

ภาคผนวก ค

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ใบรับรองผลการวิเคราะห์









## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**Lot ID:** 2510479

Date Received : Mar 17, 2025

Date Reported : Mar 25, 2025

Report Number :3224987-1

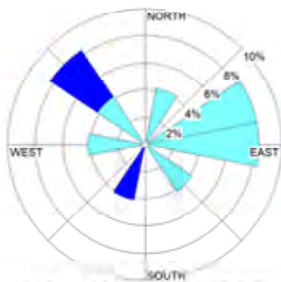
**P/O :**

**Project Name :** Monitoring

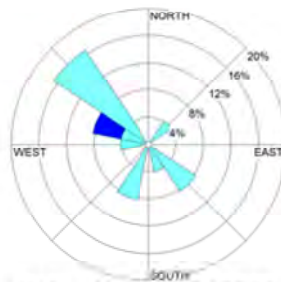
**Project Location :** CUP 2

Page 2 of 2

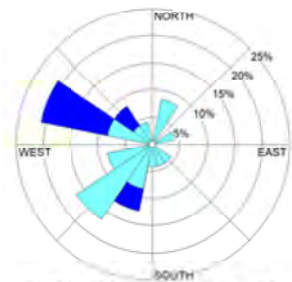
### Wind Rose



Date : Mar 09-10, 2025



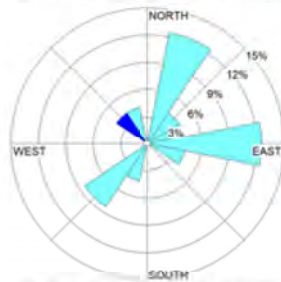
Date : Mar 10-11, 2025



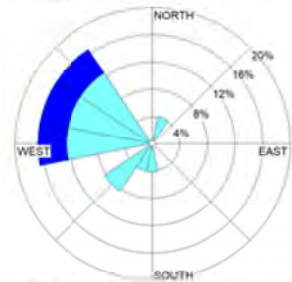
Date : Mar 11-12, 2025



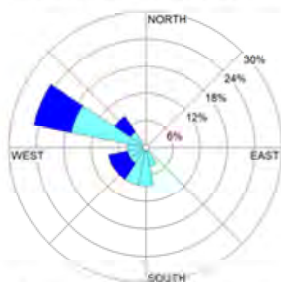
Date : Mar 12-13, 2025



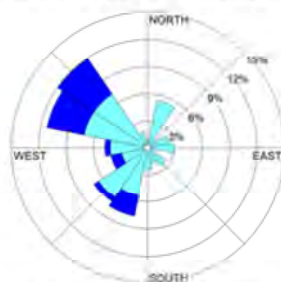
Date : Mar 13-14, 2025



Date : Mar 14-15, 2025



Date : Mar 15-16, 2025



Date : Mar 09-16, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	13.69
0.3-1.7	54.76
Calms	31.55

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510510**

Date Received :Mar 12, 2025

Date Reported :Mar 19, 2025

Report Number :3225119-1

Page 1 of 1

**Sample Number** 2510510-1  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 1 (GPS 47P 0734939, 1411053)  
**Measurement Date** Mar 12, 2025

### Stack Description

Ambient Temperature	32.2 °C	Diameter	3.40 m	Oxygen	14.68 %
Ambient Pressure	758.3 mmHg	Shape	Circle	Carbon dioxide	3.61 %
Type of Process	Combustion	Stack Temperature	167 °C	Gas Velocity	21.18 m/s
Type of Fuel	Natural Gas	Moisture	9.74 %	Flow Rate	422271 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O <sub>2</sub>	at 7% O <sub>2</sub>	at Actual O <sub>2</sub>	at 7% O <sub>2</sub>
1	10:20 AM - 10:40 AM	14.67	3.62	10.46	23.35	0.08	0.19
2	10:41 AM - 11:01 AM	14.68	3.61	10.54	23.55	0.08	0.19
3	11:02 AM - 11:22 AM	14.70	3.61	10.50	23.52	0.08	0.19
Average (ppm)		14.68	3.61	10.50	23.47	0.08	0.19
Guideline <sup>1/</sup> (ppm)				-	35	-	-
Guideline <sup>2/</sup> (ppm)				-	120	-	20
Result (mg/Nm <sup>3</sup> )				19.76	44.16	0.22	0.49
Emission Rate at Actual O <sub>2</sub> (g/s)				2.3173		0.0256	
Guideline <sup>1/</sup> (g/s)				6.73		-	
Method				US EPA Method 7E		US EPA Method 6C	

**Sampled By :** Saksit Phaisanphisut

**Guideline :** <sup>1/</sup>Environmental Impact Assessment Report of Global Power Synergy Public Company Limited (CUP 2)

<sup>2/</sup>Notification of the Ministry of Industry on determining pollution contents in air emissions from power plants, 2024 (B.E. 2567)

**Technical Management**

Wichan Choonharat  
Manager  
ทะเบียนเลขที่ ว-204-ค-0006

**Approved by**

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

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## Analysis / Test Report

**Client** : Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O** :

**Project Name** : Monitoring

**Project Location** : CUP 2

**Lot ID: 2510513**

Date Received : Mar 13, 2025

Date Reported : Mar 19, 2025

Report Number : 3225121-1

Page 1 of 1

**Sample Number** 2510513-1  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 2 (GPS 47P 0734915, 1410987)  
**Measurement Date** Mar 13, 2025

