.003	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Iron	mg/L	0.001	0.003	0.06	≤0.3	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Lead	mg/L	0.001	0.003	Not Detected	≤0.0085	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Mercury	mg/L	0.000003	0.00005	<0.00005	≤0.0001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Selenium	mg/L	0.003	0.01	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong

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Siriluk Burnak
Section Head

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 24145202
Date Received : Jan 02, 2025
Date Reported : Jan 22, 2025
Report Number : 3204627-1

Page 2 of 3

Sample Number 24145202-1
Sampled Date Jan 02, 2025 11:10 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานลม แบริ่งและระบบไฟฟ้าแรงดันสูง 500 เมตร จุดที่ 1
Date Analysis Commenced Jan 02, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 Degree C	micromhos/cm	-	0.5	48490	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.9	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Petroleum Hydrocarbon	ug/L	0.02	0.05	1.74	≤5		Bangkok
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	30.9	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	28.3	Change from natural condition not more than 2 degree 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	34100	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	-	2	<2	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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Siriluk Burnak
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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 24145202
Date Received : Jan 02, 2025
Date Reported : Jan 22, 2025
Report Number : 3204627-1

Page 3 of 3

Sample Number 24145202-1
Sampled Date Jan 02, 2025 11:10 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานลม แบริ่งและระบบไฟฟ้าแรงดันสูง 500 เมตร จุดที่ 1
Date Analysis Commenced Jan 02, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	7.1	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Anan Chengsena

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

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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Siriluk P.
Siriluk Burnak
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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 24145204
Date Received : Jan 02, 2025
Date Reported : Jan 22, 2025
Report Number : 3204642-1

Page 1 of 3

Sample Number 24145204-1
Sampled Date Jan 02, 2025 10:40 AM
Sample Description Seawater
Location น้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานลม แบริ่งและระบบไฟฟ้าแรงดันสูง 1,000 เมตร จุดที่ 2
Date Analysis Commenced Jan 02, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials 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							
Arsenic	mg/L	0.002	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Cadmium	mg/L	0.0009	0.003	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Iron	mg/L	0.001	0.003	0.04	≤0.3	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Lead	mg/L	0.001	0.003	Not Detected	≤0.0085	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Mercury	mg/L	0.000003	0.00005	<0.00005	≤0.0001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Selenium	mg/L	0.003	0.01	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 24145204
Date Received : Jan 02, 2025
Date Reported : Jan 22, 2025
Report Number : 3204642-1

Page 2 of 3

Sample Number 24145204-1
Sample Date Jan 02, 2025 10:40 AM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ และเขื่อนป้องกันตลิ่งยาวฝั่งซ้าย 1,000 เมตร จุดที่ 2
Date Analysis Commenced Jan 02, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 Degree C	micromhos/cm	-	0.5	48270	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	8.1	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Petroleum Hydrocarbon	ug/L	0.02	0.05	0.87	≤5		Bangkok
pH at 25 degree C	-	-	-	8.2	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	30.6	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	28.0	Change from natural condition not more than 2 degree 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	34400	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	-	2	3	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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.

Approved by

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Siriluk Bunnak
Section Head

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 24145204
Date Received : Jan 02, 2025
Date Reported : Jan 22, 2025
Report Number : 3204642-1

Page 3 of 3

Sample Number 24145204-1
Sample Date Jan 02, 2025 10:40 AM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ และเขื่อนป้องกันตลิ่งยาวฝั่งซ้าย 1,000 เมตร จุดที่ 2
Date Analysis Commenced Jan 02, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.9	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.8	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Anan Changsena

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

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 24145205
Date Received : Jan 02, 2025
Date Reported : Jan 22, 2025
Report Number : 3204641-1

Page 1 of 3

Sample Number 24145205-1
Sample Date Jan 02, 2025 10:50 AM
Sample Description Seawater
Location จุดขนถ่ายของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์และเขื่อน
Date Analysis Commenced Jan 02, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.002	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0009	0.003	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.001	0.003	0.03	≤0.3	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.001	0.003	Not Detected	≤0.0085	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.000003	0.00005	<0.00005	≤0.0001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Selenium	mg/L	0.003	0.01	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong

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

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 24145205
Date Received : Jan 02, 2025
Date Reported : Jan 22, 2025
Report Number : 3204641-1

Page 2 of 3

Sample Number 24145205-1
Sample Date Jan 02, 2025 10:50 AM
Sample Description Seawater
Location จุดขนถ่ายของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์และเขื่อน
Date Analysis Commenced Jan 02, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 Degree C	micromhos/cm	-	0.5	48450	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.8	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Petroleum Hydrocarbon	ug/L	0.02	0.05	1.36	≤5		Bangkok
pH at 25 degree C	-	-	-	8.2	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	30.8	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Sulfate	mg/L	0.6	2	2492	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-SO4 (E)	Rayong
Temperature	Degree C	-	-	27.3	Change from natural condition not more than 2 degree 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	34100	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	-	2	2	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150

P/O :
Project Name :
Project Location :

Lot ID: 24145205
Date Received : Jan 02, 2025
Date Reported : Jan 22, 2025
Report Number : 3204641-1

Page 3 of 3

Sample Number	24145205-1
Sampled Date	Jan 02, 2025 10:50 AM
Sample Description	Seawater
Location	จุดรับน้ำทะเลของโครงการโรงไฟฟ้าพลังงานทดแทนโคเจนเนอเรชั่น
Date Analysis Commenced	Jan 02, 2025
Condition of Sample	Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	3.2	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	3.6	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Anan Changsena

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

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150

P/O :
Project Name :
Project Location :

Lot ID: 24145206
Date Received : Jan 02, 2025
Date Reported : Jan 22, 2025
Report Number : 3204640-1

Page 1 of 3

Sample Number	24145206-1
Sampled Date	Jan 02, 2025 11:20 AM
Sample Description	Seawater
Location	จุดรับน้ำทะเลของโครงการโรงไฟฟ้าพลังงานทดแทนโคเจนเนอเรชั่น
Date Analysis Commenced	Jan 02, 2025
Condition of Sample	Contained in one amber glass bottle, two glass vials 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							
Arsenic	mg/L	0.002	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0009	0.003	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.001	0.003	0.05	≤0.3	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.001	0.003	<0.003	≤0.0085	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.000003	0.00005	<0.00005	≤0.0001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Selenium	mg/L	0.003	0.01	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong

Approved by

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Siriluk Bunrak
Section Head

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
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P/O :
Project Name :
Project Location :

Lot ID: 24145206
Date Received : Jan 02, 2025
Date Reported : Jan 22, 2025
Report Number : 3204640-1

Page 2 of 3

Sample Number	24145206-1
Sampled Date	Jan 02, 2025 11:20 AM
Sample Description	Seawater
Location	จุดรับน้ำทะเลของโครงการโรงไฟฟ้าพลังงานทดแทนโคเจนเนอเรชั่น
Date Analysis Commenced	Jan 02, 2025
Condition of Sample	Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 Degree C	micromhos/cm	-	0.5	48410	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	8.1	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B (G)	Rayong
Petroleum Hydrocarbon	ug/L	0.02	0.05	0.44	≤5		Bangkok
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	30.6	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	29.3	Change from natural condition not more than 2 degree 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	33200	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	-	2	<2	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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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Siriluk Bunrak
Section Head

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150

P/O :
Project Name :
Project Location :

Lot ID: 24145206
Date Received : Jan 02, 2025
Date Reported : Jan 22, 2025
Report Number : 3204640-1

Page 3 of 3

Sample Number	24145206-1
Sampled Date	Jan 02, 2025 11:20 AM
Sample Description	Seawater
Location	จุดรับน้ำทะเลของโครงการโรงไฟฟ้าพลังงานทดแทนโคเจนเนอเรชั่น
Date Analysis Commenced	Jan 02, 2025
Condition of Sample	Contained in one amber glass bottle, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.3	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.8	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Anan Changsena

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

Approved by

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Siriluk Bunrak
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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255655
Date Received : Feb 05, 2025
Date Reported : Feb 13, 2025
Report Number : 3215941-1

Page 1 of 2

Sample Number 255655-1
Sample Date Feb 05, 2025 11:30 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานลม แผนพัฒนาพื้นที่ทางทะเลบริเวณใกล้ 500 เมตร จุดที่ 1
Date Analysis Commenced Feb 05, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	50710	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	9.0	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.3	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	31.8	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	30.9	Change from natural condition not more than 2 degree 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	33500	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	-	2	5	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeds
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255655
Date Received : Feb 05, 2025
Date Reported : Feb 13, 2025
Report Number : 3215941-1

Page 2 of 2

Sample Number 255655-1
Sample Date Feb 05, 2025 11:30 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานลม แผนพัฒนาพื้นที่ทางทะเลบริเวณใกล้ 500 เมตร จุดที่ 1
Date Analysis Commenced Feb 05, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.6	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Ekkachai Tuntong

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeds
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255657
Date Received : Feb 05, 2025
Date Reported : Feb 13, 2025
Report Number : 3215947-1

Page 1 of 2

Sample Number 255657-1
Sample Date Feb 05, 2025 11:55 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานลม แผนพัฒนาพื้นที่ทางทะเลบริเวณ 500 เมตร
Date Analysis Commenced Feb 05, 2025
Condition of Sample Contained in two plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	45750	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.4	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.5	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	28.7	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.7	Change from natural condition not more than 2 degree 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	29900	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	-	2	15	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255657
Date Received : Feb 05, 2025
Date Reported : Feb 13, 2025
Report Number : 3215947-1

Page 2 of 2

Sample Number 255657-1
Sample Date Feb 05, 2025 11:55 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานลม แผนพัฒนาพื้นที่ทางทะเลบริเวณ 500 เมตร
Date Analysis Commenced Feb 05, 2025
Condition of Sample Contained in two plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.3	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	16.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Ekkachai Tuntong

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

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 255668
Date Received : Feb 05, 2025
Date Reported : Feb 13, 2025
Report Number : 3215950-1

Page 1 of 2

Sample Number 255668-1
Sample Date Feb 05, 2025 11:20 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานทดแทน โกลด์แอชในทางทิศตะวันตกห่าง 1,000 เมตร จลศ 1
Date Analysis Commenced Feb 05, 2025
Condition of Sample Contained in two plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	50740	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.7	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.9	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C1 (F)	Rayong
Salinity	ppt	-	0.1	32.0	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	30.4	Change from natural condition not more than 2 degree 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	33500	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	-	2	5	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 255668
Date Received : Feb 05, 2025
Date Reported : Feb 13, 2025
Report Number : 3215950-1

Page 2 of 2

Sample Number 255668-1
Sample Date Feb 05, 2025 11:20 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานทดแทน โกลด์แอชในทางทิศตะวันตกห่าง 1,000 เมตร จลศ 1
Date Analysis Commenced Feb 05, 2025
Condition of Sample Contained in two plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	4.8	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Ekkachai Tuntong

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

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255669
Date Received : Feb 05, 2025
Date Reported : Feb 13, 2025
Report Number : 3215955-1

Page 1 of 2

Sample Number 255669-1
Sample Date Feb 05, 2025 11:37 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานทดแทน โกลด์แอชในทางทิศตะวันตกห่าง 500 เมตร จลศ 2
Date Analysis Commenced Feb 05, 2025
Condition of Sample Contained in two plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	50740	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.8	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.7	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C1 (F)	Rayong
Salinity	ppt	-	0.1	30.6	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.5	Change from natural condition not more than 2 degree 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	33750	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	-	2	7	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255669
Date Received : Feb 05, 2025
Date Reported : Feb 13, 2025
Report Number : 3215955-1

Page 2 of 2

Sample Number 255669-1
Sample Date Feb 05, 2025 11:37 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานทดแทน โกลด์แอชในทางทิศตะวันตกห่าง 500 เมตร จลศ 2
Date Analysis Commenced Feb 05, 2025
Condition of Sample Contained in two plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	6.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Ekkachai Tuntong

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

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255673
Date Received : Feb 05, 2025
Date Reported : Feb 13, 2025
Report Number : 3215956-1

Page 1 of 2

Sample Number 255673-1
Sample Date Feb 05, 2025 11:45 AM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโดยเอกชน
Date Analysis Commenced Feb 05, 2025
Condition of Sample Contained in two plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	50390	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.4	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.6	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	31.1	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.4	Change from natural condition not more than 2 degree 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	34800	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	-	2	7	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255673
Date Received : Feb 05, 2025
Date Reported : Feb 13, 2025
Report Number : 3215956-1

Page 2 of 2

Sample Number 255673-1
Sample Date Feb 05, 2025 11:45 AM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโดยเอกชน
Date Analysis Commenced Feb 05, 2025
Condition of Sample Contained in two plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.1	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	5.4	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Ekkachai Tuntong

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255677
Date Received : Feb 05, 2025
Date Reported : Feb 13, 2025
Report Number : 3215958-1

Page 1 of 2

Sample Number 255677-1
Sample Date Feb 05, 2025 10:40 AM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโดยเอกชน
Date Analysis Commenced Feb 05, 2025
Condition of Sample Contained in two plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	49220	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.9	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.2	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	30.5	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	29.9	Change from natural condition not more than 2 degree 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	31650	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	-	2	<2	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255677
Date Received : Feb 05, 2025
Date Reported : Feb 13, 2025
Report Number : 3215958-1

Page 2 of 2

Sample Number 255677-1
Sample Date Feb 05, 2025 10:40 AM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโดยเอกชน
Date Analysis Commenced Feb 05, 2025
Condition of Sample Contained in two plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	3.2	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.7	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Ekkachai Tuntong

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeds
Scientist (4)

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10094-2U ENGL



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255685
Date Received : Feb 11, 2025
Date Reported : Feb 17, 2025
Report Number : 3215965-1

Page 1 of 2

Sample Number 255685-1
Sample Date Feb 11, 2025 1:25 PM
Sample Description Seawater
Location แหล่งน้ำทะเลจากอุตสาหกรรมชายฝั่งของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ โดยแนวเขื่อนป้องกันทางทิศตะวันตก 500 เมตร จุดที่ 1
Date Analysis Commenced Feb 11, 2025
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	49570	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.5	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.1	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Temperature	Degree C	-	-	31.0	Change from natural condition not more than 2 degree 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	34250	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Wanlop Hunchinaow

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeda
Scientist (4)

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10094-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255686
Date Received : Feb 26, 2025
Date Reported : Mar 03, 2025
Report Number : 3215967-1

Page 1 of 2

Sample Number 255686-1
Sample Date Feb 26, 2025 10:27 AM
Sample Description Seawater
Location แหล่งน้ำทะเลจากอุตสาหกรรมชายฝั่งของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ โดยแนวเขื่อนป้องกันทางทิศตะวันตก 500 เมตร จุดที่ 1
Date Analysis Commenced Feb 26, 2025
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	50220	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.5	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.8	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Temperature	Degree C	-	-	32.2	Change from natural condition not more than 2 degree 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	34500	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.3	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeda
Scientist (4)

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10094-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 255688
Date Received : Feb 11, 2025
Date Reported : Feb 17, 2025
Report Number : 3215968-1

Page 1 of 2

Sample Number 255688-1
Sample Date Feb 11, 2025 1:35 PM
Sample Description Seawater
Location แหล่งน้ำทะเลจากอุตสาหกรรมชายฝั่งของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ โดยแนวเขื่อนป้องกันทางทิศตะวันตก 500 เมตร
Date Analysis Commenced Feb 11, 2025
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	49160	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.8	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.0	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.5	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Temperature	Degree C	-	-	30.9	Change from natural condition not more than 2 degree 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	34600	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.6	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Wanlop Hunchinaow

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanna Seeda
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10094-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 255689
Date Received : Feb 26, 2025
Date Reported : Mar 03, 2025
Report Number : 3215969-1

Page 1 of 2

Sample Number 255689-1
Sample Date Feb 26, 2025 10:42 AM
Sample Description Seawater
Location แหล่งน้ำทะเลจากอุตสาหกรรมชายฝั่งของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ โดยแนวเขื่อนป้องกันทางทิศตะวันตก 500 เมตร
Date Analysis Commenced Feb 26, 2025
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	50080	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.4	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.0	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.4	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Temperature	Degree C	-	-	31.8	Change from natural condition not more than 2 degree 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	35800	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Kosin Khomwisat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanna Seeda
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10094-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 255691
Date Received : Feb 11, 2025
Date Reported : Feb 17, 2025
Report Number : 3215971-1

Page 1 of 2

Sample Number 255691-1
Sampled Date Feb 11, 2025 1:20 PM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานขยะบน โดเมนพื้นที่ป่าทางทิศตะวันตกฝั่ง 1,000 เมตร จุดที่ 1
Date Analysis Commenced Feb 11, 2025
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	49420	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.6	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.0	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.8	Change from natural condition not more than 2 degree 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	34250	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.8	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Wanlop Hunchinaow

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10004-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 255692
Date Received : Feb 26, 2025
Date Reported : Mar 03, 2025
Report Number : 3215973-1

Page 1 of 2

Sample Number 255692-1
Sampled Date Feb 26, 2025 10:23 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานขยะบน โดเมนพื้นที่ป่าทางทิศตะวันตกฝั่ง 1,000 เมตร จุดที่ 1
Date Analysis Commenced Feb 26, 2025
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	50050	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.2	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.5	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.6	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.2	Change from natural condition not more than 2 degree 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	35200	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Kosin Khomwisat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanna Seeds
Scientist (4)

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10004-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 255693
Date Received : Feb 11, 2025
Date Reported : Feb 17, 2025
Report Number : 3215974-1

Page 1 of 2

Sample Number 255693-1
Sampled Date Feb 11, 2025 1:30 PM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานขยะบน โดเมนพื้นที่ป่าทางทิศตะวันตกฝั่ง 500 เมตร จุดที่ 2
Date Analysis Commenced Feb 11, 2025
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	49370	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.5	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.7	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.6	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.3	Change from natural condition not more than 2 degree 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	34300	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.6	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Wanlop Hunchinaow

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10004-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 255694
Date Received : Feb 26, 2025
Date Reported : Mar 03, 2025
Report Number : 3215975-1

Page 1 of 2

Sample Number 255694-1
Sampled Date Feb 26, 2025 10:32 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานขยะบน โดเมนพื้นที่ป่าทางทิศตะวันตกฝั่ง 500 เมตร จุดที่ 2
Date Analysis Commenced Feb 26, 2025
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	50090	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.3	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.7	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.4	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.5	Change from natural condition not more than 2 degree 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	35650	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.2	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	0.9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Kosin Khomwisat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10004-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 255723
Date Received : Feb 11, 2025
Date Reported : Feb 17, 2025
Report Number : 3215980-1

Page 1 of 2

Sample Number 255723-1
Sample Date Feb 11, 2025 1:40 PM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโดยเอกชน
Date Analysis Commenced Feb 11, 2025
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	49450	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.9	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.4	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.8	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.0	Change from natural condition not more than 2 degree 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	33450	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.3	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Wanlop Hunchinaow

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 255724
Date Received : Feb 26, 2025
Date Reported : Mar 03, 2025
Report Number : 3215979-1

Page 1 of 2

Sample Number 255724-1
Sample Date Feb 26, 2025 10:37 AM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโดยเอกชน
Date Analysis Commenced Feb 26, 2025
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	50070	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.1	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.5	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.4	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.5	Change from natural condition not more than 2 degree 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	35550	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	1.9	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.1	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Kosin Khomwisat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 255729
Date Received : Feb 11, 2025
Date Reported : Feb 17, 2025
Report Number : 3215983-1

Page 1 of 2

Sample Number 255729-1
Sample Date Feb 11, 2025 1:10 PM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโดยเอกชน
Date Analysis Commenced Feb 11, 2025
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	49680	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.8	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.0	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.1	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.7	Change from natural condition not more than 2 degree 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	33100	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	3.9	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Wanlop Hunchinaow

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 255730
Date Received : Feb 26, 2025
Date Reported : Mar 03, 2025
Report Number : 3215982-1

Page 1 of 2

Sample Number 255730-1
Sample Date Feb 26, 2025 10:15 AM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโดยเอกชน
Date Analysis Commenced Feb 26, 2025
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	50190	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.4	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.0	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.8	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.5	Change from natural condition not more than 2 degree 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	35950	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	3.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.1	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Kosin Khomwisat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255732
Date Received : Feb 11, 2025
Date Reported : Feb 17, 2025
Report Number : 3218759-1

Page 1 of 2

Sample Number 255732-1
Sample Date Feb 11, 2025 1:00 PM
Sample Description Seawater
Location น้ำทะเลห่างจากชายฝั่งของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Feb 11, 2025
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	48520	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.5	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	8.0		7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.3	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	32.3		Change from natural condition not more than 2 degree 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	33350	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	2.8		Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.7	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Wanlop Hunchanaow

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255734
Date Received : Feb 26, 2025
Date Reported : Mar 03, 2025
Report Number : 3215986-1

Page 1 of 2

Sample Number 255734-1
Sample Date Feb 26, 2025 10:07 AM
Sample Description Seawater
Location น้ำทะเลห่างจากชายฝั่งของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Feb 26, 2025
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	50300	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.4	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	7.9		7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.3	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	32.5		Change from natural condition not more than 2 degree 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	33950	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	2.5		Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.1	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Kosin Khomwisat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255832
Date Received : Feb 19, 2025
Date Reported : Mar 14, 2025
Report Number : 3216044-1

Page 1 of 2

Sample Number 255832-1
Sample Date Feb 19, 2025 10:35 AM
Sample Description Seawater
Location แหล่งน้ำทะเลห่างจากชายฝั่งของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ 500 เมตร จุดที่ 1
Date Analysis Commenced Feb 19, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.002	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.001	0.003	Not Detected	≤0.008	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.001	0.003	0.13	≤0.3	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.000003	0.00005	Not Detected	≤0.0001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Selenium	mg/L	0.003	0.01	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
Conductivity at 25 Degree C	micromhos/cm	-	0.5	48380	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	8.8	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Petroleum Hydrocarbon	ug/L	0.02	0.05	0.24	≤5	Pre-Concentration, Fluorescence Spectrophotometric Method (IOC/UNESCO, 1984)	Bangkok

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Approved by

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Siriluk Burnak
Section Head

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255832
Date Received : Feb 19, 2025
Date Reported : Mar 14, 2025
Report Number : 3216044-1

Page 2 of 2

Sample Number 255832-1
Sample Date Feb 19, 2025 10:35 AM
Sample Description Seawater
Location แหล่งน้ำทะเลห่างจากชายฝั่งของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ 500 เมตร จุดที่ 1
Date Analysis Commenced Feb 19, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C	-	-	8.1		7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.4	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	30.4		Change from natural condition not more than 2 degree 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	34050	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	2.5		Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	4.7	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Sansoen Khuyoksu

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

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Approved by

Siriluk P.

Siriluk Burnak
Section Head

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255841
Date Received : Feb 19, 2025
Date Reported : Mar 14, 2025
Report Number : 3216077-1

Page 1 of 2

Sample Number	255841-1						
Sampled Date	Feb 19, 2025 10:15 AM						
Sample Description	Seawater						
Location	น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานทดแทนโดย แอวเรชีไฟฟ้าและพลังงาน 1,000 เมตร เขต 2						
Date Analysis Commenced	Feb 19, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.002	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.001	0.003	Not Detected	≤0.008	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.001	0.003	0.04	≤0.3	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.000003	0.00005	Not Detected	≤0.0001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Selenium	mg/L	0.003	0.01	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
Conductivity at 25 Degree C	micromhos/cm	-	0.5	49060	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	8.9	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Petroleum Hydrocarbon	ug/L	0.02	0.05	0.11	≤5	Pre-Concentration, Fluorescence Spectrophotometric Method (IOC/UNESCO, 1984)	Bangkok

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Siriluk P.
Siriluk Burnak
Section Head

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255841
Date Received : Feb 19, 2025
Date Reported : Mar 14, 2025
Report Number : 3216077-1

Page 2 of 2

Sample Number	255841-1						
Sampled Date	Feb 19, 2025 10:15 AM						
Sample Description	Seawater						
Location	น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานทดแทนโดย แอวเรชีไฟฟ้าและพลังงาน 1,000 เมตร เขต 2						
Date Analysis Commenced	Feb 19, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C	-	-	-	8.2	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Salinity	ppt	-	0.1	32.0	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	30.4	Change from natural condition not more than 2 degree 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	34900	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.8	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.5	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Sansoen Khuyiksuai

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Siriluk Burnak
Section Head

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255842
Date Received : Feb 19, 2025
Date Reported : Mar 14, 2025
Report Number : 3216075-1

Page 1 of 2

Sample Number	255842-1						
Sampled Date	Feb 19, 2025 9:35 AM						
Sample Description	Seawater						
Location	จุดระบายของโครงการโรงไฟฟ้าพลังงานทดแทนโดยแอวเรชี						
Date Analysis Commenced	Feb 19, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.002	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.001	0.003	Not Detected	≤0.008	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.001	0.003	0.04	≤0.3	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.000003	0.00005	Not Detected	≤0.0001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Selenium	mg/L	0.003	0.01	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
Conductivity at 25 Degree C	micromhos/cm	-	0.5	49290	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.7	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Petroleum Hydrocarbon	ug/L	0.02	0.05	0.13	≤5	Pre-Concentration, Fluorescence Spectrophotometric Method (IOC/UNESCO, 1984)	Bangkok

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Siriluk Burnak
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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255842
Date Received : Feb 19, 2025
Date Reported : Mar 14, 2025
Report Number : 3216075-1

Page 2 of 2

Sample Number	255842-1						
Sampled Date	Feb 19, 2025 9:35 AM						
Sample Description	Seawater						
Location	จุดระบายของโครงการโรงไฟฟ้าพลังงานทดแทนโดยแอวเรชี						
Date Analysis Commenced	Feb 19, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C	-	-	-	8.0	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Salinity	ppt	-	0.1	32.0	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	29.4	Change from natural condition not more than 2 degree 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	34750	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	3.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.9	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Anan Changsena

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

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255843
Date Received : Feb 19, 2025
Date Reported : Mar 14, 2025
Report Number : 3216073-1

Page 1 of 2

Sample Number	255843-1						
Sampled Date	Feb 19, 2025 10:45 AM						
Sample Description	Seawater						
Location	จุดระบายน้ำออกโรงโรงแปรรูปพลังงานทดแทนโดยแผนรณ						
Date Analysis Commenced	Feb 19, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.002	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.001	0.003	Not Detected	≤0.008	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.001	0.003	0.08	≤0.3	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.000003	0.00005	Not Detected	≤0.0001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Selenium	mg/L	0.003	0.01	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
Conductivity at 25 Degree C	micromhos/cm	-	0.5	49470	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.3	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Petroleum Hydrocarbon	ug/L	0.02	0.05	0.16	≤5	Pre-Concentration, Fluorescence Spectrophotometric Method (IOC/UNESCO, 1984)	Bangkok

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255843
Date Received : Feb 19, 2025
Date Reported : Mar 14, 2025
Report Number : 3216073-1

Page 2 of 2

Sample Number	255843-1						
Sampled Date	Feb 19, 2025 10:45 AM						
Sample Description	Seawater						
Location	จุดระบายน้ำออกโรงโรงแปรรูปพลังงานทดแทนโดยแผนรณ						
Date Analysis Commenced	Feb 19, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C	-	-	-	7.6	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Salinity	ppt	-	0.1	32.0	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.0	Change from natural condition not more than 2 degree C	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2520 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	35850	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.3	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.9	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Sansoen Khuiyoksu

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

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255844
Date Received : Feb 19, 2025
Date Reported : Mar 14, 2025
Report Number : 3216070-1

Page 1 of 2

Sample Number	255844-1						
Sampled Date	Feb 19, 2025 10:40 AM						
Sample Description	Seawater						
Location	แหล่งน้ำทะเลสาบจากธรรมชาติของโครงการโรงไฟฟ้าพลังงานทดแทน โดยแผนรณในทางทิศเหนือฝั่ง 500 เมตร จุดที่ 2						
Date Analysis Commenced	Feb 19, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.002	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.001	0.003	Not Detected	≤0.008	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.001	0.003	0.06	≤0.3	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.000003	0.00005	Not Detected	≤0.0001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Selenium	mg/L	0.003	0.01	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
Conductivity at 25 Degree C	micromhos/cm	-	0.5	49520	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.3	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Petroleum Hydrocarbon	ug/L	0.02	0.05	0.23	≤5	Pre-Concentration, Fluorescence Spectrophotometric Method (IOC/UNESCO, 1984)	Bangkok

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Siriluk Burnak
Section Head

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10804-2U ENGL



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255844
Date Received : Feb 19, 2025
Date Reported : Mar 14, 2025
Report Number : 3216070-1

Page 2 of 2

Sample Number	255844-1						
Sampled Date	Feb 19, 2025 10:40 AM						
Sample Description	Seawater						
Location	แหล่งน้ำทะเลสาบจากธรรมชาติของโครงการโรงไฟฟ้าพลังงานทดแทน โดยแผนรณในทางทิศเหนือฝั่ง 500 เมตร จุดที่ 2						
Date Analysis Commenced	Feb 19, 2025						
Condition of Sample	Contained in one amber glass bottle, two glass vials and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C	-	-	-	7.8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Salinity	ppt	-	0.1	31.9	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	30.3	Change from natural condition not more than 2 degree C	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2520 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	35850	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.6	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	4.1	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Sansoen Khuiyoksu

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Siriluk P.
Siriluk Burnak
Section Head

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10804-2U ENGL



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255845
Date Received : Feb 19, 2025
Date Reported : Mar 14, 2025
Report Number : 3216062-1

Page 1 of 2

Sample Number 255845-1
Sampled Date Feb 19, 2025 10:20 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากธรรมชาติของโครงการโรงไฟฟ้าพลังงานทดแทน โดเมนและรับในทางใต้ของเขต 1,000 เมตร จุดที่ 1
Date Analysis Commenced Feb 19, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.002	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.001	0.003	Not Detected	≤0.008	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.001	0.003	0.09	≤0.3	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.000003	0.00005	Not Detected	≤0.0001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Selenium	mg/L	0.003	0.01	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
Conductivity at 25 Degree C	micromhos/cm	-	0.5	49700	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.1	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Petroleum Hydrocarbon	ug/L	0.02	0.05	0.24	≤5	Pre-Concentration, Fluorescence Spectrophotometric Method (IOC/UNESCO, 1984)	Bangkok

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Siriluk P.
Siriluk Burmak
Section Head

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10804-21 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255845
Date Received : Feb 19, 2025
Date Reported : Mar 14, 2025
Report Number : 3216062-1

Page 2 of 2

Sample Number 255845-1
Sampled Date Feb 19, 2025 10:20 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากธรรมชาติของโครงการโรงไฟฟ้าพลังงานทดแทน โดเมนและรับในทางใต้ของเขต 1,000 เมตร จุดที่ 1
Date Analysis Commenced Feb 19, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C	-	-	-	7.8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (8)	Rayong
Salinity	ppt	-	0.1	32.4	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	30.3	Change from natural condition not more than 2 degree C	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2520 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	34850	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.6	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	7.4	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Sansoen Khuyoksui

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Siriluk Burmak
Section Head

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10804-21 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255846
Date Received : Feb 19, 2025
Date Reported : Mar 14, 2025
Report Number : 3216058-1

Page 1 of 2

Sample Number 255846-1
Sampled Date Feb 19, 2025 10:55 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากธรรมชาติของโครงการโรงไฟฟ้าพลังงานทดแทน โดเมนและรับในทางใต้ของเขต 500 เมตร
Date Analysis Commenced Feb 19, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.002	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.001	0.003	Not Detected	≤0.008	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.001	0.003	0.12	≤0.3	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.000003	0.00005	Not Detected	≤0.0001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Selenium	mg/L	0.003	0.01	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
Conductivity at 25 Degree C	micromhos/cm	-	0.5	47570	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	8.2	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Petroleum Hydrocarbon	ug/L	0.02	0.05	0.20	≤5	Pre-Concentration, Fluorescence Spectrophotometric Method (IOC/UNESCO, 1984)	Bangkok