### Stack Description

Ambient Temperature	30.2 °C	Diameter	3.40 m	Oxygen	14.60 %
Ambient Pressure	757.8 mmHg	Shape	Circle	Carbon dioxide	3.63 %
Type of Process	Combustion	Stack Temperature	169 °C	Gas Velocity	24.41 m/s
Type of Fuel	Natural Gas	Moisture	9.93 %	Flow Rate	483654 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O <sub>2</sub>	at 7% O <sub>2</sub>	at Actual O <sub>2</sub>	at 7% O <sub>2</sub>
1	10:10 AM - 10:30 AM	14.61	3.63	11.33	25.03	0.09	0.19
2	10:31 AM - 10:51 AM	14.60	3.63	10.82	23.86	0.08	0.18
3	10:52 AM - 11:12 AM	14.59	3.63	10.89	23.98	0.08	0.18
Average (ppm)		14.60	3.63	11.01	24.29	0.08	0.19
Guideline <sup>1/</sup> (ppm)				-	35	-	-
Guideline <sup>2/</sup> (ppm)				-	120	-	20
Result (mg/Nm <sup>3</sup> )				20.72	45.70	0.22	0.49
Emission Rate at Actual O <sub>2</sub> (g/s)				2.7841		0.0296	
Guideline <sup>1/</sup> (g/s)				6.73		-	
Method				US EPA Method 7E		US EPA Method 6C	

**Sampled By** : Saksit Phaisanphisut

**Guideline** : <sup>1/</sup>Environmental Impact Assessment Report of Global Power Synergy Public Company Limited (CUP 2)

<sup>2/</sup>Notification of the Ministry of Industry on determining pollution contents in air emissions from power plants, 2024 (B.E. 2567)

**Technical Management**

Wichan Choonharat  
Manager

ทะเบียนเลขที่ ว-204-ค-0006

**Approved by**

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

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510515**

Date Received :Mar 14, 2025

Date Reported :Mar 19, 2025

Report Number :3225124-1

Page 1 of 1

**Sample Number** 2510515-1  
**Sample Description** Emission from Stationary Source  
**Location** Auxiliary boiler (GPS 47P 0734926, 1410957)  
**Measurement Date** Mar 14, 2025

### Stack Description

Ambient Temperature	30 °C	Diameter	1.50 m	Oxygen	4.86 %
Ambient Pressure	759.1 mmHg	Shape	Circle	Carbon dioxide	9.08 %
Type of Process	Combustion	Stack Temperature	125 °C	Gas Velocity	6.17 m/s
Type of Fuel	Natural Gas	Moisture	9.40 %	Flow Rate	26590 Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O <sub>2</sub>	at 7% O <sub>2</sub>	at Actual O <sub>2</sub>	at 7% O <sub>2</sub>
1	10:00 AM - 10:20 AM	4.71	9.16	47.60	40.86	0.15	0.13
2	10:21 AM - 10:41 AM	4.94	9.04	48.18	41.97	0.15	0.13
3	10:42 AM - 11:02 AM	4.93	9.05	48.15	41.92	0.15	0.13
Average (ppm)		4.86	9.08	47.98	41.58	0.15	0.13
Guideline <sup>1/</sup> (ppm)				-	50	-	-
Guideline <sup>2/</sup> (ppm)				-	120	-	20
Result (mg/Nm <sup>3</sup> )				90.26	78.23	0.40	0.34
Emission Rate at Actual O <sub>2</sub> (g/s)				0.6667		0.0029	
Guideline <sup>1/</sup> (g/s)				1.56		-	
Method				US EPA Method 7E		US EPA Method 6C	

**Sampled By :** Saksit Phaisanphisut

**Guideline :** <sup>1/</sup>Environmental Impact Assessment Report of Global Power Synergy Public Company Limited (CUP 2)

<sup>2/</sup>Notification of the Ministry of Industry on determining pollution contents in air emissions from power plants, 2024 (B.E. 2567)

**Technical Management**

Wichan Choonharat  
Manager  
ทะเบียนเลขที่ ว-204-ค-0006

**Approved by**

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

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510640**

Date Received : Mar 05, 2025

Date Reported : Mar 17, 2025

Report Number : 3225350-1

Page 1 of 8

**Sample Number** 2510640-1  
**Sampled Date** Mar 04, 2025  
**Sample Description** Air Quality  
**Location** HRSG 1  
**Date Analysis Commenced** Mar 05, 2025  
**Condition of Sample** Drawn into one amber plastic bottle, refrigerated  
**Barometric Pressure** 750 mmHg  
**Atmospheric Temperature** 33.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Ammonia	09:45 AM - 11:45 AM	ppm	-	0.10	<0.10	50	Based on Method of Air Sampling and Analysis, 401	MOL	Rayong

**Guideline :**

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

**Sampled By :** Amnat Wongsakhen

Remark :

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

Approved by

*Saranya C.*

Saranya Chalermtamrong  
Scientist (4)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited

92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510640**

Date Received : Mar 05, 2025

Date Reported : Mar 17, 2025

Report Number : 3225350-1

Page 2 of 8

**Sample Number** 2510640-2  
**Sampled Date** Mar 04, 2025  
**Sample Description** Air Quality  
**Location** HRSG 2  
**Date Analysis Commenced** Mar 05, 2025  
**Condition of Sample** Drawn into one amber plastic bottle, refrigerated  
**Barometric Pressure** 750 mmHg  
**Atmospheric Temperature** 33.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Ammonia	09:45 AM - 11:45 AM	ppm	-	0.10	<0.10	50	Based on Method of Air Sampling and Analysis, 401	MOL	Rayong

**Guideline :**

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

**Sampled By :** Amnat Wongsakhen

Remark :