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Section Head

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10804-21 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255846
Date Received : Feb 19, 2025
Date Reported : Mar 14, 2025
Report Number : 3216058-1

Page 2 of 2

Sample Number 255846-1
Sampled Date Feb 19, 2025 10:55 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากธรรมชาติของโครงการโรงไฟฟ้าพลังงานทดแทน โดเมนและรับในทางใต้ของเขต 500 เมตร
Date Analysis Commenced Feb 19, 2025
Condition of Sample Contained in one amber glass bottle, two glass vials and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C	-	-	-	8.0	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (8)	Rayong
Salinity	ppt	-	0.1	31.0	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	30.8	Change from natural condition not more than 2 degree C	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2520 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	32750	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	7.1	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Sansoen Khuyoksui

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

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Approved by

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Siriluk Burmak
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10804-21 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255871
Date Received : Feb 05, 2025
Date Reported : Feb 13, 2025
Report Number : 3216082-1

Page 1 of 2

Sample Number 255871-1
Sample Date Feb 05, 2025 12:15 PM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์แบบไทย และเขื่อนป้องกันตลิ่งเหนือใต้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Feb 05, 2025
Condition of Sample Contained in two plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	47890	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	9.4	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.4	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-CI (F)	Rayong
Salinity	ppt	-	0.1	29.8	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.7	Change from natural condition not more than 2 degree 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	32250	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	-	2	12	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanna Seeda
Scientist (4)

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10094-21/ENGL



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 255871
Date Received : Feb 05, 2025
Date Reported : Feb 13, 2025
Report Number : 3216082-1

Page 2 of 2

Sample Number 255871-1
Sample Date Feb 05, 2025 12:15 PM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์แบบไทย และเขื่อนป้องกันตลิ่งเหนือใต้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Feb 05, 2025
Condition of Sample Contained in two plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.7	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	9.9	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Ekkachai Tuntong

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanna Seeda
Scientist (4)

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10094-21/ENGL



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2514725
Date Received : Mar 05, 2025
Date Reported : Mar 12, 2025
Report Number : 3236489-1

Page 1 of 2

Sample Number 2514725-1
Sample Date Mar 05, 2025 11:28 AM
Sample Description Seawater
Location จุดนำทะเลของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์แบบไทย และเขื่อน
Date Analysis Commenced Mar 05, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	50460	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.5	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-CI (F)	Rayong
Salinity	ppt	-	0.1	32.6	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.6	Change from natural condition not more than 2 degree 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	33250	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	-	2	4	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanna Seeda
Scientist (4)

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10094-21/ENGL



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2514725
Date Received : Mar 05, 2025
Date Reported : Mar 12, 2025
Report Number : 3236489-1

Page 2 of 2

Sample Number 2514725-1
Sample Date Mar 05, 2025 11:28 AM
Sample Description Seawater
Location จุดนำทะเลของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์แบบไทย และเขื่อน
Date Analysis Commenced Mar 05, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	3.2	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	0.8	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Phongthep Sitthiloh

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanna Seeda
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2514748
Date Received : Mar 05, 2025
Date Reported : Mar 12, 2025
Report Number : 3236506-1

Page 1 of 2

Sample Number 2514748-1
Sample Date Mar 05, 2025 11:45 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากอุตสาหกรรมชายฝั่งของโครงการโรงไฟฟ้าพลังงานลม บนเกาะและเขื่อนในทางทิศตะวันตกเฉียงใต้ 500 เมตร จุฬ 1
Date Analysis Commenced Mar 05, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O-G	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	50320	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.8	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	8.0		7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	32.5	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.0	Change from natural condition not more than 2 degree 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	32900	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	-	2	6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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10004-2U ENGL



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2514748
Date Received : Mar 05, 2025
Date Reported : Mar 12, 2025
Report Number : 3236506-1

Page 2 of 2

Sample Number 2514748-1
Sample Date Mar 05, 2025 11:45 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากอุตสาหกรรมชายฝั่งของโครงการโรงไฟฟ้าพลังงานลม บนเกาะและเขื่อนในทางทิศตะวันตกเฉียงใต้ 500 เมตร จุฬ 1
Date Analysis Commenced Mar 05, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.3	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Phongthep Sittihoh

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeda
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10004-2U ENGL



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2514750
Date Received : Mar 05, 2025
Date Reported : Mar 12, 2025
Report Number : 3236511-1

Page 1 of 2

Sample Number 2514750-1
Sample Date Mar 05, 2025 11:52 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากอุตสาหกรรมชายฝั่งของโครงการโรงไฟฟ้าพลังงานลม บนเกาะและเขื่อนในทางทิศตะวันตก 500 เมตร
Date Analysis Commenced Mar 05, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O-G	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	49100	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	11.1	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	8.4		7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	31.5	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.8	Change from natural condition not more than 2 degree 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	34000	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	-	2	7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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10004-2U ENGL



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2514750
Date Received : Mar 05, 2025
Date Reported : Mar 12, 2025
Report Number : 3236511-1

Page 2 of 2

Sample Number 2514750-1
Sample Date Mar 05, 2025 11:52 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากอุตสาหกรรมชายฝั่งของโครงการโรงไฟฟ้าพลังงานลม บนเกาะและเขื่อนในทางทิศตะวันตก 500 เมตร
Date Analysis Commenced Mar 05, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	3.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Phongthep Sittihoh

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

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2514752
Date Received : Mar 05, 2025
Date Reported : Mar 12, 2025
Report Number : 3236512-1

Page 1 of 2

Sample Number 2514752-1
Sampled Date Mar 05, 2025 11:42 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากขยะระบายน้ำที่คลองโครงการโรงไฟฟ้าพลังงานถ่านหิน ณ โขดแนวเขื่อนในทางทิศตะวันออกของเขื่อน 1,000 เมตร จลศ 1
Date Analysis Commenced Mar 05, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O-G	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	50310	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.4	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.0	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	32.3	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.4	Change from natural condition not more than 2 degree 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	34550	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	-	2	7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2514752
Date Received : Mar 05, 2025
Date Reported : Mar 12, 2025
Report Number : 3236512-1

Page 2 of 2

Sample Number 2514752-1
Sampled Date Mar 05, 2025 11:42 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากขยะระบายน้ำที่คลองโครงการโรงไฟฟ้าพลังงานถ่านหิน ณ โขดแนวเขื่อนในทางทิศตะวันออกของเขื่อน 1,000 เมตร จลศ 1
Date Analysis Commenced Mar 05, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Phongthep Sittihoh

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

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2514754
Date Received : Mar 05, 2025
Date Reported : Mar 12, 2025
Report Number : 3236514-1

Page 1 of 2

Sample Number 2514754-1
Sampled Date Mar 05, 2025 11:46 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากขยะระบายน้ำที่คลองโครงการโรงไฟฟ้าพลังงานถ่านหิน ณ โขดแนวเขื่อนในทางทิศตะวันออกของเขื่อน 500 เมตร จลศ 2
Date Analysis Commenced Mar 05, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O-G	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	50270	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.4	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.9	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	32.2	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.7	Change from natural condition not more than 2 degree 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	34500	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	-	2	7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2514754
Date Received : Mar 05, 2025
Date Reported : Mar 12, 2025
Report Number : 3236514-1

Page 2 of 2

Sample Number 2514754-1
Sampled Date Mar 05, 2025 11:46 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากขยะระบายน้ำที่คลองโครงการโรงไฟฟ้าพลังงานถ่านหิน ณ โขดแนวเขื่อนในทางทิศตะวันออกของเขื่อน 500 เมตร จลศ 2
Date Analysis Commenced Mar 05, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.2	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Phongthep Sittihoh

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

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2514760
Date Received : Mar 05, 2025
Date Reported : Mar 12, 2025
Report Number : 3236516-1

Page 1 of 2

Sample Number 2514760-1
Sample Date Mar 05, 2025 11:49 AM
Sample Description Seawater
Location จอมชายหาดของโครงการโรงไฟฟ้าพลังงานทดแทนโคจบนนเรศวร
Date Analysis Commenced Mar 05, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	50180	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.1	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.7	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	32.5	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.1	Change from natural condition not more than 2 degree 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	34350	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	-	2	4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

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18094-2U ENGL



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2514760
Date Received : Mar 05, 2025
Date Reported : Mar 12, 2025
Report Number : 3236516-1

Page 2 of 2

Sample Number 2514760-1
Sample Date Mar 05, 2025 11:49 AM
Sample Description Seawater
Location จอมชายหาดของโครงการโรงไฟฟ้าพลังงานทดแทนโคจบนนเรศวร
Date Analysis Commenced Mar 05, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.2	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Phongthep Sittihoh

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

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18094-2U ENGL



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2514762
Date Received : Mar 05, 2025
Date Reported : Mar 13, 2025
Report Number : 3236519-1

Page 1 of 2

Sample Number 2514762-1
Sample Date Mar 05, 2025 10:58 AM
Sample Description Seawater
Location น้ำทะเลจากจอมชายหาดของโครงการโรงไฟฟ้าพลังงานทดแทนโคจบนนเรศวร และเขื่อนป่าสักชลสิทธิ์ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Mar 05, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	50170	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.5	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	32.1	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.1	Change from natural condition not more than 2 degree 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	34650	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	-	2	4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeda
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18094-2U ENGL



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2514762
Date Received : Mar 05, 2025
Date Reported : Mar 13, 2025
Report Number : 3236519-1

Page 2 of 2

Sample Number 2514762-1
Sample Date Mar 05, 2025 10:58 AM
Sample Description Seawater
Location น้ำทะเลจากจอมชายหาดของโครงการโรงไฟฟ้าพลังงานทดแทนโคจบนนเรศวร และเขื่อนป่าสักชลสิทธิ์ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Mar 05, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.6	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Phongthep Sittihoh

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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18094-2U ENGL



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2514771
Date Received : Mar 12, 2025
Date Reported : Mar 17, 2025
Report Number : 3236531-1

Page 1 of 2

Sample Number 2514771-1
Sampled Date Mar 12, 2025 2:46 PM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์แบบเดินตามระบบบำบัดน้ำเสีย 500 เมตร จุดที่ 1
Date Analysis Commenced Mar 12, 2025
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	49060	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.8	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.5	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.8	Change from natural condition not more than 2 degree 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	35050	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	1.8	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	6.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Anonwich Wongsachai

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10094-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2514772
Date Received : Mar 19, 2025
Date Reported : Mar 24, 2025
Report Number : 3236530-1

Page 1 of 2

Sample Number 2514772-1
Sampled Date Mar 19, 2025 11:20 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์แบบเดินตามระบบบำบัดน้ำเสีย 500 เมตร จุดที่ 1
Date Analysis Commenced Mar 19, 2025
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	50780	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.2	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.7	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.1	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	28.3	Change from natural condition not more than 2 degree 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	33600	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.3	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10094-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2514773
Date Received : Mar 26, 2025
Date Reported : Mar 29, 2025
Report Number : 3236529-1

Page 1 of 2

Sample Number 2514773-1
Sampled Date Mar 26, 2025 10:45 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์แบบเดินตามระบบบำบัดน้ำเสีย 500 เมตร จุดที่ 1
Date Analysis Commenced Mar 26, 2025
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	49830	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.3	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.7	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.0	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.3	Change from natural condition not more than 2 degree 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	35150	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	5.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Kosiin Khomwist

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10094-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2514777
Date Received : Mar 12, 2025
Date Reported : Mar 17, 2025
Report Number : 3236546-1

Page 1 of 2

Sample Number 2514777-1
Sampled Date Mar 12, 2025 2:54 PM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์แบบเดินตามระบบบำบัดน้ำเสีย 500 เมตร
Date Analysis Commenced Mar 12, 2025
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	48980	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	8.3	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.5	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.7	Change from natural condition not more than 2 degree 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	33950	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	1.8	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	4.9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Anonwich Wongsachai

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10094-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2514778
Date Received : Mar 19, 2025
Date Reported : Mar 24, 2025
Report Number : 3236543-1

Page 1 of 2

Sample Number 2514778-1
Sample Date Mar 19, 2025 11:50 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ โดยแนวเขื่อนป้องกันตลิ่งยาว 500 เมตร
Date Analysis Commenced Mar 19, 2025
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	50400	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.3	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.9	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	30.8	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	28.8	Change from natural condition not more than 2 degree 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	34550	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	1.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.7	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2514779
Date Received : Mar 26, 2025
Date Reported : Mar 29, 2025
Report Number : 3236541-1

Page 1 of 2

Sample Number 2514779-1
Sample Date Mar 26, 2025 10:56 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ โดยแนวเขื่อนป้องกันตลิ่งยาว 500 เมตร
Date Analysis Commenced Mar 26, 2025
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	50160	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.4	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.5	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.5	Change from natural condition not more than 2 degree 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	35850	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	4.4	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Kossin Khomwisat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2514792
Date Received : Mar 12, 2025
Date Reported : Mar 17, 2025
Report Number : 3236567-1

Page 1 of 2

Sample Number 2514792-1
Sample Date Mar 12, 2025 2:44 PM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ โดยแนวเขื่อนป้องกันตลิ่งยาว 1,000 เมตร จุดที่ 1
Date Analysis Commenced Mar 12, 2025
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	49100	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.6	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.7	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.3	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.4	Change from natural condition not more than 2 degree 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	34000	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	5.6	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Anonwich Wongachai

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeda
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2514793
Date Received : Mar 19, 2025
Date Reported : Mar 24, 2025
Report Number : 3236566-1

Page 1 of 2

Sample Number 2514793-1
Sample Date Mar 19, 2025 11:20 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ โดยแนวเขื่อนป้องกันตลิ่งยาว 1,000 เมตร จุดที่ 1
Date Analysis Commenced Mar 19, 2025
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	50590	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.2	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.7	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.2	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	28.3	Change from natural condition not more than 2 degree 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	34300	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.3	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeda
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2514794
Date Received : Mar 26, 2025
Date Reported : Mar 29, 2025
Report Number : 3236561-1

Page 1 of 2

Sample Number 2514794-1
Sample Date Mar 26, 2025 10:42 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ โดยแนวเขตในทางทิศบริเวณใต้ 1,000 เมตร จุดที่ 1
Date Analysis Commenced Mar 26, 2025
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	49980	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.3	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	7.7	7.7	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.6	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.1	Change from natural condition not more than 2 degree 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	36000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	4.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Kosiin Khomwisat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeds
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10094-2U (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2514800
Date Received : Mar 12, 2025
Date Reported : Mar 17, 2025
Report Number : 3236575-1

Page 1 of 2

Sample Number 2514800-1
Sample Date Mar 12, 2025 2:48 PM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ โดยแนวเขตในทางทิศบริเวณใต้ 500 เมตร จุดที่ 2
Date Analysis Commenced Mar 12, 2025
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	49020	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	8.0	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	7.9	7.9	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.3	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.0	Change from natural condition not more than 2 degree 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	34350	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	1.8	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	6.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Anonwong Wongsachai

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10094-2U (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2514801
Date Received : Mar 19, 2025
Date Reported : Mar 24, 2025
Report Number : 3236573-1

Page 1 of 2

Sample Number 2514801-1
Sample Date Mar 19, 2025 10:40 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ โดยแนวเขตในทางทิศบริเวณใต้ 500 เมตร จุดที่ 2
Date Analysis Commenced Mar 19, 2025
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	50540	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.7	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	7.6	7.6	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	30.7	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	28.4	Change from natural condition not more than 2 degree 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	34500	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2514802
Date Received : Mar 26, 2025
Date Reported : Mar 29, 2025
Report Number : 3236571-1

Page 1 of 2

Sample Number 2514802-1
Sample Date Mar 26, 2025 10:48 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ โดยแนวเขตในทางทิศบริเวณใต้ 500 เมตร จุดที่ 2
Date Analysis Commenced Mar 26, 2025
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	50010	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.3	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	7.6	7.6	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.7	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.6	Change from natural condition not more than 2 degree 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	35650	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.3	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	4.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Kosiin Khomwisat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanna Seeds
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10094-2U (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2514921
Date Received : Mar 12, 2025
Date Reported : Mar 17, 2025
Report Number : 3236961-1

Page 1 of 2

Sample Number 2514921-1
Sampled Date Mar 12, 2025 2:50 PM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโคเจนเนอเรชั่น
Date Analysis Commenced Mar 12, 2025
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	49040	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.8	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.6	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.5	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.8	Change from natural condition not more than 2 degree 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	36000	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	1.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	3.9	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Anonwich Wongsachai

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Approved by

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10004-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2514922
Date Received : Mar 19, 2025
Date Reported : Mar 24, 2025
Report Number : 3236956-1

Page 1 of 2

Sample Number 2514922-1
Sampled Date Mar 19, 2025 11:45 AM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโคเจนเนอเรชั่น
Date Analysis Commenced Mar 19, 2025
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	50530	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.1	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.2	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	29.9	Change from natural condition not more than 2 degree 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	34600	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.9	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Surawit Narapong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10004-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2514923
Date Received : Mar 26, 2025
Date Reported : Mar 31, 2025
Report Number : 3236953-1

Page 1 of 2

Sample Number 2514923-1
Sampled Date Mar 26, 2025 10:53 AM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโคเจนเนอเรชั่น
Date Analysis Commenced Mar 26, 2025
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	49980	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.4	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.5	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.7	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.7	Change from natural condition not more than 2 degree 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	35450	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	5.6	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Kosiin Khomwist

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanna Seeds
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10004-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2514924
Date Received : Mar 12, 2025
Date Reported : Mar 17, 2025
Report Number : 3236976-1

Page 1 of 2

Sample Number 2514924-1
Sampled Date Mar 12, 2025 2:30 PM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโคเจนเนอเรชั่น
Date Analysis Commenced Mar 12, 2025
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	49210	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.3	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.5	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.7	Change from natural condition not more than 2 degree 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	35250	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.2	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.4	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Anonwich Wongsachai

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10004-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2514925
Date Received : Mar 19, 2025
Date Reported : Mar 24, 2025
Report Number : 3236974-1

Page 1 of 2

Sample Number 2514925-1
Sample Date Mar 19, 2025 10:50 AM
Sample Description Seawater
Location จุฬาลงกรณ์มหาวิทยาลัย
Date Analysis Commenced Mar 19, 2025
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	50550	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.6	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.1	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	27.2	Change from natural condition not more than 2 degree 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	35000	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	3.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	0.8	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2514926
Date Received : Mar 26, 2025
Date Reported : Mar 31, 2025
Report Number : 3236969-1

Page 1 of 2

Sample Number 2514926-1
Sample Date Mar 26, 2025 10:32 AM
Sample Description Seawater
Location จุฬาลงกรณ์มหาวิทยาลัย
Date Analysis Commenced Mar 26, 2025
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	50050	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.4	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.2	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.2	Change from natural condition not more than 2 degree 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	35800	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.9	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Kossin Khomwisat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2514927
Date Received : Mar 12, 2025
Date Reported : Mar 17, 2025
Report Number : 3236981-1

Page 1 of 2

Sample Number 2514927-1
Sample Date Mar 12, 2025 2:11 PM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานความร้อนแบบโคเจนเนอเรชั่น
Date Analysis Commenced Mar 12, 2025
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	49250	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.4	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.0	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.2	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.8	Change from natural condition not more than 2 degree 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	34900	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	1.9	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.1	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Anonwich Wongachai

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2514928
Date Received : Mar 19, 2025
Date Reported : Mar 24, 2025
Report Number : 3236980-1

Page 1 of 2

Sample Number 2514928-1
Sample Date Mar 19, 2025 10:40 AM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานความร้อนแบบโคเจนเนอเรชั่น
Date Analysis Commenced Mar 19, 2025
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	50570	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.7	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	30.1	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	28.4	Change from natural condition not more than 2 degree 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	35000	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	0.6	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanna Seeds
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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2514929
Date Received : Mar 25, 2025
Date Reported : Mar 31, 2025
Report Number : 3236978-1

Page 1 of 2

Sample Number 2514929-1
Sample Date Mar 26, 2025 10:15 AM
Sample Description Seawater
Location แหล่งน้ำทะเลจากชุมชนน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานถ่านหินแบบโคเจน แลบริชไปทางทิศตะวันตกเฉียงใต้ 500 เมตร จุดที่ 2
Date Analysis Commenced Mar 26, 2025
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	50170	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.5	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.2	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.3	Change from natural condition not more than 2 degree 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	36050	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.6	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.8	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Kosiin Khomwisat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10094-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526130
Date Received : Apr 02, 2025
Date Reported : Apr 09, 2025
Report Number : 3262109-1

Page 1 of 2

Sample Number 2526130-1
Sample Date Apr 02, 2025 11:46 AM
Sample Description Seawater
Location แหล่งน้ำทะเลจากชุมชนน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานถ่านหินแบบโคเจนแลบริชไปทางทิศตะวันตกเฉียงใต้ 500 เมตร จุดที่ 1
Date Analysis Commenced Apr 02, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O (C)	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	50990	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.6	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.6	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Rayong
Salinity	ppt	-	0.1	32.3	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.5	Change from natural condition not more than 2 degree 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	32550	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	-	2	4	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10094-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526130
Date Received : Apr 02, 2025
Date Reported : Apr 09, 2025
Report Number : 3262109-1

Page 2 of 2

Sample Number 2526130-1
Sample Date Apr 02, 2025 11:46 AM
Sample Description Seawater
Location แหล่งน้ำทะเลจากชุมชนน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานถ่านหินแบบโคเจนแลบริชไปทางทิศตะวันตกเฉียงใต้ 500 เมตร จุดที่ 1
Date Analysis Commenced Apr 02, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.6	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	3.2	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Narunat thammascaro

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

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Scientist (4)

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10094-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526131
Date Received : Apr 02, 2025
Date Reported : Apr 09, 2025
Report Number : 3262110-1

Page 1 of 2

Sample Number 2526131-1
Sample Date Apr 02, 2025 11:55 AM
Sample Description Seawater
Location แหล่งน้ำทะเลจากชุมชนน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานถ่านหินแบบโคเจนแลบริชไปทางทิศตะวันตกเฉียงใต้ 500 เมตร
Date Analysis Commenced Apr 02, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O (C)	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	50510	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.7	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.9	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Rayong
Salinity	ppt	-	0.1	32.4	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.2	Change from natural condition not more than 2 degree 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	32450	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	-	2	<2	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeda
Scientist (4)

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10094-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526131
Date Received : Apr 02, 2025
Date Reported : Apr 09, 2025
Report Number : 3262111-1

Page 2 of 2

Sample Number 2526131-1
Sampled Date Apr 02, 2025 11:55 AM
Sample Description Seawater
Location แหล่งน้ำทะเลจากทุกระยะน้ำที่ของโครงการโรงไฟฟ้าพลังงานทดแทน โกลด์แอนด์ในทางทิศตะวันตก 500 เมตร
Date Analysis Commenced Apr 02, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.5	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Narunat thamasaro

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

Approved by

Photchanna S.

Photchanna Seeds
Scientist (4)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526133
Date Received : Apr 02, 2025
Date Reported : Apr 09, 2025
Report Number : 3262111-1

Page 1 of 2

Sample Number 2526133-1
Sampled Date Apr 02, 2025 11:42 AM
Sample Description Seawater
Location แหล่งน้ำทะเลจากทุกระยะน้ำที่ของโครงการโรงไฟฟ้าพลังงานทดแทน โกลด์แอนด์ในทางทิศตะวันตก 500 เมตร จุด 1
Date Analysis Commenced Apr 02, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	50980	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.6	≥4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	7.7	7.0-8.5		Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	32.6	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.1	Change from natural condition not more than 2 degree C	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	33950	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	-	2	3	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeds
Scientist (4)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526133
Date Received : Apr 02, 2025
Date Reported : Apr 09, 2025
Report Number : 3262111-1

Page 2 of 2

Sample Number 2526133-1
Sampled Date Apr 02, 2025 11:42 AM
Sample Description Seawater
Location แหล่งน้ำทะเลจากทุกระยะน้ำที่ของโครงการโรงไฟฟ้าพลังงานทดแทน โกลด์แอนด์ในทางทิศตะวันตก 500 เมตร จุด 1
Date Analysis Commenced Apr 02, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.6	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.8	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Narunat thamasaro

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

Approved by

Photchanna S.

Photchanna Seeds
Scientist (4)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526134
Date Received : Apr 02, 2025
Date Reported : Apr 09, 2025
Report Number : 3262113-1

Page 1 of 2

Sample Number 2526134-1
Sampled Date Apr 02, 2025 11:48 AM
Sample Description Seawater
Location แหล่งน้ำทะเลจากทุกระยะน้ำที่ของโครงการโรงไฟฟ้าพลังงานทดแทน โกลด์แอนด์ในทางทิศตะวันตก 500 เมตร จุด 2
Date Analysis Commenced Apr 02, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	50880	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.6	≥4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	7.5	7.0-8.5		Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	32.7	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.3	Change from natural condition not more than 2 degree C	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	33700	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	-	2	4	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeds
Scientist (4)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526134
Date Received : Apr 02, 2025
Date Reported : Apr 09, 2025
Report Number : 3262113-1

Page 2 of 2

Sample Number 2526134-1
Sampled Date Apr 02, 2025 11:48 AM
Sample Description Seawater
Location แหล่งน้ำคลองระยองท่าเรือไฟฟ้าพลังความร้อนแบบ โรงงานและรับน้ำทางทะเลบริเวณฝั่งใต้ 500 เมตร จุดที่ 2
Date Analysis Commenced Apr 02, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.6	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	3.9	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Narunat thamasaro

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

Approved by

Photchanna S.

Photchanna Seeda
Scientist (4)

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10094-22 (ENGL)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526135
Date Received : Apr 02, 2025
Date Reported : Apr 09, 2025
Report Number : 3262114-1

Page 1 of 2

Sample Number 2526135-1
Sampled Date Apr 02, 2025 11:52 AM
Sample Description Seawater
Location จุดรับน้ำคลองระยองท่าเรือไฟฟ้าพลังความร้อนแบบ โรงงานและรับ
Date Analysis Commenced Apr 02, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	50760	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.7	≥4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	7.4	7.0-8.5		Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-CI (F)	Rayong
Salinity	ppt	-	0.1	32.6	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.0	Change from natural condition not more than 2 degree 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	33250	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	-	2	4	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeda
Scientist (4)

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10094-22 (ENGL)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526135
Date Received : Apr 02, 2025
Date Reported : Apr 09, 2025
Report Number : 3262114-1

Page 2 of 2

Sample Number 2526135-1
Sampled Date Apr 02, 2025 11:52 AM
Sample Description Seawater
Location จุดรับน้ำคลองระยองท่าเรือไฟฟ้าพลังความร้อนแบบ โรงงานและรับ
Date Analysis Commenced Apr 02, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	4.9	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Narunat thamasaro

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

Approved by

Photchanna S.

Photchanna Seeda
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526136
Date Received : Apr 02, 2025
Date Reported : Apr 09, 2025
Report Number : 3262119-1

Page 1 of 2

Sample Number 2526136-1
Sampled Date Apr 02, 2025 11:30 AM
Sample Description Seawater
Location จุดรับน้ำคลองระยองท่าเรือไฟฟ้าพลังความร้อนแบบ โรงงานและรับ
Date Analysis Commenced Apr 02, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	50930	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.0	≥4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	8.0	7.0-8.5		Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-CI (F)	Rayong
Salinity	ppt	-	0.1	32.7	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.1	Change from natural condition not more than 2 degree 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	33000	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	-	2	<2	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeda
Scientist (4)

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10094-22 (ENGL)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526136
Date Received : Apr 02, 2025
Date Reported : Apr 09, 2025
Report Number : 3262119-1

Page 2 of 2

Sample Number 2526136-1
Sample Date Apr 02, 2025 11:30 AM
Sample Description Seawater
Location จุลินทรีย์และของตรรกการโรงไฟฟ้าพลังงานความร้อนแบบโคเจนและเรชี
Date Analysis Commenced Apr 02, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	3.3	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Narunat thamasaro

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Photchanna S.

Photchanna Seeds
Scientist (4)

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10094-20 (ENGL)

5-Report_ML_EN-gt (8-2000)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526136
Date Received : Apr 02, 2025
Date Reported : Apr 09, 2025
Report Number : 3262122-1

Page 1 of 2

Sample Number 2526136-1
Sample Date Apr 02, 2025 11:15 AM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำทิ้งของโรงการโรงไฟฟ้าพลังงานความร้อนแบบโคเจน และเรชีไปทางทิศตะวันตกใต้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Apr 02, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	50540	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.8	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (G)	Rayong
pH at 25 degree C	-	-	8.0	7.0-8.5		Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	33.0	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	30.8	Change from natural condition not more than 2 degree 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	34050	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	-	2	<2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanna Seeds
Scientist (4)

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10094-20 (ENGL)

5-Report_ML_EN-gt (8-2000)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526136
Date Received : Apr 02, 2025
Date Reported : Apr 09, 2025
Report Number : 3262122-1

Page 2 of 2

Sample Number 2526136-1
Sample Date Apr 02, 2025 11:15 AM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำทิ้งของโรงการโรงไฟฟ้าพลังงานความร้อนแบบโคเจน และเรชีไปทางทิศตะวันตกใต้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Apr 02, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.7	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	0.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Narunat thamasaro

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10094-20 (ENGL)

5-Report_ML_EN-gt (8-2000)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526146
Date Received : Apr 09, 2025
Date Reported : Apr 12, 2025
Report Number : 3262135-1

Page 1 of 2

Sample Number 2526146-1
Sample Date Apr 09, 2025 11:15 AM
Sample Description Seawater
Location แหล่งน้ำทะเลจากจุดระบายน้ำทิ้งของโรงการโรงไฟฟ้าพลังงานความร้อนแบบโคเจนและเรชีไปทางทิศตะวันตกใต้ 500 เมตร จุดที่ 1
Date Analysis Commenced Apr 09, 2025
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	49450	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.7	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (G)	Rayong
pH at 25 degree C	-	-	7.7	7.0-8.5		Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Salinity	ppt	-	0.1	31.7	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	34.7	Change from natural condition not more than 2 degree 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	33350	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.3	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Narunat thamasaro

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10094-20 (ENGL)

5-Report_ML_EN-gt (6-4000)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526147
Date Received : Apr 17, 2025
Date Reported : Apr 22, 2025
Report Number : 3262133-1

Page 1 of 2

Sample Number 2526147-1
Sample Date Apr 17, 2025 11:11 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากขยะน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานลม แบริ่นตอนเหนือใกล้ทางทิศตะวันตกฝั่ง 500 เมตร จุดที่ 1
Date Analysis Commenced Apr 17, 2025
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	48790	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	8.1	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.0	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.1	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.7	Change from natural condition not more than 2 degree 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	35700	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.8	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Nattawut Athomprammarat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10004-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526148
Date Received : Apr 23, 2025
Date Reported : Apr 26, 2025
Report Number : 3262131-1

Page 1 of 2

Sample Number 2526148-1
Sample Date Apr 23, 2025 11:10 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากขยะน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานลม แบริ่นตอนเหนือใกล้ทางทิศตะวันตกฝั่ง 500 เมตร จุดที่ 1
Date Analysis Commenced Apr 23, 2025
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	52150	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.9	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.6	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	36.5	Change from natural condition not more than 2 degree 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	36100	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.3	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Sayan Yattamung

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10004-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526150
Date Received : Apr 30, 2025
Date Reported : May 06, 2025
Report Number : 3262130-1

Page 1 of 2

Sample Number 2526150-1
Sample Date Apr 30, 2025 11:05 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากขยะน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานลม แบริ่นตอนเหนือใกล้ทางทิศตะวันตกฝั่ง 500 เมตร จุดที่ 1
Date Analysis Commenced Apr 30, 2025
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	49180	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.8	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.3	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.7	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	35.1	Change from natural condition not more than 2 degree 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	34900	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.2	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Remark :
- LOD : Limit of Detection