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

Approved by

*Saranya C.*

Saranya Chalermtamrong  
Scientist (4)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510640**

Date Received : Mar 05, 2025

Date Reported : Mar 17, 2025

Report Number : 3225350-1

Page 3 of 8

**Sample Number** 2510640-3  
**Sampled Date** Mar 04, 2025  
**Sample Description** Air Quality  
**Location** NH4OH Tank  
**Date Analysis Commenced** Mar 05, 2025  
**Condition of Sample** Drawn into one amber plastic bottle, refrigerated  
**Barometric Pressure** 750 mmHg  
**Atmospheric Temperature** 33.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Ammonia	09:45 AM - 11:45 AM	ppm	-	0.10	<0.10	50	Based on Method of Air Sampling and Analysis, 401	MOL	Rayong

**Guideline :**

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

**Sampled By :** Amnat Wongsakhen

Remark :

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Approved by

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Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited

92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510640**

Date Received : Mar 05, 2025

Date Reported : Mar 17, 2025

Report Number : 3225350-1

Page 4 of 8

**Sample Number** 2510640-4  
**Sampled Date** Mar 04, 2025  
**Sample Description** Air Quality  
**Location** Cooling Tower  
**Date Analysis Commenced** Mar 07, 2025  
**Condition of Sample** Drawn into one amber plastic bottle, refrigerated  
**Barometric Pressure** 750 mmHg  
**Atmospheric Temperature** 33.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Chlorine as NaOCl	09:45 AM - 11:45 AM	ppm	-	0.10	<0.10	1(C)	Based on OSHA, ID 101	MOL	Bangkok

**Guideline :**

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

**Sampled By :** Amnat Wongsakhen

Remark :

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Approved by

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Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510640**

Date Received : Mar 05, 2025

Date Reported : Mar 17, 2025

Report Number : 3225350-1

Page 5 of 8

**Sample Number** 2510640-5  
**Sampled Date** Mar 04, 2025  
**Sample Description** Air Quality  
**Location** RO Plant  
**Date Analysis Commenced** Mar 07, 2025  
**Condition of Sample** Drawn into one amber plastic bottle, refrigerated  
**Barometric Pressure** 750 mmHg  
**Atmospheric Temperature** 33.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Chlorine as NaOCl	09:45 AM - 11:45 AM	ppm	-	0.10	<0.10	1(C)	Based on OSHA, ID 101	MOL	Bangkok

**Guideline :**

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

**Sampled By :** Amnat Wongsakhen

Remark :

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Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510640**

Date Received : Mar 05, 2025

Date Reported : Mar 17, 2025

Report Number : 3225350-1

Page 6 of 8

**Sample Number** 2510640-6  
**Sampled Date** Mar 04, 2025  
**Sample Description** Air Quality  
**Location** HCl Tank  
**Date Analysis Commenced** Mar 07, 2025  
**Condition of Sample** Drawn into one sorbent tube, refrigerated  
**Barometric Pressure** 750 mmHg  
**Atmospheric Temperature** 33.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Hydrogen chloride	09:45 AM - 11:45 AM	ppm	-	0.05	<0.05	5(C)	Based on OSHA, ID-174-SG	MOL	Bangkok

**Guideline :**

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

**Sampled By :** Amnat Wongsakhan

**Remark :**

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Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510640**

Date Received : Mar 05, 2025

Date Reported : Mar 17, 2025

Report Number : 3225350-1

Page 7 of 8

**Sample Number** 2510640-7  
**Sampled Date** Mar 04, 2025  
**Sample Description** Air Quality  
**Location** NaOH Tank  
**Date Analysis Commenced** Mar 07, 2025  
**Condition of Sample** Drawn into one filter paper placed in plastic cassette  
**Barometric Pressure** 746 mmHg  
**Atmospheric Temperature** 33.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Sodium hydroxide as NaOH	09:45 AM - 11:45 AM	mg/m3	-	0.05	<0.05	2	NIOSH (1994), 7401	MOL	Rayong

**Guideline :**

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

**Sampled By :** Amnat Wongsakhan

**Remark :**

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

Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510640**

Date Received : Mar 05, 2025

Date Reported : Mar 17, 2025

Report Number : 3225350-1

Page 8 of 8

**Sample Number** 2510640-8  
**Sampled Date** Mar 04, 2025  
**Sample Description** Air Quality  
**Location** H2SO4 Tank  
**Date Analysis Commenced** Mar 07, 2025  
**Condition of Sample** Drawn into one sorbent tube, refrigerated  
**Barometric Pressure** 750 mmHg  
**Atmospheric Temperature** 33.1 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Sulfuric acid	09:45 AM - 11:45 AM	mg/m3	-	0.05	<0.05	1	Based on OSHA, ID-174-SG	MOL	Bangkok

**Guideline :**

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

**Sampled By :** Amnat Wongsakhan

Remark :

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Approved by

*Saranya C.*

Saranya Chalermthamrong  
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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510648**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number: 3255609-1

Page 1 of 1

**Sample Number** 2510648-1  
**Parameter** Noise (Leq 8 hrs.)  
**Location** HRSG#1  
**Measurement Date** Mar 03, 2025  
**Measurement by** Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:27 AM - 11:27 AM	82.4	83.3	82.2
11:27 AM - 12:27 PM	82.4	82.9	82.2
12:27 PM - 01:27 PM	82.2	82.7	82.1
01:27 PM - 02:27 PM	82.2	82.7	82.1
02:27 PM - 03:27 PM	82.3	82.8	82.2
03:27 PM - 04:27 PM	82.4	83.0	82.3
04:27 PM - 05:27 PM	82.5	83.0	82.4
05:27 PM - 06:27 PM	82.6	83.1	82.5