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10004-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526156
Date Received : Apr 30, 2025
Date Reported : May 06, 2025
Report Number : 3262136-1

Page 1 of 2

Sample Number 2526156-1
Sample Date Apr 30, 2025 11:20 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากขยะน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานลม แบริ่นตอนเหนือใกล้ทางทิศตะวันตกฝั่ง 500 เมตร
Date Analysis Commenced Apr 30, 2025
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	47580	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.4	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.0	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.4	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.6	Change from natural condition not more than 2 degree 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	34100	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Anan Changsiene

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10004-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2526158
Date Received : Apr 09, 2025
Date Reported : Apr 12, 2025
Report Number : 3262141-1

Page 1 of 2

Sample Number 2526158-1
Sample Date Apr 09, 2025 11:25 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานทดแทน โดแนมเชรชังบ้านห้วยตะรุเหล็ก 500 เมตร
Date Analysis Commenced Apr 09, 2025
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	49960	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.0	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.1	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	34.6	Change from natural condition not more than 2 degree 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	33300	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	0.6	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Narunat thammasaro

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10094-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2526159
Date Received : Apr 17, 2025
Date Reported : Apr 22, 2025
Report Number : 3262138-1

Page 1 of 2

Sample Number 2526159-1
Sample Date Apr 17, 2025 11:21 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานทดแทน โดแนมเชรชังบ้านห้วยตะรุเหล็ก 500 เมตร
Date Analysis Commenced Apr 17, 2025
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	48710	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.9	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.9	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.3	Change from natural condition not more than 2 degree 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	33800	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.8	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.9	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Nattawet Athompramarat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeda
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10094-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2526160
Date Received : Apr 23, 2025
Date Reported : Apr 26, 2025
Report Number : 3262137-1

Page 1 of 2

Sample Number 2526160-1
Sample Date Apr 23, 2025 11:40 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานทดแทน โดแนมเชรชังบ้านห้วยตะรุเหล็ก 500 เมตร
Date Analysis Commenced Apr 23, 2025
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	50960	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.9	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.6	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	35.0	Change from natural condition not more than 2 degree 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	35450	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.8	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Sayan Yattamrungs

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanna Seeda
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10094-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2526162
Date Received : Apr 09, 2025
Date Reported : Apr 12, 2025
Report Number : 3262147-1

Page 1 of 2

Sample Number 2526162-1
Sample Date Apr 09, 2025 11:05 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานทดแทน โดแนมเชรชังบ้านห้วยตะรุเหล็ก 1,000 เมตร จุดที่ 1
Date Analysis Commenced Apr 09, 2025
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	49900	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.0	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.6	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.2	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.1	Change from natural condition not more than 2 degree 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	34100	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.7	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Narunat thammasaro

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2526163
Date Received : Apr 17, 2025
Date Reported : Apr 22, 2025
Report Number : 3262146-1

Page 1 of 2

Sample Number 2526163-1
Sampled Date Apr 17, 2025 11:08 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากขยะน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานขยะแบบ ไบโกลแบริ่งในทางทิศตะวันตกของท่า 1,000 เมตร จุดที่ 1
Date Analysis Commenced Apr 17, 2025
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	49080	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.9	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.9	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Temperature	Degree C	-	-	33.2	Change from natural condition not more than 2 degree 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	34300	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.9	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Nattawut Athompranmarat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2526164
Date Received : Apr 23, 2025
Date Reported : Apr 26, 2025
Report Number : 3262145-1

Page 1 of 2

Sample Number 2526164-1
Sampled Date Apr 23, 2025 11:00 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากขยะน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานขยะแบบ ไบโกลแบริ่งในทางทิศตะวันตกของท่า 1,000 เมตร จุดที่ 1
Date Analysis Commenced Apr 23, 2025
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	51700	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.8	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.6	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.4	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Temperature	Degree C	-	-	35.8	Change from natural condition not more than 2 degree 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	35350	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Sayan Yattamung

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2526165
Date Received : Apr 30, 2025
Date Reported : May 06, 2025
Report Number : 3262143-1

Page 1 of 2

Sample Number 2526165-1
Sampled Date Apr 30, 2025 11:00 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากขยะน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานขยะแบบ ไบโกลแบริ่งในทางทิศตะวันตกของท่า 1,000 เมตร จุดที่ 1
Date Analysis Commenced Apr 30, 2025
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	49150	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.2	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.6	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.5	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Temperature	Degree C	-	-	34.1	Change from natural condition not more than 2 degree 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	36200	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Anan Changsiena

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanna Seeds
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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2526169
Date Received : Apr 09, 2025
Date Reported : Apr 12, 2025
Report Number : 3262154-1

Page 1 of 2

Sample Number 2526169-1
Sampled Date Apr 09, 2025 11:10 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากขยะน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานขยะแบบ ไบโกลแบริ่งในทางทิศตะวันตกของท่า 500 เมตร จุดที่ 2
Date Analysis Commenced Apr 09, 2025
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	49760	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.1	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.6	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.2	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Temperature	Degree C	-	-	33.9	Change from natural condition not more than 2 degree 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	33800	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.2	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Narunat thamasaro

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2526170
Date Received : Apr 17, 2025
Date Reported : Apr 22, 2025
Report Number : 3262152-1

Page 1 of 2

Sample Number 2526170-1
Sampled Date Apr 17, 2025 11:14 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ โดยแนวเขตป่าทางทิศตะวันตกอยู่ 500 เมตร จุดที่ 2
Date Analysis Commenced Apr 17, 2025
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	48840	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.6	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.1	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.6	Change from natural condition not more than 2 degree 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	35300	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.8	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	3.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Nattawut Athomprammarat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10094-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2526171
Date Received : Apr 23, 2025
Date Reported : Apr 26, 2025
Report Number : 3262150-1

Page 1 of 2

Sample Number 2526171-1
Sampled Date Apr 23, 2025 11:20 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ โดยแนวเขตป่าทางทิศตะวันตกอยู่ 500 เมตร จุดที่ 2
Date Analysis Commenced Apr 23, 2025
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	51020	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.8	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.7	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.2	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	36.2	Change from natural condition not more than 2 degree 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	35200	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.2	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Sayan Yattamung

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanna Seeds
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10094-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2526172
Date Received : Apr 30, 2025
Date Reported : May 06, 2025
Report Number : 3262149-1

Page 1 of 2

Sample Number 2526172-1
Sampled Date Apr 30, 2025 11:10 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ โดยแนวเขตป่าทางทิศตะวันตกอยู่ 500 เมตร จุดที่ 2
Date Analysis Commenced Apr 30, 2025
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	48880	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.0	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.3	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.6	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	34.6	Change from natural condition not more than 2 degree 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	35850	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Anan Changsiena

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10094-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2526174
Date Received : Apr 09, 2025
Date Reported : Apr 12, 2025
Report Number : 3262158-1

Page 1 of 2

Sample Number 2526174-1
Sampled Date Apr 09, 2025 11:20 AM
Sample Description Seawater
Location จุฑาราชมณฑลของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์โดยแนวเขตป่า
Date Analysis Commenced Apr 09, 2025
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	49900	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.9	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.2	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.2	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	34.3	Change from natural condition not more than 2 degree 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	34100	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.2	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Narunat thamasaro

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10094-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2526175
Date Received : Apr 17, 2025
Date Reported : Apr 22, 2025
Report Number : 3262157-1

Page 1 of 2

Sample Number 2526175-1
Sampled Date Apr 17, 2025 11:17 AM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโคเจนเนอเรชั่น
Date Analysis Commenced Apr 17, 2025
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	49260	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.6	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.2	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	34.1	Change from natural condition not more than 2 degree 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	36650	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.8	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Nattawut Athomprammarat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10004-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2526176
Date Received : Apr 23, 2025
Date Reported : Apr 26, 2025
Report Number : 3262156-1

Page 1 of 2

Sample Number 2526176-1
Sampled Date Apr 23, 2025 11:30 AM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโคเจนเนอเรชั่น
Date Analysis Commenced Apr 23, 2025
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	51390	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.8	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.5	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.3	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	36.9	Change from natural condition not more than 2 degree 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	35300	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.3	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Sayan Yattamung

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10004-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2526177
Date Received : Apr 30, 2025
Date Reported : May 06, 2025
Report Number : 3262155-1

Page 1 of 2

Sample Number 2526177-1
Sampled Date Apr 30, 2025 11:15 AM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโคเจนเนอเรชั่น
Date Analysis Commenced Apr 30, 2025
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	48860	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.0	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.4	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	35.1	Change from natural condition not more than 2 degree 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	35500	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.6	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Anan Changsena

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10004-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2526182
Date Received : Apr 09, 2025
Date Reported : Apr 12, 2025
Report Number : 3262168-1

Page 1 of 2

Sample Number 2526182-1
Sampled Date Apr 09, 2025 11:20 AM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโคเจนเนอเรชั่น
Date Analysis Commenced Apr 09, 2025
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	50100	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.1	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.0	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.3	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	34.1	Change from natural condition not more than 2 degree 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	30950	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	3.1	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	0.6	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Narunat thamasaro

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10004-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2526183
Date Received : Apr 17, 2025
Date Reported : Apr 22, 2025
Report Number : 3262166-1

Page 1 of 2

Sample Number 2526183-1
Sample Date Apr 17, 2025 10:54 AM
Sample Description Seawater
Location จดหมายขอใบรับรองการตรวจวิเคราะห์คุณภาพสิ่งแวดล้อมโดยเอกชน
Date Analysis Commenced Apr 17, 2025
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	49330	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.2	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.8	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.7	Change from natural condition not more than 2 degree 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	36700	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	3.1	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Nattawut Athomprammarat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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10004-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2526184
Date Received : Apr 23, 2025
Date Reported : Apr 26, 2025
Report Number : 3262164-1

Page 1 of 2

Sample Number 2526184-1
Sample Date Apr 23, 2025 10:40 AM
Sample Description Seawater
Location จดหมายขอใบรับรองการตรวจวิเคราะห์คุณภาพสิ่งแวดล้อมโดยเอกชน
Date Analysis Commenced Apr 23, 2025
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	51860	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.9	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.4	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	35.7	Change from natural condition not more than 2 degree 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	34900	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	3.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	0.9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Sayan Yattamung

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10004-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2526185
Date Received : Apr 30, 2025
Date Reported : May 06, 2025
Report Number : 3262160-1

Page 1 of 2

Sample Number 2526185-1
Sample Date Apr 30, 2025 10:40 AM
Sample Description Seawater
Location จดหมายขอใบรับรองการตรวจวิเคราะห์คุณภาพสิ่งแวดล้อมโดยเอกชน
Date Analysis Commenced Apr 30, 2025
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	48800	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.2	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.9	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.9	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.9	Change from natural condition not more than 2 degree 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	35250	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	3.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	0.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Anan Changsiena

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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10004-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526187
Date Received : Apr 09, 2025
Date Reported : Apr 12, 2025
Report Number : 3262181-1

Page 1 of 2

Sample Number 2526187-1
Sample Date Apr 09, 2025 10:20 AM
Sample Description Seawater
Location นำผลส่งจากจุดตรวจน้ำของโครงการโรงไฟฟ้าพลังงานถ่านหินโดย แอลเอสไปยังห้องปฏิบัติการได้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Apr 09, 2025
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	49880	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.0	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.0	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.3	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.6	Change from natural condition not more than 2 degree 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	34150	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	0.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Narunat thamasaro

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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10004-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526188
Date Received : Apr 17, 2025
Date Reported : Apr 22, 2025
Report Number : 3262178-1

Page 1 of 2

Sample Number 2526188-1
Sampled Date Apr 17, 2025 10:39 AM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ และเขื่อนป่าสักชลสิทธิ์เดิม 1,000 เมตร จุดที่ 2
Date Analysis Commenced Apr 17, 2025
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	-	05	49370	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	01	72	≥4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	01	327	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	329	Change from natural condition not more than 2 degree 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	36500	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	30	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	01	20	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, BE2564 : Coastal Water Quality Standard Class 5)

Sampling By : Nattawat Ahomprommarat

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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5/Report_ML_Sup (1-5/09)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526189
Date Received : Apr 23, 2025
Date Reported : Apr 26, 2025
Report Number : 3262178-1

Page 1 of 2

Sample Number 2526189-1
Sampled Date Apr 23, 2025 10:30 AM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ และเขื่อนป่าสักชลสิทธิ์เดิม 1,000 เมตร จุดที่ 2
Date Analysis Commenced Apr 23, 2025
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	52360	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.0	≥4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.7	7.0-8.5	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.6	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	36.6	Change from natural condition not more than 2 degree 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	35700	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.0	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Sayan Yattamung

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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5/Report_ML_Sup (11-12/04)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2526190
Date Received : Apr 30, 2025
Date Reported : May 06, 2025
Report Number : 3262176-1

Page 1 of 2

Sample Number 2526190-1
Sampled Date Apr 30, 2025 10:30 AM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ และเขื่อนป่าสักชลสิทธิ์เดิม 500 เมตร จุดที่ 2
Date Analysis Commenced Apr 30, 2025
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	48900	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.3	≥4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.6	7.0-8.5	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.1	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.5	Change from natural condition not more than 2 degree 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	34500	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.7	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.4	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Anan Changsena

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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5/Report_ML_Sup (4-6/09)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2540531
Date Received : May 14, 2025
Date Reported : May 19, 2025
Report Number : 3294036-1

Page 1 of 2

Sample Number 2540531-1
Sampled Date May 14, 2025 11:03 AM
Sample Description Seawater
Location แหล่งน้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ และเขื่อนป่าสักชลสิทธิ์เดิม 500 เมตร จุดที่ 1
Date Analysis Commenced May 14, 2025
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	48710	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.7	≥4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.5	7.0-8.5	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.2	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.5	Change from natural condition not more than 2 degree 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	27500	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	9.4	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Suphanat Sakulittimasak

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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1009-20 (ENGL)

5/Report_ML_Sup (8-10/04)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2540532
Date Received : May 21, 2025
Date Reported : May 26, 2025
Report Number : 3294035-1

Page 1 of 2

Sample Number 2540532-1
Sample Date May 21, 2025 12:55 PM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานถ่านหินแบบโคเจนเนอเรชันใกล้เขตชุมชนวัด 500 เมตร จุดที่ 1
Date Analysis Commenced May 21, 2025
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	48470	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.2	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.9	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	30.8	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.2	Change from natural condition not more than 2 degree 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	33550	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.2	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Sansoen Khuyokul

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540533
Date Received : May 28, 2025
Date Reported : May 31, 2025
Report Number : 3294031-1

Page 1 of 2

Sample Number 2540533-1
Sample Date May 28, 2025 11:15 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานถ่านหินแบบโคเจนเนอเรชันใกล้เขตชุมชนวัด 500 เมตร จุดที่ 1
Date Analysis Commenced May 28, 2025
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	46980	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.4	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.5	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	30.4	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	29.1	Change from natural condition not more than 2 degree 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	32450	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.6	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Thanasoun Namakuna

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Approved by

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Photchana Seda
Scientist (4)

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540535
Date Received : May 07, 2025
Date Reported : Jun 05, 2025
Report Number : 3294040-1

Page 1 of 3

Sample Number 2540535-1
Sample Date May 07, 2025 9:58 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานถ่านหินแบบโคเจนเนอเรชันใกล้เขตชุมชนวัด 500 เมตร จุดที่ 1
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in two glass vials, two amber glass bottles 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							
Arsenic	mg/L	0.002	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0009	0.003	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.001	0.003	Not Detected	≤0.008	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.001	0.003	0.05	≤0.3	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.001	0.003	Not Detected	≤0.0085	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.000003	0.00005	<0.00005	≤0.0001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Selenium	mg/L	0.003	0.01	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Siriluk P.

Siriluk Burnak
Section Head

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



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540535
Date Received : May 07, 2025
Date Reported : Jun 05, 2025
Report Number : 3294040-1

Page 2 of 3

Sample Number 2540535-1
Sample Date May 07, 2025 9:58 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานถ่านหินแบบโคเจนเนอเรชันใกล้เขตชุมชนวัด 500 เมตร จุดที่ 1
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - G	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	48780	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.2	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
Petroleum Hydrocarbon	ug/L	0.02	0.05	0.56	≤5	Pre-Concentration, Fluorescence Spectrophotometric Method (EPA/821-R-03-001)	Bangkok
pH at 25 degree C	-	-	-	7.6	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	31.6	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.1	Change from natural condition not more than 2 degree 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	35050	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Siriluk P.