Leq Average 8 hrs. (dB(A))

82.4

Lmax (dB(A))

83.3

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

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92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510648**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number: 3255610-1

Page 1 of 1

**Sample Number** 2510648-2  
**Parameter** Noise (Leq 8 hrs.)  
**Location** HRSG#2  
**Measurement Date** Mar 03, 2025  
**Measurement by** Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:06 AM - 12:06 PM	80.4	81.2	80.2
12:06 PM - 01:06 PM	80.3	81.0	80.2
01:06 PM - 02:06 PM	80.3	81.1	80.1
02:06 PM - 03:06 PM	80.3	81.6	80.2
03:06 PM - 04:06 PM	80.5	81.1	80.4
04:06 PM - 05:06 PM	80.5	81.2	80.4
05:06 PM - 06:06 PM	80.6	81.1	80.4
06:06 PM - 07:06 PM	80.7	81.3	80.6

Leq Average 8 hrs. (dB(A))

80.5

Lmax (dB(A))

81.6

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

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**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510648**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number: 3255611-1

Page 1 of 1

**Sample Number** 2510648-3  
**Parameter** Noise (Leq 8 hrs.)  
**Location** GTG#1  
**Measurement Date** Mar 03, 2025  
**Measurement by** Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:57 AM - 11:57 AM	79.0	85.7	77.0
11:57 AM - 12:57 PM	78.4	84.9	77.1
12:57 PM - 01:57 PM	77.4	79.6	76.7
01:57 PM - 02:57 PM	78.0	79.9	77.1
02:57 PM - 03:57 PM	78.5	85.5	77.3
03:57 PM - 04:57 PM	78.4	86.1	77.0
04:57 PM - 05:57 PM	79.0	85.4	76.8
05:57 PM - 06:57 PM	79.5	84.9	77.9

Leq Average 8 hrs. (dB(A))

78.6

Lmax (dB(A))

86.1

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

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**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510648**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number: 3255612-1

Page 1 of 1

**Sample Number** 2510648-4  
**Parameter** Noise (Leq 8 hrs.)  
**Location** GTG#2  
**Measurement Date** Mar 03, 2025  
**Measurement by** Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:25 AM - 11:25 AM	81.0	82.7	80.6
11:25 AM - 12:25 PM	81.0	83.2	80.6
12:25 PM - 01:25 PM	80.9	82.4	80.5
01:25 PM - 02:25 PM	80.9	83.0	80.5
02:25 PM - 03:25 PM	80.9	83.4	80.6
03:25 PM - 04:25 PM	81.0	83.1	80.7
04:25 PM - 05:25 PM	81.2	83.2	80.8
05:25 PM - 06:25 PM	81.4	82.8	81.0

Leq Average 8 hrs. (dB(A))

81.0

Lmax (dB(A))

83.4

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

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**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510648**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number: 3255613-1

Page 1 of 1

**Sample Number** 2510648-5  
**Parameter** Noise (Leq 8 hrs.)  
**Location** STG#1  
**Measurement Date** Mar 03, 2025  
**Measurement by** Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:23 AM - 11:23 AM	82.1	85.1	81.8
11:23 AM - 12:23 PM	82.0	82.8	81.8
12:23 PM - 01:23 PM	81.9	83.7	81.7
01:23 PM - 02:23 PM	81.9	82.9	81.7
02:23 PM - 03:23 PM	82.0	83.6	81.8
03:23 PM - 04:23 PM	81.9	83.1	81.7
04:23 PM - 05:23 PM	81.9	83.6	81.7
05:23 PM - 06:23 PM	81.9	83.0	81.7

Leq Average 8 hrs. (dB(A))

82.0

Lmax (dB(A))

85.1

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

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**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510648**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number: 3255614-1

Page 1 of 1

**Sample Number** 2510648-6  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Air Compressor  
**Measurement Date** Mar 03, 2025  
**Measurement by** Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:33 AM - 11:33 AM	83.5	84.2	83.2
11:33 AM - 12:33 PM	83.3	84.0	83.1
12:33 PM - 01:33 PM	83.1	83.8	82.8
01:33 PM - 02:33 PM	83.1	84.9	82.8
02:33 PM - 03:33 PM	83.3	84.0	83.0
03:33 PM - 04:33 PM	83.5	84.1	83.3
04:33 PM - 05:33 PM	83.6	84.2	83.4
05:33 PM - 06:33 PM	83.6	84.2	83.4

Leq Average 8 hrs. (dB(A))

83.4

Lmax (dB(A))

84.9

Standard (dB(A))

90

140

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**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510648**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number: 3255615-1

Page 1 of 1

**Sample Number** 2510648-7  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Cooling Tower  
**Measurement Date** Mar 03, 2025  
**Measurement by** Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:12 AM - 11:12 AM	84.9	89.1	84.4
11:12 AM - 12:12 PM	84.6	85.3	84.3
12:12 PM - 01:12 PM	84.4	85.1	84.1
01:12 PM - 02:12 PM	84.4	85.3	84.1
02:12 PM - 03:12 PM	84.5	85.3	84.3
03:12 PM - 04:12 PM	84.7	85.3	84.5
04:12 PM - 05:12 PM	84.8	85.4	84.5
05:12 PM - 06:12 PM	84.8	85.5	84.6

Leq Average 8 hrs. (dB(A))

84.6

Lmax (dB(A))

89.1

Standard (dB(A))

90

140

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**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510648**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number: 3255616-1

Page 1 of 1

**Sample Number** 2510648-8  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Auxiliary Boiler  
**Measurement Date** Mar 03, 2025  
**Measurement by** Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:36 AM - 11:36 AM	76.6	81.1	76.3
11:36 AM - 12:36 PM	76.5	77.9	76.2
12:36 PM - 01:36 PM	76.5	78.0	76.2
01:36 PM - 02:36 PM	76.5	78.0	76.2
02:36 PM - 03:36 PM	76.5	78.4	76.3
03:36 PM - 04:36 PM	76.6	78.0	76.3
04:36 PM - 05:36 PM	76.6	78.0	76.4
05:36 PM - 06:36 PM	76.8	78.1	76.5

Leq Average 8 hrs. (dB(A))

76.6

Lmax (dB(A))

81.1

Standard (dB(A))

90

140

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**P/O :** 3100021268  
**Project Name :** Monitoring  
**Project Location :** CUP 2

**Lot ID: 2543340**

Date Received : Jun 17, 2025  
Date Reported : Jun 21, 2025  
Report Number: 3341294-1

Page 1 of 1

**Sample Number** 2543340-1  
**Parameter** Noise (Leq 8 hrs.)  
**Location** HRSG#1  
**Measurement Date** Jun 16, 2025  
**Measurement by** Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:24 PM - 02:24 PM	81.7	83.2	81.6
02:24 PM - 03:24 PM	81.8	82.4	81.7
03:24 PM - 04:24 PM	81.8	82.4	81.7
04:24 PM - 05:24 PM	81.8	82.4	81.6
05:24 PM - 06:24 PM	81.9	82.4	81.8
06:24 PM - 07:24 PM	81.9	82.3	81.8
07:24 PM - 08:24 PM	81.9	82.4	81.8
08:24 PM - 09:24 PM	81.9	82.4	81.8

Leq Average 8 hrs. (dB(A))

81.8

Lmax (dB(A))

83.2

Standard (dB(A))

90

140

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**Project Name :** Monitoring  
**Project Location :** CUP 2

**Lot ID: 2543340**

Date Received : Jun 17, 2025

Date Reported : Jun 21, 2025

Report Number: 3341295-1

Page 1 of 1

**Sample Number** 2543340-2  
**Parameter** Noise (Leq 8 hrs.)  
**Location** HRSG#2  
**Measurement Date** Jun 16, 2025  
**Measurement by** Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:19 PM - 02:19 PM	81.7	89.0	81.6
02:19 PM - 03:19 PM	81.7	82.2	81.6
03:19 PM - 04:19 PM	81.7	82.1	81.6
04:19 PM - 05:19 PM	81.7	82.2	81.6
05:19 PM - 06:19 PM	81.7	82.2	81.6
06:19 PM - 07:19 PM	81.7	82.2	81.7
07:19 PM - 08:19 PM	81.7	82.1	81.6
08:19 PM - 09:19 PM	81.7	82.0	81.6

Leq Average 8 hrs. (dB(A))

81.7

Lmax (dB(A))

89.0

Standard (dB(A))

90

140

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**Project Name :** Monitoring  
**Project Location :** CUP 2

**Lot ID: 2543340**

Date Received : Jun 17, 2025  
Date Reported : Jun 21, 2025  
Report Number: 3341296-1

Page 1 of 1

**Sample Number** 2543340-3  
**Parameter** Noise (Leq 8 hrs.)  
**Location** GTG#1  
**Measurement Date** Jun 16, 2025  
**Measurement by** Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:28 PM - 02:28 PM	78.4	80.1	78.2
02:28 PM - 03:28 PM	78.4	79.7	78.2
03:28 PM - 04:28 PM	78.5	80.0	78.2
04:28 PM - 05:28 PM	78.5	80.0	78.3
05:28 PM - 06:28 PM	78.6	80.1	78.3
06:28 PM - 07:28 PM	78.8	80.0	78.5
07:28 PM - 08:28 PM	78.9	80.1	78.6
08:28 PM - 09:28 PM	78.8	79.9	78.6

Leq Average 8 hrs. (dB(A))

78.6

Lmax (dB(A))

80.1

Standard (dB(A))

90

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150  
**P/O :** 3100021268  
**Project Name :** Monitoring  
**Project Location :** CUP 2

**Lot ID: 2543340**

Date Received : Jun 17, 2025

Date Reported : Jun 21, 2025

Report Number: 3341297-1

Page 1 of 1

**Sample Number** 2543340-4  
**Parameter** Noise (Leq 8 hrs.)  
**Location** GTG#2  
**Measurement Date** Jun 16, 2025  
**Measurement by** Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:22 PM - 02:22 PM	80.7	82.9	80.4
02:22 PM - 03:22 PM	80.8	82.6	80.5
03:22 PM - 04:22 PM	80.8	82.1	80.6
04:22 PM - 05:22 PM	81.0	82.7	80.6
05:22 PM - 06:22 PM	80.8	91.2	80.5
06:22 PM - 07:22 PM	80.7	82.0	80.4
07:22 PM - 08:22 PM	80.6	82.0	80.3
08:22 PM - 09:22 PM	80.7	81.7	80.4

Leq Average 8 hrs. (dB(A))

80.8

Lmax (dB(A))

91.2

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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Technical Management

*Chontichak*

Chonticha Subongkoch  
Scientist (3)

Approved by

*Supot S*

Supot Salamteh  
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**P/O :** 3100021268  
**Project Name :** Monitoring  
**Project Location :** CUP 2

**Lot ID: 2543340**

Date Received : Jun 17, 2025  
Date Reported : Jun 21, 2025  
Report Number: 3341298-1