Siriluk Burnak
Section Head

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540535
Date Received : May 07, 2025
Date Reported : May 27, 2025
Report Number : 3294042-1

Page 3 of 3

Sample Number	2540535-1
Sampled Date	May 07, 2025 9:58 AM
Sample Description	Seawater
Location	แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานถ่านหิน โกลด์เนมเชนในทางทิศตะวันตก 500 เมตร
Date Analysis Commenced	May 07, 2025
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	2	4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	4.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Wasan Kinunti

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

Approved by

Siriluk P.
Siriluk Burmak
Section Head

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10094-2U (ENGL)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540539
Date Received : May 07, 2025
Date Reported : May 27, 2025
Report Number : 3294042-1

Page 1 of 3

Sample Number	2540539-1
Sampled Date	May 07, 2025 10:29 AM
Sample Description	Seawater
Location	แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานถ่านหิน โกลด์เนมเชนในทางทิศตะวันตก 500 เมตร
Date Analysis Commenced	May 07, 2025
Condition of Sample	Contained in two glass vials, two amber glass bottles 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							
Arsenic	mg/L	0.002	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0009	0.003	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.001	0.003	Not Detected	≤0.008	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.001	0.003	0.03	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.001	0.003	Not Detected	≤0.0085	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.000003	0.00005	<0.00005	≤0.0001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Selenium	mg/L	0.003	0.01	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Water Testing

Approved by

Siriluk P.
Siriluk Burmak
Section Head

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10094-2U (ENGL)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540539
Date Received : May 07, 2025
Date Reported : May 27, 2025
Report Number : 3294042-1

Page 2 of 3

Sample Number	2540539-1
Sampled Date	May 07, 2025 10:29 AM
Sample Description	Seawater
Location	แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานถ่านหิน โกลด์เนมเชนในทางทิศตะวันตก 500 เมตร
Date Analysis Commenced	May 07, 2025
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	49150	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.4	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (G)	Rayong
Petroleum Hydrocarbon	ug/L	0.02	0.05	0.85	≤5		Bangkok
pH at 25 degree C	-	-	-	7.8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	31.6	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.2	Change from natural condition not more than 2 degree 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	34900	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Siriluk Burmak
Section Head

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540539
Date Received : May 07, 2025
Date Reported : May 27, 2025
Report Number : 3294042-1

Page 3 of 3

Sample Number	2540539-1
Sampled Date	May 07, 2025 10:29 AM
Sample Description	Seawater
Location	แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานถ่านหิน โกลด์เนมเชนในทางทิศตะวันตก 500 เมตร
Date Analysis Commenced	May 07, 2025
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	2	4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	3.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Wasan Kinunti

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

Approved by

Siriluk P.
Siriluk Burmak
Section Head

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10094-2U (ENGL)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2540540
Date Received : May 14, 2025
Date Reported : May 19, 2025
Report Number : 3294045-1

Page 1 of 2

Sample Number 2540540-1
Sample Date May 14, 2025 11:21 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ โดยแนวเขื่อนป่าหวดทะเลสาบ 500 เมตร
Date Analysis Commenced May 14, 2025
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	49120	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.7	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.7	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.2	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.6	Change from natural condition not more than 2 degree 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	31650	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	4.5	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Suphanat Sakulittimasak

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeda
Scientist (4)

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10094-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2540541
Date Received : May 21, 2025
Date Reported : May 26, 2025
Report Number : 3294044-1

Page 1 of 2

Sample Number 2540541-1
Sample Date May 21, 2025 1:01 PM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ โดยแนวเขื่อนป่าหวดทะเลสาบ 500 เมตร
Date Analysis Commenced May 21, 2025
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	48370	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.3	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.0	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.8	Change from natural condition not more than 2 degree 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	33250	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.3	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.8	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Sansoen Khuyuksul

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeda
Scientist (4)

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10094-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location :

Lot ID: 2540542
Date Received : May 28, 2025
Date Reported : May 31, 2025
Report Number : 3294043-1

Page 1 of 2

Sample Number 2540542-1
Sample Date May 28, 2025 11:25 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ โดยแนวเขื่อนป่าหวดทะเลสาบ 500 เมตร
Date Analysis Commenced May 28, 2025
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	45020	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.5	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	28.8	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	29.1	Change from natural condition not more than 2 degree 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	30300	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	3.9	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Thansoun Namakunna

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanna Seeda
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10094-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2540544
Date Received : May 14, 2025
Date Reported : May 19, 2025
Report Number : 3294048-1

Page 1 of 2

Sample Number 2540544-1
Sample Date May 14, 2025 11:05 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ โดยแนวเขื่อนป่าหวดทะเลสาบ 1,000 เมตร จุดที่ 1
Date Analysis Commenced May 14, 2025
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	49380	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.0	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.5	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.5	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	30.0	Change from natural condition not more than 2 degree 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	32350	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.6	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	7.1	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Suphanat Sakulittimasak

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10094-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location :

Lot ID: 2540545
Date Received : May 21, 2025
Date Reported : May 26, 2025
Report Number : 3294047-1

Page 1 of 2

Sample Number 2540545-1
Sample Date May 21, 2025 12:50 PM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานทดแทน โกลด์แอนด์โซลาร์พาร์คเขตอุตสาหกรรม 1,000 เมตร จลศ 1
Date Analysis Commenced May 21, 2025
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	48620	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.3	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (G)	Rayong
pH at 25 degree C	-	-	-	7.9	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Salinity	ppt	-	0.1	30.7	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.0	Change from natural condition not more than 2 degree 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	34200	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Sansoen Khuyokul

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location :

Lot ID: 2540546
Date Received : May 28, 2025
Date Reported : May 31, 2025
Report Number : 3294046-1

Page 1 of 2

Sample Number 2540546-1
Sample Date May 28, 2025 11:35 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานทดแทน โกลด์แอนด์โซลาร์พาร์คเขตอุตสาหกรรม 1,000 เมตร จลศ 1
Date Analysis Commenced May 28, 2025
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	45600	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.1	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (G)	Rayong
pH at 25 degree C	-	-	-	7.8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Salinity	ppt	-	0.1	29.6	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	29.0	Change from natural condition not more than 2 degree 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	31700	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	4.9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Thanasoun Namakuna

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540547
Date Received : May 07, 2025
Date Reported : May 27, 2025
Report Number : 3294064-1

Page 1 of 3

Sample Number 2540547-1
Sample Date May 07, 2025 9:52 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานทดแทน โกลด์แอนด์โซลาร์พาร์คเขตอุตสาหกรรม 1,000 เมตร จลศ 1
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in two glass vials, two amber glass 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							
Arsenic	mg/L	0.002	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0009	0.003	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.001	0.003	Not Detected	≤0.008	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.001	0.003	0.04	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.001	0.003	Not Detected	≤0.0085	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.000003	0.00005	<0.00005	≤0.0001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Selenium	mg/L	0.003	0.01	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Water Testing

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Siriluk Burmak
Section Head

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540547
Date Received : May 07, 2025
Date Reported : May 27, 2025
Report Number : 3294064-1

Page 2 of 3

Sample Number 2540547-1
Sample Date May 07, 2025 9:52 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานทดแทน โกลด์แอนด์โซลาร์พาร์คเขตอุตสาหกรรม 1,000 เมตร จลศ 1
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in two glass vials, two amber glass 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							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - G	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	48840	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.2	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (G)	Rayong
Petroleum Hydrocarbon	ug/L	0.02	0.05	0.48	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Bangkok
pH at 25 degree C	-	-	-	7.6	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	31.7	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Sulfate	mg/L	0.6	2	2705	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-SO4 (E)	Rayong
Temperature	Degree C	-	-	34.4	Change from natural condition not more than 2 degree C	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540547
Date Received : May 07, 2025
Date Reported : May 27, 2025
Report Number : 3294064-1

Page 3 of 3

Sample Number 2540547-1
Sampled Date May 07, 2025 9:52 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานทดแทน โดยแนวเขื่อนป่าทางทิศตะวันตกฝั่งใต้ 1,000 เมตร จุดที่ 1
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in two glass vials, two amber glass 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							
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	35450	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	-	2	3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong
Transparency	m	-	-	2.7	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	3.9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Wasan Kiruntri

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

Approved by

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Siriluk Dumnak
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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2540553
Date Received : May 14, 2025
Date Reported : May 19, 2025
Report Number : 3294088-1

Page 1 of 2

Sample Number 2540553-1
Sampled Date May 14, 2025 11:29 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานทดแทน โดยแนวเขื่อนป่าทางทิศตะวันตกฝั่งใต้ 500 เมตร จุดที่ 2
Date Analysis Commenced May 14, 2025
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	48720	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.8	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.6	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.1	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.6	Change from natural condition not more than 2 degree 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	31300	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.2	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	8.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Suphanat Sakulittimasak

Approved by

Photchana S.
Photchana Seeda
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2540554
Date Received : May 21, 2025
Date Reported : May 26, 2025
Report Number : 3294087-1

Page 1 of 2

Sample Number 2540554-1
Sampled Date May 21, 2025 12:56 PM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานทดแทน โดยแนวเขื่อนป่าทางทิศตะวันตกฝั่งใต้ 500 เมตร จุดที่ 2
Date Analysis Commenced May 21, 2025
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	48560	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.2	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	30.4	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.3	Change from natural condition not more than 2 degree 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	33750	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.1	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Sansoen Khuyokul

Approved by

Photchana S.
Photchana Seeda
Scientist (4)

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10004-22 (ENGL) S:\Report\AL_GL-01 (10-0704)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location :

Lot ID: 2540555
Date Received : May 29, 2025
Date Reported : May 31, 2025
Report Number : 3294086-1

Page 1 of 2

Sample Number 2540555-1
Sampled Date May 28, 2025 11:20 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานทดแทน โดยแนวเขื่อนป่าทางทิศตะวันตกฝั่งใต้ 500 เมตร จุดที่ 2
Date Analysis Commenced May 28, 2025
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	46860	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.8	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.4	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	30.8	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	29.4	Change from natural condition not more than 2 degree 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	33400	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.3	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Thanasoon Namakunna

Approved by

Photchana S.
Photchana Seeda
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, 1-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location: Phase5

Lot ID: 2540556
Date Received : May 07, 2025
Date Reported : May 27, 2025
Report Number : 3294089-1

Page 1 of 3

Sample Number 2540556-1
Sampled Date May 07, 2025 10:05 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานทดแทน โดยแนวเขื่อนป้องกันตลิ่งยาวประมาณ 500 เมตร จุดที่ 2
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in two glass vials, two amber glass bottles 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							
Arsenic	mg/L	0.002	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0009	0.003	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.001	0.003	Not Detected	≤0.008	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.001	0.003	0.07	≤0.3	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.001	0.003	Not Detected	≤0.0085	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.000003	0.00005	<0.00005	≤0.0001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Selenium	mg/L	0.003	0.01	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Water Testing

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Siriluk P.

Siriluk Burmak
Section Head

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10804-20 (ENGL)

5/Report_ML_SG-01 (10-07/2019)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, 1-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location: Phase5

Lot ID: 2540556
Date Received : May 07, 2025
Date Reported : May 27, 2025
Report Number : 3294089-1

Page 2 of 3

Sample Number 2540556-1
Sampled Date May 07, 2025 10:05 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานทดแทน โดยแนวเขื่อนป้องกันตลิ่งยาวประมาณ 500 เมตร จุดที่ 2
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	48910	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.2	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (G)	Rayong
Petroleum Hydrocarbon	ug/L	0.02	0.05	0.74	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (G)	Bangkok
pH at 25 degree C	-	-	-	7.5	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	31.8	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	34.3	Change from natural condition not more than 2 degree 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	34600	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Siriluk Burmak
Section Head

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10804-20 (ENGL)

5/Report_ML_SG-01 (10-07/2019)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, 1-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location: Phase5

Lot ID: 2540556
Date Received : May 07, 2025
Date Reported : May 27, 2025
Report Number : 3294089-1

Page 3 of 3

Sample Number 2540556-1
Sampled Date May 07, 2025 10:05 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานทดแทน โดยแนวเขื่อนป้องกันตลิ่งยาวประมาณ 500 เมตร จุดที่ 2
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	2	5	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong
Transparency	m	-	-	2.3	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	5.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Wasan Kintuti

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Siriluk P.

Siriluk Burmak
Section Head

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10804-20 (ENGL)

5/Report_ML_SG-01 (10-07/2019)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, 1-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2540622
Date Received : May 14, 2025
Date Reported : May 19, 2025
Report Number : 3294329-1

Page 1 of 2

Sample Number 2540622-1
Sampled Date May 14, 2025 11:15 AM
Sample Description Seawater
Location จุฬาราชมนตรีอุตสาหกรรมน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานทดแทนโดยแนวเขื่อน
Date Analysis Commenced May 14, 2025
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	48940	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.6	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (G)	Rayong
pH at 25 degree C	-	-	-	7.5	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Salinity	ppt	-	0.1	31.2	Change from lower salinity not more than 10‰	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.3	Change from natural condition not more than 2 degree 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	32250	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.1	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	7.6	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Suphanat Sakulittimasak

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchan S.

Photchan Seeda
Scientist (4)

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10804-20 (ENGL)

5/Report_ML_SG-01 (10-07/2019)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location :

Lot ID: 2540623
Date Received : May 21, 2025
Date Reported : May 26, 2025
Report Number : 3294328-1

Page 1 of 2

Sample Number 2540623-1
Sample Date May 21, 2025 12:58 PM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโดยชนบท
Date Analysis Commenced May 21, 2025
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	48440	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.1	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (G)	Rayong
pH at 25 degree C	-	-	-	7.6	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	30.6	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	34.2	Change from natural condition not more than 2 degree 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	33800	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Sansoon Khuyakul

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchana S.

Photchana Seda
Scientist (4)

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S:\Report\AL_SG_01 (9-5840)

1004-2U (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location :

Lot ID: 2540624
Date Received : May 28, 2025
Date Reported : May 31, 2025
Report Number : 3294327-1

Page 1 of 2

Sample Number 2540624-1
Sample Date May 28, 2025 11:10 AM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโดยชนบท
Date Analysis Commenced May 28, 2025
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	46870	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.9	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (G)	Rayong
pH at 25 degree C	-	-	-	7.4	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	30.6	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	29.1	Change from natural condition not more than 2 degree 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	33250	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	1.9	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	3.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Thanasoun Namakuna

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchana S.

Photchana Seda
Scientist (4)

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1004-2U (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540625
Date Received : May 07, 2025
Date Reported : May 27, 2025
Report Number : 3294332-1

Page 1 of 3

Sample Number 2540625-1
Sample Date May 07, 2025 10:20 AM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโดยชนบท
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in two glass vials, two amber glass bottles 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							
Arsenic	mg/L	0.002	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Cadmium	mg/L	0.0009	0.003	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Copper	mg/L	0.001	0.003	Not Detected	≤0.008	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Iron	mg/L	0.001	0.003	0.06	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Lead	mg/L	0.001	0.003	Not Detected	≤0.0085	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Mercury	mg/L	0.000003	0.00005	<0.00005	≤0.0001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Selenium	mg/L	0.003	0.01	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok

Water Testing

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Siriluk P.

Siriluk Burnak
Section Head

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1004-2U (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540625
Date Received : May 07, 2025
Date Reported : May 27, 2025
Report Number : 3294332-1

Page 2 of 3

Sample Number 2540625-1
Sample Date May 07, 2025 10:20 AM
Sample Description Seawater
Location จุฬาราชมนตรีโครงการโรงไฟฟ้าพลังงานทดแทนโดยชนบท
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - C (G)	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	48870	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.1	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (G)	Rayong
Petroleum Hydrocarbon	ug/L	0.02	0.05	0.49	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 1631, Revision E	Bangkok
pH at 25 degree C	-	-	-	7.4	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	31.8	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.8	Change from natural condition not more than 2 degree 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	34550	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Siriluk P.