Page 1 of 1

**Sample Number** 2543340-5  
**Parameter** Noise (Leq 8 hrs.)  
**Location** STG#1  
**Measurement Date** Jun 16, 2025  
**Measurement by** Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:33 PM - 02:33 PM	82.1	83.9	82.0
02:33 PM - 03:33 PM	82.0	83.0	81.9
03:33 PM - 04:33 PM	82.0	82.8	81.9
04:33 PM - 05:33 PM	82.0	82.3	81.9
05:33 PM - 06:33 PM	82.0	82.9	81.9
06:33 PM - 07:33 PM	82.1	82.5	82.0
07:33 PM - 08:33 PM	82.2	83.1	82.0
08:33 PM - 09:33 PM	82.2	82.7	82.1

Leq Average 8 hrs. (dB(A))

82.1

Lmax (dB(A))

83.9

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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Technical Management

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**P/O :** 3100021268  
**Project Name :** Monitoring  
**Project Location :** CUP 2

**Lot ID: 2543340**

Date Received : Jun 17, 2025  
Date Reported : Jun 21, 2025  
Report Number: 3341299-1

Page 1 of 1

**Sample Number** 2543340-6  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Air Compressor  
**Measurement Date** Jun 16, 2025  
**Measurement by** Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:38 PM - 02:38 PM	80.6	88.5	76.7
02:38 PM - 03:38 PM	80.6	88.6	75.7
03:38 PM - 04:38 PM	79.1	88.4	76.2
04:38 PM - 05:38 PM	79.2	88.4	75.5
05:38 PM - 06:38 PM	79.2	88.5	76.8
06:38 PM - 07:38 PM	79.0	88.6	76.6
07:38 PM - 08:38 PM	80.9	88.5	75.6
08:38 PM - 09:38 PM	79.9	88.6	76.4

Leq Average 8 hrs. (dB(A))

79.9

Lmax (dB(A))

88.6

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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Supot Salamteh  
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**P/O :** 3100021268  
**Project Name :** Monitoring  
**Project Location :** CUP 2

**Lot ID: 2543340**

Date Received : Jun 17, 2025

Date Reported : Jun 21, 2025

Report Number: 3341300-1

Page 1 of 1

**Sample Number** 2543340-7  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Cooling Tower  
**Measurement Date** Jun 16, 2025  
**Measurement by** Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:34 PM - 02:34 PM	84.1	84.9	83.9
02:34 PM - 03:34 PM	84.2	84.9	84.1
03:34 PM - 04:34 PM	84.5	85.1	84.3
04:34 PM - 05:34 PM	84.7	85.2	84.5
05:34 PM - 06:34 PM	84.8	85.2	84.7
06:34 PM - 07:34 PM	84.4	85.2	84.3
07:34 PM - 08:34 PM	84.5	85.1	84.4
08:34 PM - 09:34 PM	84.5	85.2	84.4

Leq Average 8 hrs. (dB(A))

84.5

Lmax (dB(A))

85.2

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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Technical Management

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Supot Salamteh  
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**Project Name :** Monitoring  
**Project Location :** CUP 2

**Lot ID: 2543340**

Date Received : Jun 17, 2025  
Date Reported : Jun 21, 2025  
Report Number: 3341301-1

Page 1 of 1

**Sample Number** 2543340-8  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Auxiliary Boiler  
**Measurement Date** Jun 16, 2025  
**Measurement by** Natthapon Jiengwareewong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:41 PM - 02:41 PM	80.3	81.6	80.0
02:41 PM - 03:41 PM	80.4	81.2	80.1
03:41 PM - 04:41 PM	80.3	80.9	80.0
04:41 PM - 05:41 PM	80.5	81.3	80.1
05:41 PM - 06:41 PM	80.7	81.3	80.5
06:41 PM - 07:41 PM	80.8	81.6	80.6
07:41 PM - 08:41 PM	80.9	81.4	80.6
08:41 PM - 09:41 PM	80.9	81.5	80.7

Leq Average 8 hrs. (dB(A))

80.6

Lmax (dB(A))

81.6

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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*Supot S*

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**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**TESTING**

**No.0042**

**Lot ID: 24144423**

Date Received : Jan 14, 2025

Date Reported : Jan 28, 2025

Report Number : 3202479-1

Page 2 of 4

**Sample Number** 24144423-2  
**Sampled Date** Jan 14, 2025 8:50 AM  
**Sample Description** Surface water  
**Location** คลองห้วยใหญ่จุดระบายน้ำทิ้ง  
**Date Analysis Commenced** Jan 14, 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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	7.7	≥2	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	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	22.9	n'	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	172	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

**Sampling By :** Narunat thammasaro

Remark :

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

Approved by

**Photchana S.**

Photchana Seeda  
Scientist (4)

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92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**TESTING**

**No.0042**

**Lot ID: 24144423**

Date Received : Jan 14, 2025

Date Reported : Jan 28, 2025

Report Number : 3202479-1

Page 3 of 4

**Sample Number** 24144423-3  
**Sampled Date** Jan 14, 2025 8:40 AM  
**Sample Description** Surface water  
**Location** คลองห้วยใหญ่จุดระบายน้ำทั้ง 500 เมตร  
**Date Analysis Commenced** Jan 14, 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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	7.0	≥2	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	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	23.0	n'	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	266	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

**Sampling By :** Narunat thammasaro

Remark :

- LOD : Limit of Detection
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*Photchana S.*

Photchana Seeda  
Scientist (4)

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**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**TESTING**

**No.0042**

**Lot ID: 24144423**

Date Received : Jan 14, 2025

Date Reported : Jan 28, 2025

Report Number : 3202479-1

Page 4 of 4

**Sample Number** 24144423-4  
**Sampled Date** Jan 14, 2025 10:00 AM  
**Sample Description** Surface water  
**Location** คลองห้วยใหญ่หลังจุดระบายน้ำทั้ง 2,000 เมตร  
**Date Analysis Commenced** Jan 14, 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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	8.4	≥2	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	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	24.5	n'	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	416	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

**Sampling By :** Narunat thammasaro

Remark :

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Approved by

*Photchana S.*

Photchana Seeda  
Scientist (4)

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**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**TESTING**

**No.0042**

**Lot ID: 24144606**

Date Received : Feb 11, 2025

Date Reported : Feb 24, 2025

Report Number : 3203308-1

Page 3 of 4

<b>Sample Number</b>	24144606-3
<b>Sampled Date</b>	Feb 11, 2025 9:20 AM
<b>Sample Description</b>	Surface water
<b>Location</b>	คลองห้วยใหญ่จุดระบายน้ำทั้ง 500 เมตร
<b>Date Analysis Commenced</b>	Feb 11, 2025
<b>Condition of Sample</b>	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	5.1	≥2	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	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	25.9	n'	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	348	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

**Sampling By :** Surawit Narapong

Remark :

- LOD : Limit of Detection
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Approved by

**Photchana S.**

Photchana Seeda  
Scientist (4)

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**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**TESTING**

**No.0042**

**Lot ID: 2510692**

Date Received : Mar 11, 2025

Date Reported : Mar 18, 2025

Report Number : 3225452-1

Page 1 of 4

<b>Sample Number</b>	2510692-1
<b>Sampled Date</b>	Mar 11, 2025 9:47 AM
<b>Sample Description</b>	Surface water
<b>Location</b>	คลองห้วยใหญ่ก่อนไหลผ่านพื้นที่ 500 เมตร
<b>Date Analysis Commenced</b>	Mar 11, 2025
<b>Condition of Sample</b>	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	4.3	≥2	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		-	-	6.6	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.3	n'	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	94	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

**Sampling By :** Chainusorn Lertnanthakunchai

Remark :

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

Approved by

**Photchana S.**

Photchana Seeda  
Scientist (4)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**TESTING**

**No.0042**

**Lot ID: 2510692**

Date Received : Mar 11, 2025

Date Reported : Mar 18, 2025

Report Number : 3225452-1

Page 2 of 4

<b>Sample Number</b>	2510692-2
<b>Sampled Date</b>	Mar 11, 2025 9:42 AM
<b>Sample Description</b>	Surface water
<b>Location</b>	คลองห้วยใหญ่จุดระบายน้ำทิ้ง
<b>Date Analysis Commenced</b>	Mar 11, 2025
<b>Condition of Sample</b>	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.2	≥2	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	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.2	n'	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	262	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

**Sampling By :** Chainusorn Lertnanthakunchai

Remark :

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Approved by

**Photchana S.**

Photchana Seeda  
Scientist (4)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**TESTING**

**No.0042**

**Lot ID: 2510692**

Date Received : Mar 11, 2025

Date Reported : Mar 18, 2025

Report Number : 3225452-1

Page 3 of 4

<b>Sample Number</b>	2510692-3
<b>Sampled Date</b>	Mar 11, 2025 9:37 AM
<b>Sample Description</b>	Surface water
<b>Location</b>	คลองห้วยใหญ่จุดระบายน้ำทั้ง 500 เมตร
<b>Date Analysis Commenced</b>	Mar 11, 2025
<b>Condition of Sample</b>	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	5.5	≥2	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	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.9	n'	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	320	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

**Sampling By :** Chainusorn Lertnanthakunchai

Remark :

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Approved by

**Photchana S.**

Photchana Seeda  
Scientist (4)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**TESTING**

**No.0042**

**Lot ID: 2510692**

Date Received : Mar 11, 2025

Date Reported : Mar 18, 2025

Report Number : 3225452-1

Page 4 of 4

<b>Sample Number</b>	2510692-4
<b>Sampled Date</b>	Mar 11, 2025 9:55 AM
<b>Sample Description</b>	Surface water
<b>Location</b>	คลองห้วยใหญ่หลังจุดระบายน้ำทั้ง 2,000 เมตร
<b>Date Analysis Commenced</b>	Mar 11, 2025
<b>Condition of Sample</b>	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	7.3	≥2	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	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.5	n'	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	1560	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

**Sampling By :** Chainusorn Lertnanthakunchai

Remark :

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Approved by

**Photchana S.**

Photchana Seeda  
Scientist (4)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**TESTING**

**No.0042**

**Lot ID: 2520672**

Date Received : Apr 08, 2025

Date Reported : Apr 18, 2025

Report Number : 3247298-1

Page 1 of 4

<b>Sample Number</b>	2520672-1
<b>Sampled Date</b>	Apr 08, 2025 9:00 AM
<b>Sample Description</b>	Surface water
<b>Location</b>	คลองห้วยใหญ่ก่อนไหลผ่านพื้นที่ 500 เมตร
<b>Date Analysis Commenced</b>	Apr 08, 2025
<b>Condition of Sample</b>	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	5.6	≥2	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		-	-	6.9	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.7	n'	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	95	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

**Sampling By :** Chainusorn Lertnanthakunchai

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Approved by

**Photchana S.**

Photchana Seeda  
Scientist (4)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**TESTING**