Siriluk Burnak
Section Head

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S:\Report\AL_SG_01 (10-0740)

1004-2U (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540625
Date Received : May 07, 2025
Date Reported : May 27, 2025
Report Number : 3294332-1

Page 3 of 3

Sample Number 2540625-1
Sampled Date May 07, 2025 10:20 AM
Sample Description Seawater
Location จุฬนาบัวทะเลสาบโครงการโรงไฟฟ้าพลังงานทดแทนโดยเจเนอเรชั่น
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	2	5	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong
Transparency	m	-	-	2.2	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	4.9	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Wasan Kintunti

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

Approved by

Sirluk P.
Sirluk Dumnak
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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2540630
Date Received : May 14, 2025
Date Reported : May 17, 2025
Report Number : 3294339-1

Page 1 of 2

Sample Number 2540630-1
Sampled Date May 14, 2025 11:25 AM
Sample Description Seawater
Location จุฬนาบัวทะเลสาบโครงการโรงไฟฟ้าพลังงานทดแทนโดยเจเนอเรชั่น
Date Analysis Commenced May 14, 2025
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	48820	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.2	≥4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.2	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	30.1	Change from natural condition not more than 2 degree 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	32550	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	3.1	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.5	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Suphanat Sakulkitimasak

Approved by

Photchana S.
Photchana Seeda
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location :

Lot ID: 2540631
Date Received : May 21, 2025
Date Reported : May 26, 2025
Report Number : 3294397-1

Page 1 of 2

Sample Number 2540631-1
Sampled Date May 21, 2025 12:26 PM
Sample Description Seawater
Location จุฬนาบัวทะเลสาบโครงการโรงไฟฟ้าพลังงานทดแทนโดยเจเนอเรชั่น
Date Analysis Commenced May 21, 2025
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	48810	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.3	≥4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.2	7.0-8.5	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.1	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.3	Change from natural condition not more than 2 degree 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	33500	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	3.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	0.8	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Sansoen Khuyokulsi

Approved by

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Photchana Seeda
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location :

Lot ID: 2540632
Date Received : May 28, 2025
Date Reported : May 31, 2025
Report Number : 3294382-1

Page 1 of 2

Sample Number 2540632-1
Sampled Date May 28, 2025 11:00 AM
Sample Description Seawater
Location จุฬนาบัวทะเลสาบโครงการโรงไฟฟ้าพลังงานทดแทนโดยเจเนอเรชั่น
Date Analysis Commenced May 28, 2025
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	43990	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.9	≥4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	29.2	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	29.1	Change from natural condition not more than 2 degree 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	31100	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	3.1	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	5.2	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Thanasson Namakunna

Approved by

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Photchana Seeda
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2540668
Date Received : May 14, 2025
Date Reported : May 19, 2025
Report Number : 3294534-1

Page 1 of 2

Sample Number 2540668-1
Sample Date May 14, 2025 11:37 AM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์แบบไทย และเขื่อนป่าสักชลสิทธิ์เดิมใต้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced May 14, 2025
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	49350	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.0	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.0	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.4	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	29.9	Change from natural condition not more than 2 degree 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	31950	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.6	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	5.4	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Suphanat Sakulittimasak

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O :
Project Name :
Project Location : Phase5

Lot ID: 2540669
Date Received : May 21, 2025
Date Reported : May 26, 2025
Report Number : 3294530-1

Page 1 of 2

Sample Number 2540669-1
Sample Date May 21, 2025 12:10 PM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์แบบไทย และเขื่อนป่าสักชลสิทธิ์เดิมใต้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced May 21, 2025
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	48400	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.2	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.2	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.1	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.4	Change from natural condition not more than 2 degree 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	33200	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.8	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Sansoen Khuyksul

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanna Seeda
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540670
Date Received : May 28, 2025
Date Reported : May 31, 2025
Report Number : 3294519-1

Page 1 of 2

Sample Number 2540670-1
Sample Date May 28, 2025 11:40 AM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์แบบไทย และเขื่อนป่าสักชลสิทธิ์เดิมใต้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced May 28, 2025
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	45090	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.1	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.7	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	29.3	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	28.9	Change from natural condition not more than 2 degree 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	30700	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.7	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	5.4	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Thansoun Namakunna

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540677
Date Received : May 07, 2025
Date Reported : May 27, 2025
Report Number : 3294540-1

Page 1 of 3

Sample Number 2540677-1
Sample Date May 07, 2025 10:49 AM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์แบบไทย และเขื่อนป่าสักชลสิทธิ์เดิมใต้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in two glass vials, two am lar glass bottles 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							
Arsenic	mg/L	0.002	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0009	0.003	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.001	0.003	Not Detected	≤0.008	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.001	0.003	0.03	≤0.3	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.001	0.003	Not Detected	≤0.0085	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.000003	0.00005	<0.00005	≤0.0001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 16.31, Revision E	Bangkok
Selenium	mg/L	0.003	0.01	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Water Testing

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, 1-5 Road, Map Ta Phut, Muang, Rayong Thailand 2150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540677
Date Received : May 07, 2025
Date Reported : May 27, 2025
Report Num ber : 3294540-1

Page 2 of 3

Sample Number 25406 77-1
Sample Date May 07, 2025 10:49 AM
Sample Description Seaw ater
Location น้ำทะเลห่างจากทุ่นขนถ่ายน้ำมันของโครงการโรงไฟฟ้าพลังงานความร้อนแบบโคเจน แลตะวันตกฝั่งตะวันตกเฉียงใต้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in two glass vials, two am ber glass bottles and three plastic bottles, sam ple containers com ply to pretreatm ent - preservation standards 6PH A, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD 5 days at 20 Degree C)	m g/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Conductivity at 25 Degree C	m icrom hos/cm -	-	0.5	48980	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	m g/L	-	0.1	7.5	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C f)	Rayong
Petroleum Hydrocarbon	ug/L	0.02	0.05	0.54	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C f)	Bangkok
pH at 25 degree C	-	-	-	7.7	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H f)	Rayong
Residual Free Chlorine	m g/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C f)	Rayong
Salinity	ppt	-	0.1	32.0	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Tem perature	Degree C	-	-	32.8	Change from natural condition not more than 2 degree 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	m g/L	-	5	34350	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Results apply to the sample(s) as submitted, unless the sample was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Siriluk P.
Siriluk Burnak
Section Head

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, 1-5 Road, Map Ta Phut, Muang, Rayong Thailand 2150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540677
Date Received : May 07, 2025
Date Reported : May 27, 2025
Report Num ber : 3294540-1

Page 3 of 3

Sample Number 25406 77-1
Sample Date May 07, 2025 10:49 AM
Sample Description Seaw ater
Location น้ำทะเลห่างจากทุ่นขนถ่ายน้ำมันของโครงการโรงไฟฟ้าพลังงานความร้อนแบบโคเจน แลตะวันตกฝั่งตะวันตกเฉียงใต้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in two glass vials, two am ber glass bottles and three plastic bottles, sam ple containers com ply to pretreatm ent - preservation standards 6PH A, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	m g/L	-	2	3	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong
Transparency	m	-	-	2.6	Change from Natural condition not more than 10% of the low est transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.8	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.256 4 : Coastal Water Quality Standard (Class 5)

Sampling By : Wasan Kinruti

Remarks :

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

Results apply to the sample(s) as submitted, unless the sample was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Siriluk Burnak
Section Head

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, 1-5 Road, Map Ta Phut, Muang, Rayong Thailand 2150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540687
Date Received : May 07, 2025
Date Reported : May 27, 2025
Report Number : 3294563-1

Page 1 of 3

Sample Number 2540687-1
Sample Date May 07, 2025 9:19 AM
Sample Description Seawater
Location จุดขนถ่ายของโครงการโรงไฟฟ้าพลังงานความร้อนแบบโคเจนแลตะวันตก
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in two glass vials, two amber glass bottles 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							
Arsenic	mg/L	0.002	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0009	0.003	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.001	0.003	Not Detected	≤0.008	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.001	0.003	0.02	≤0.3	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.001	0.003	Not Detected	≤0.0085	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.000003	0.00005	<0.00005	≤0.0001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Selenium	mg/L	0.003	0.01	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Water Testing

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Siriluk P.
Siriluk Burnak
Section Head

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, 1-5 Road, Map Ta Phut, Muang, Rayong Thailand 2150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540687
Date Received : May 07, 2025
Date Reported : May 27, 2025
Report Number : 3294563-1

Page 2 of 3

Sample Number 2540687-1
Sample Date May 07, 2025 9:19 AM
Sample Description Seawater
Location จุดขนถ่ายของโครงการโรงไฟฟ้าพลังงานความร้อนแบบโคเจนแลตะวันตก
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	48820	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.5	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (G)	Rayong
Petroleum Hydrocarbon	ug/L	0.02	0.05	0.41	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (G)	Bangkok
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	32.2	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Sulfate	mg/L	0.6	2	2695	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-SO4 (F)	Rayong
Temperature	Degree C	-	-	34.8	Change from natural condition not more than 2 degree C	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Siriluk P.
Siriluk Burnak
Section Head

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2540687
Date Received : May 07, 2025
Date Reported : May 27, 2025
Report Number : 3294563-1

Page 3 of 3

Sample Number 2540687-1
Sampled Date May 07, 2025 9:19 AM
Sample Description Seawater
Location จุดขนถ่ายของโรงกลั่นไฟฟ้าผดสารควบแน่นโดยทะเล
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	35050	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	-	2	<2	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong
Transparency	m	-	-	3.1	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.5	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Wasan Kirunti

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

Approved by

Siriluk P.

Siriluk Dumnak
Section Head

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2545132
Date Received : Jun 04, 2025
Date Reported : Jun 11, 2025
Report Number : 3305027-1

Page 1 of 2

Sample Number 2545132-1
Sampled Date Jun 04, 2025 12:25 PM
Sample Description Seawater
Location แหล่งน้ำทะเลจากจุดระบายน้ำของโรงกลั่นไฟฟ้าผดสารควบแน่นโดยทะเลบริเวณท่าขนถ่าย 500 เมตร จุดที่ 1
Date Analysis Commenced Jun 04, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	48190	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.3	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.0	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	31.2	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.6	Change from natural condition not more than 2 degree 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	33050	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	-	2	4	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchana S.

Photchana Seeda
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2545132
Date Received : Jun 04, 2025
Date Reported : Jun 11, 2025
Report Number : 3305027-1

Page 2 of 2

Sample Number 2545132-1
Sampled Date Jun 04, 2025 12:25 PM
Sample Description Seawater
Location แหล่งน้ำทะเลจากจุดระบายน้ำของโรงกลั่นไฟฟ้าผดสารควบแน่นโดยทะเลบริเวณท่าขนถ่าย 500 เมตร จุดที่ 1
Date Analysis Commenced Jun 04, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.2	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	5.3	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Phongthep Sitthiloh

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 : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2545198
Date Received : Jun 04, 2025
Date Reported : Jun 11, 2025
Report Number : 3305097-1

Page 1 of 2

Sample Number 2545198-1
Sampled Date Jun 04, 2025 12:40 PM
Sample Description Seawater
Location แหล่งน้ำทะเลจากจุดระบายน้ำของโรงกลั่นไฟฟ้าผดสารควบแน่นโดยทะเลบริเวณท่าขนถ่าย 500 เมตร
Date Analysis Commenced Jun 04, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	47740	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.4	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	30.2	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.3	Change from natural condition not more than 2 degree 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	30850	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	-	2	3	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchana S.

Photchana Seeda
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2545198
Date Received : Jun 04, 2025
Date Reported : Jun 11, 2025
Report Number : 3305099-1

Page 2 of 2

Sample Number 2545198-1
Sample Date Jun 04, 2025 12:40 PM
Sample Description Seawater
Location แหล่งน้ำทะเลจากทุกระยะน้ำที่ของโครงการโรงไฟฟ้าพลังงานทดแทน โกลด์แอนด์ในทางทะเลบริเวณ 500 เมตร
Date Analysis Commenced Jun 04, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.3	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	5.7	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Phongthep Sitthiloh

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

Approved by

Photchanna S.

Photchanna Seeds
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2545199
Date Received : Jun 04, 2025
Date Reported : Jun 11, 2025
Report Number : 3305099-1

Page 1 of 2

Sample Number 2545199-1
Sample Date Jun 04, 2025 12:20 PM
Sample Description Seawater
Location แหล่งน้ำทะเลจากทุกระยะน้ำที่ของโครงการโรงไฟฟ้าพลังงานทดแทน โกลด์แอนด์ในทางทะเลบริเวณ 500 เมตร จุด 1
Date Analysis Commenced Jun 04, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	48420	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.2	≥4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	7.9	7.0-8.5		Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	30.8	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.8	Change from natural condition not more than 2 degree C	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	33600	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	-	2	2	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeds
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2545199
Date Received : Jun 04, 2025
Date Reported : Jun 11, 2025
Report Number : 3305099-1

Page 2 of 2

Sample Number 2545199-1
Sample Date Jun 04, 2025 12:20 PM
Sample Description Seawater
Location แหล่งน้ำทะเลจากทุกระยะน้ำที่ของโครงการโรงไฟฟ้าพลังงานทดแทน โกลด์แอนด์ในทางทะเลบริเวณ 500 เมตร จุด 1
Date Analysis Commenced Jun 04, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.3	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	5.3	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Phongthep Sitthiloh

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

Approved by

Photchanna S.

Photchanna Seeds
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2545201
Date Received : Jun 04, 2025
Date Reported : Jun 11, 2025
Report Number : 3305101-1

Page 1 of 2

Sample Number 2545201-1
Sample Date Jun 04, 2025 12:30 PM
Sample Description Seawater
Location แหล่งน้ำทะเลจากทุกระยะน้ำที่ของโครงการโรงไฟฟ้าพลังงานทดแทน โกลด์แอนด์ในทางทะเลบริเวณ 500 เมตร จุด 2
Date Analysis Commenced Jun 04, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	48010	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.2	≥4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	7.8	7.0-8.5		Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-C (F)	Rayong
Salinity	ppt	-	0.1	30.2	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.7	Change from natural condition not more than 2 degree C	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	32350	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	-	2	4	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED

11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150

P/O : 3100020901

Project Name :

Project Location: Phase5

Lot ID: 2545201

Date Received : Jun 04, 2025

Date Reported : Jun 11, 2025

Report Number : 3305101-1

Page 2 of 2

Sample Number	2545201-1
Sampled Date	Jun 04, 2025 12:30 PM
Sample Description	Seawater
Location	แหล่งน้ำทะเลของโครงการโรงไฟฟ้าพลังงานทดแทน โดเจนแลร์นในทางทิศตะวันตกฝั่งใต้ 500 เมตร จุดที่ 2
Date Analysis Commenced	Jun 04, 2025
Condition of Sample	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.1	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	4.0	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Phongthep Sitthiloh

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

Approved by

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1004-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED

11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150

P/O : 3100020901

Project Name :

Project Location: Phase5

Lot ID: 2545203

Date Received : Jun 04, 2025

Date Reported : Jun 11, 2025

Report Number : 3305102-1

Page 1 of 2

Sample Number	2545203-1
Sampled Date	Jun 04, 2025 12:35 PM
Sample Description	Seawater
Location	จุดรับน้ำทะเลของโครงการโรงไฟฟ้าพลังงานทดแทน โดเจนแลร์น
Date Analysis Commenced	Jun 04, 2025
Condition of Sample	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	48350	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.2	≥4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	7.6	7.0-8.5		Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-CI (F)	Rayong
Salinity	ppt	-	0.1	30.7	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	34.0	34.0	Change from natural condition not more than 2 degree 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	33700	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	-	2	3	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Scientist (4)

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1004-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED

11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150

P/O : 3100020901

Project Name :

Project Location: Phase5

Lot ID: 2545203

Date Received : Jun 04, 2025

Date Reported : Jun 11, 2025

Report Number : 3305102-1

Page 2 of 2

Sample Number	2545203-1
Sampled Date	Jun 04, 2025 12:35 PM
Sample Description	Seawater
Location	จุดรับน้ำทะเลของโครงการโรงไฟฟ้าพลังงานทดแทน โดเจนแลร์น
Date Analysis Commenced	Jun 04, 2025
Condition of Sample	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	1.9	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	4.5	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)

Sampling By : Phongthep Sitthiloh

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

Approved by

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1004-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED

11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150

P/O : 3100020901

Project Name :

Project Location: Phase5

Lot ID: 2545204

Date Received : Jun 04, 2025

Date Reported : Jun 11, 2025

Report Number : 3305105-1

Page 1 of 2

Sample Number	2545204-1
Sampled Date	Jun 04, 2025 12:10 PM
Sample Description	Seawater
Location	จุดรับน้ำทะเลของโครงการโรงไฟฟ้าพลังงานทดแทน โดเจนแลร์น
Date Analysis Commenced	Jun 04, 2025
Condition of Sample	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O C	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	48930	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.4	≥4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	8.2	7.0-8.5		Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-CI (F)	Rayong
Salinity	ppt	-	0.1	31.1	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	32.5	32.5	Change from natural condition not more than 2 degree 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	34300	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	-	2	<2	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanna Seeds
Scientist (4)

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1004-22 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2545204
Date Received : Jun 04, 2025
Date Reported : Jun 11, 2025
Report Number : 3305105-1

Page 2 of 2

Sample Number 2545204-1
Sample Date Jun 04, 2025 12:10 PM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ และเขื่อนป้องกันตลิ่งยาวฝั่งใต้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Jun 04, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.9	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.3	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Phongthep Sitthiloh

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

Approved by

Photchanna S.

Photchanna Seeds
Scientist (4)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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10004-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2545206
Date Received : Jun 04, 2025
Date Reported : Jun 11, 2025
Report Number : 3305106-1

Page 1 of 2

Sample Number 2545206-1
Sample Date Jun 04, 2025 12:55 PM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ และเขื่อนป้องกันตลิ่งยาวฝั่งใต้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Jun 04, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O (G)	Rayong
Conductivity at 25 Degree C	micromhos/cm	-	0.5	48290	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.5	≥4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	8.2	7.0-8.5		Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine	mg/L	-	0.01	<0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-CI (F)	Rayong
Salinity	ppt	-	0.1	30.6	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.8	Change from natural condition not more than 2 degree 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	33750	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	-	2	4	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Scientist (4)

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10004-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2545206
Date Received : Jun 04, 2025
Date Reported : Jun 11, 2025
Report Number : 3305106-1

Page 2 of 2

Sample Number 2545206-1
Sample Date Jun 04, 2025 12:55 PM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ และเขื่อนป้องกันตลิ่งยาวฝั่งใต้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Jun 04, 2025
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	4.9	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Phongthep Sitthiloh

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

Approved by

Photchanna S.

Photchanna Seeds
Scientist (4)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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10004-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2545219
Date Received : Jun 11, 2025
Date Reported : Jun 16, 2025
Report Number : 3305132-1

Page 1 of 2

Sample Number 2545219-1
Sample Date Jun 11, 2025 2:16 PM
Sample Description Seawater
Location แหล่งน้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์ และเขื่อนป้องกันตลิ่งยาวฝั่งใต้ 500 เมตร จุดที่ 1
Date Analysis Commenced Jun 11, 2025
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	47950	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.7	≥4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	7.7	7.0-8.5		Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Salinity	ppt	-	0.1	31.8	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.7	Change from natural condition not more than 2 degree 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	31050	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.3	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	3.8	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Anonwich Wongsachai

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeds
Scientist (4)

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10004-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2545220
Date Received : Jun 18, 2025
Date Reported : Jun 23, 2025
Report Number : 3305131-1

Page 1 of 2

Sample Number 2545220-1
Sample Date Jun 18, 2025 10:29 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากขยะน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานลม แบบโครงการรับใบทางทะเลบริเวณใกล้ 500 เมตร จุดที่ 1
Date Analysis Commenced Jun 18, 2025
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	48920	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.7	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.1	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.0	Change from natural condition not more than 2 degree 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	36600	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.2	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Jitsupa P.
Jitsupa Prathangsuak
Scientist (2)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2545221
Date Received : Jun 25, 2025
Date Reported : Jun 26, 2025
Report Number : 3305130-1

Page 1 of 2

Sample Number 2545221-1
Sample Date Jun 25, 2025 2:15 PM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากขยะน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานลม แบบโครงการรับใบทางทะเลบริเวณใกล้ 500 เมตร จุดที่ 1
Date Analysis Commenced Jun 25, 2025
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	48960	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.8	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.7	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.5	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.1	Change from natural condition not more than 2 degree 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	33150	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	27.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchana S.
Photchana Seeda
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location :

Lot ID: 2545226
Date Received : Jun 11, 2025
Date Reported : Jun 16, 2025
Report Number : 3305140-1

Page 1 of 2

Sample Number 2545226-1
Sample Date Jun 11, 2025 2:30 PM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากขยะน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานลมแบบ โครงการรับใบทางทะเลบริเวณ 500 เมตร
Date Analysis Commenced Jun 11, 2025
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	47790	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	8.0	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.9	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.4	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.2	Change from natural condition not more than 2 degree 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	31700	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.3	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	8.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Anonwich Wongachai

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchana S.
Photchana Seeda
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location :

Lot ID: 2545227
Date Received : Jun 18, 2025
Date Reported : Jun 23, 2025
Report Number : 3305137-1

Page 1 of 2

Sample Number 2545227-1
Sample Date Jun 18, 2025 10:41 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบจากขยะน้ำทิ้งของโครงการโรงไฟฟ้าพลังงานลมแบบ โครงการรับใบทางทะเลบริเวณ 500 เมตร
Date Analysis Commenced Jun 18, 2025
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	48430	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	8.3	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.5	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.5	Change from natural condition not more than 2 degree 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	36300	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	3.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Jitsupa P.
Jitsupa Prathangsuak
Scientist (2)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901

Date Received : Jun 25, 2025
Date Reported : Jun 26, 2025
Report Number : 3305136-1

Page 1 of 2

2545228-1
Jun 25, 2025 2:35 PM
Seawater
ผลัดน้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานขยะ โดยแนวรับน้ำทางทิศเหนือ 500 เมตร
Jun 25, 2025
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	49420	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.1	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	7.8	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Salinity	ppt	-	0.1	32.4	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.6	Change from natural condition not more than 2 degree 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	33400	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	12.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Surawit Narapong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Photchanna S.

Photchanna Seeda
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901

Project Name :
Project Location :

Lot ID: 2545232
Date Received : Jun 18, 2025
Date Reported : Jun 23, 2025
Report Number : 3305151-1

Page 1 of 2

Sample Number 2545232-1
Sampled Date Jun 18, 2025 10:22 AM
Sample Description Seawater
Location ผลัดน้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานขยะ โดยแนวรับน้ำทางทิศเหนือ 1,000 เมตร จุดที่ 1
Date Analysis Commenced Jun 18, 2025
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	49080	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.7	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	7.9	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Salinity	ppt	-	0.1	32.0	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.0	Change from natural condition not more than 2 degree 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	35400	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.3	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	3.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Jitsupa P.

Jitsupa Prathangskul
Scientist (2)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901

Project Name :
Project Location :

Lot ID: 2545231
Date Received : Jun 11, 2025
Date Reported : Jun 16, 2025
Report Number : 3305153-1

Page 1 of 2

Sample Number 2545231-1
Sampled Date Jun 11, 2025 2:12 PM
Sample Description Seawater
Location ผลัดน้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานขยะ โดยแนวรับน้ำทางทิศเหนือ 1,000 เมตร จุดที่ 1
Date Analysis Commenced Jun 11, 2025
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	48600	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.6	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	7.6	7.0-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Salinity	ppt	-	0.1	32.0	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.3	Change from natural condition not more than 2 degree 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	31150	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.3	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	4.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Anonwich Wongsachai

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeda
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S:\Report\AL_GB-qt (1-30PP)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location :

Lot ID: 2545234
Date Received : Jun 11, 2025
Date Reported : Jun 16, 2025
Report Number : 3305159-1

Page 1 of 2

Sample Number 2545234-1
Sample Date Jun 11, 2025 2:19 PM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานขยะ โดยแนวรับทางทิศตะวันตกฝั่ง 500 เมตร จุดที่ 2
Date Analysis Commenced Jun 11, 2025
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	47990	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.9	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.7	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.8	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	33.2	Change from natural condition not more than 2 degree 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	32600	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.2	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	3.2	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Anonwich Wongsachai

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeds
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10004-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location :

Lot ID: 2545235
Date Received : Jun 18, 2025
Date Reported : Jun 23, 2025
Report Number : 3305157-1

Page 1 of 2

Sample Number 2545235-1
Sample Date Jun 18, 2025 10:31 AM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานขยะ โดยแนวรับทางทิศตะวันตกฝั่ง 500 เมตร จุดที่ 2
Date Analysis Commenced Jun 18, 2025
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	48930	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.5	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.7	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.0	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.7	Change from natural condition not more than 2 degree 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	36300	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.1	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	3.2	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Jitsupa P.

Jitsupa Prathanguk
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10004-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location :

Lot ID: 2545236
Date Received : Jun 25, 2025
Date Reported : Jun 26, 2025
Report Number : 3305155-1

Page 1 of 2

Sample Number 2545236-1
Sample Date Jun 25, 2025 2:20 PM
Sample Description Seawater
Location แหล่งน้ำทะเลสาบกระชายน้ำของโครงการโรงไฟฟ้าพลังงานขยะ โดยแนวรับทางทิศตะวันตกฝั่ง 500 เมตร จุดที่ 2
Date Analysis Commenced Jun 25, 2025
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	49410	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.7	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.6	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.3	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.2	Change from natural condition not more than 2 degree 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	33600	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.4	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	37.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Photchanna Seeds
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10004-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location :

Lot ID: 2545238
Date Received : Jun 11, 2025
Date Reported : Jun 16, 2025
Report Number : 3305169-1

Page 1 of 2

Sample Number 2545238-1
Sample Date Jun 11, 2025 2:25 PM
Sample Description Seawater
Location จุฑาราชมณฑลของโครงการโรงไฟฟ้าพลังงานขยะ โดยแนวรับ
Date Analysis Commenced Jun 11, 2025
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	47840	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.8	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.5	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.6	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	34.0	Change from natural condition not more than 2 degree 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	32900	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	4.9	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Anonwich Wongsachai

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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10004-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location :

Lot ID: 2545239
Date Received : Jun 18, 2025
Date Reported : Jun 23, 2025
Report Number : 3305166-1

Page 1 of 2

Sample Number 2545239-1
Sample Date Jun 18, 2025 10:37 AM
Sample Description Seawater
Location จุฬนาฬาทะเลสาบโครงการโรงไฟฟ้าพลังงานทดแทนโคเจนเนอเรชั่น
Date Analysis Commenced Jun 18, 2025
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	48890	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.4	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.3	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.4	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	34.9	Change from natural condition not more than 2 degree 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	35800	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	1.9	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	3.7	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location :

Lot ID: 2545240
Date Received : Jun 25, 2025
Date Reported : Jun 26, 2025
Report Number : 3305164-1

Page 1 of 2

Sample Number 2545240-1
Sample Date Jun 25, 2025 2:30 PM
Sample Description Seawater
Location จุฬนาฬาทะเลสาบโครงการโรงไฟฟ้าพลังงานทดแทนโคเจนเนอเรชั่น
Date Analysis Commenced Jun 25, 2025
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	49490	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	6.7	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.6	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.3	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	32.8	Change from natural condition not more than 2 degree 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	33650	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.1	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	20.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

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Approved by

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Photchana Seeda
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location :

Lot ID: 2545242
Date Received : Jun 11, 2025
Date Reported : Jun 16, 2025
Report Number : 3305208-1

Page 1 of 2

Sample Number 2545242-1
Sample Date Jun 11, 2025 1:50 PM
Sample Description Seawater
Location จุฬนาฬาทะเลสาบโครงการโรงไฟฟ้าพลังงานทดแทนโคเจนเนอเรชั่น
Date Analysis Commenced Jun 11, 2025
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	48220	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.0	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.4	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.8	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.2	Change from natural condition not more than 2 degree 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	33050	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.9	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.8	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Anonwich Wongachai

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Approved by

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Photchana Seeda
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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location :

Lot ID: 2545243
Date Received : Jun 18, 2025
Date Reported : Jun 25, 2025
Report Number : 3305180-1

Page 1 of 2

Sample Number 2545243-1
Sample Date Jun 18, 2025 10:06 AM
Sample Description Seawater
Location จุฬนาฬาทะเลสาบโครงการโรงไฟฟ้าพลังงานทดแทนโคเจนเนอเรชั่น
Date Analysis Commenced Jun 18, 2025
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	49110	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.7	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.2	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	30.9	Change from natural condition not more than 2 degree 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	35700	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	3.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.2	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location :

Lot ID: 2545244
Date Received : Jun 25, 2025
Date Reported : Jun 26, 2025
Report Number : 3305175-1

Page 1 of 2

Sample Number 2545244-1
Sample Date Jun 25, 2025 1:55 PM
Sample Description Seawater
Location จตุสมน้ำทะเลของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์และเขื่อนป่าสักชลสิทธิ์บนฝั่งใกล้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Jun 25, 2025
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	48980	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.1	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.2	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.9	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	30.2	Change from natural condition not more than 2 degree 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	34850	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	3.0	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	4.8	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeda
Scientist (4)

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10094-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2545250
Date Received : Jun 11, 2025
Date Reported : Jun 16, 2025
Report Number : 3305220-1

Page 1 of 2

Sample Number 2545250-1
Sample Date Jun 11, 2025 1:40 PM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์และเขื่อนป่าสักชลสิทธิ์บนฝั่งใกล้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Jun 11, 2025
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	48990	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.9	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.1	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.0	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	31.3	Change from natural condition not more than 2 degree 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	33100	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.6	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	1.5	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Anonwith Wongsachai

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeda
Scientist (4)

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Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2545251
Date Received : Jun 18, 2025
Date Reported : Jun 23, 2025
Report Number : 3305218-1

Page 1 of 2

Sample Number 2545251-1
Sample Date Jun 18, 2025 9:57 AM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์และเขื่อนป่าสักชลสิทธิ์บนฝั่งใกล้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Jun 18, 2025
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	48790	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.7	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	7.6	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	31.9	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	34.1	Change from natural condition not more than 2 degree 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	35550	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.5	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Jitsupa P.

Jitsupa Phrathungsk
Scientist (2)

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10094-20 (ENGL)



Analysis / Test Report

Client : GLOW ENERGY PUBLIC COMPANY LIMITED
11, I-5 Road, Map Ta Phut, Muang, Rayong Thailand 21150
P/O : 3100020901
Project Name :
Project Location : Phase5

Lot ID: 2545252
Date Received : Jun 25, 2025
Date Reported : Jun 26, 2025
Report Number : 3305213-1

Page 1 of 2

Sample Number 2545252-1
Sample Date Jun 25, 2025 2:10 PM
Sample Description Seawater
Location น้ำทะเลจากจุดระบายน้ำของโครงการโรงไฟฟ้าพลังงานนิวเคลียร์และเขื่อนป่าสักชลสิทธิ์บนฝั่งใกล้ 1,000 เมตร จุดที่ 2
Date Analysis Commenced Jun 25, 2025
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	50290	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Dissolved Oxygen	mg/L	-	0.1	7.3	≥4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (G)	Rayong
pH at 25 degree C	-	-	-	8.2	7.0-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-H (B)	Rayong
Salinity	ppt	-	0.1	32.5	Change from lower salinity not more than 10%	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Rayong
Temperature	Degree C	-	-	29.0	Change from natural condition not more than 2 degree 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	33550	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Transparency	m	-	-	2.7	Change from Natural condition not more than 10% of the lowest transparency	Visual Method	Rayong
Turbidity	NTU	-	0.1	5.2	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, B.E.2564 : Coastal Water Quality Standard (Class 5)
Sampling By : Surawit Narapong

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Photchanna S.

Photchanna Seeda
Scientist (4)

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