**No.0042**

**Lot ID: 2520672**

Date Received : Apr 08, 2025

Date Reported : Apr 18, 2025

Report Number : 3247298-1

Page 2 of 4

<b>Sample Number</b>	2520672-2
<b>Sampled Date</b>	Apr 08, 2025 8:50 AM
<b>Sample Description</b>	Surface water
<b>Location</b>	คลองห้วยใหญ่จุดระบายน้ำทิ้ง
<b>Date Analysis Commenced</b>	Apr 08, 2025
<b>Condition of Sample</b>	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	5.9	≥2	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	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.5	n'	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	212	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

**Sampling By :** Chainusorn Lertnanthakunchai

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Photchana Seeda  
Scientist (4)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**TESTING**

**No.0042**

**Lot ID: 2520672**

Date Received : Apr 08, 2025

Date Reported : Apr 18, 2025

Report Number : 3247298-1

Page 3 of 4

<b>Sample Number</b>	2520672-3
<b>Sampled Date</b>	Apr 08, 2025 8:45 AM
<b>Sample Description</b>	Surface water
<b>Location</b>	คลองห้วยใหญ่จุดระบายน้ำทั้ง 500 เมตร
<b>Date Analysis Commenced</b>	Apr 08, 2025
<b>Condition of Sample</b>	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	5.5	≥2	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	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.2	n'	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	372	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

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**Sampling By :** Chainusorn Lertnanthakunchai

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Scientist (4)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**TESTING**

**No.0042**

**Lot ID: 2520672**

Date Received : Apr 08, 2025

Date Reported : Apr 18, 2025

Report Number : 3247298-1

Page 4 of 4

<b>Sample Number</b>	2520672-4
<b>Sampled Date</b>	Apr 08, 2025 9:35 AM
<b>Sample Description</b>	Surface water
<b>Location</b>	คลองห้วยใหญ่หลังจุดระบายน้ำทั้ง 2,000 เมตร
<b>Date Analysis Commenced</b>	Apr 08, 2025
<b>Condition of Sample</b>	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	7.6	≥2	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	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.3	n'	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	648	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

**Sampling By :** Chainusorn Lertnanthakunchai

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Photchana Seeda  
Scientist (4)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**TESTING**

**No.0042**

**Lot ID: 2530961**

Date Received : May 30, 2025

Date Reported : Jun 07, 2025

Report Number : 3271948-1

Page 1 of 4

<b>Sample Number</b>	2530961-1
<b>Sampled Date</b>	May 30, 2025 10:20 AM
<b>Sample Description</b>	Surface water
<b>Location</b>	คลองห้วยใหญ่ก่อนไหลผ่านพื้นที่ 500 เมตร
<b>Date Analysis Commenced</b>	May 30, 2025
<b>Condition of Sample</b>	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	3.7	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	5.2	≥2	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	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	28.7	n'	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	127	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

**Sampling By :** Sayan Yatbamrung

Remark :

- LOD : Limit of Detection
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by

**Photchana S.**

Photchana Seeda  
Scientist (4)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**TESTING**

**No.0042**

**Lot ID: 2530961**

Date Received : May 30, 2025

Date Reported : Jun 07, 2025

Report Number : 3271948-1

Page 2 of 4

<b>Sample Number</b>	2530961-2
<b>Sampled Date</b>	May 30, 2025 10:10 AM
<b>Sample Description</b>	Surface water
<b>Location</b>	คลองห้วยใหญ่จุดระบายน้ำทิ้ง
<b>Date Analysis Commenced</b>	May 30, 2025
<b>Condition of Sample</b>	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	3.1	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	5.3	≥2	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	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.1	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	113	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

**Sampling By :** Sayan Yatbamrung

Remark :

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Approved by

**Photchana S.**

Photchana Seeda  
Scientist (4)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**TESTING**

**No.0042**

**Lot ID: 2530961**

Date Received : May 30, 2025

Date Reported : Jun 07, 2025

Report Number : 3271948-1

Page 3 of 4

<b>Sample Number</b>	2530961-3
<b>Sampled Date</b>	May 30, 2025 10:00 AM
<b>Sample Description</b>	Surface water
<b>Location</b>	คลองห้วยใหญ่จุดระบายน้ำทั้ง 500 เมตร
<b>Date Analysis Commenced</b>	May 30, 2025
<b>Condition of Sample</b>	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	5.5	≥2	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		-	-	7.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.1	n'	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	165	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

**Sampling By :** Sayan Yatbamrung

Remark :

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Approved by

*Photchana S.*

Photchana Seeda  
Scientist (4)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**TESTING**

**No.0042**

**Lot ID: 2530961**

Date Received : May 30, 2025

Date Reported : Jun 07, 2025

Report Number : 3271948-1

Page 4 of 4

<b>Sample Number</b>	2530961-4
<b>Sampled Date</b>	May 30, 2025 10:30 AM
<b>Sample Description</b>	Surface water
<b>Location</b>	คลองห้วยใหญ่หลังจุดระบายน้ำทั้ง 2,000 เมตร
<b>Date Analysis Commenced</b>	May 30, 2025
<b>Condition of Sample</b>	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.7	≥2	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		-	-	7.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.6	n'	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	242	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

**Sampling By :** Sayan Yatbamrung

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Approved by

**Photchana S.**

Photchana Seeda  
Scientist (4)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150  
**P/O :** 3100021268  
**Project Name :** Monitoring  
**Project Location :** CUP 2

**TESTING**  
**No.0042**

**Lot ID: 2543345**

Date Received : Jun 17, 2025

Date Reported : Jun 24, 2025

Report Number : 3301571-1

Page 1 of 4

**Sample Number** 2543345-1  
**Sampled Date** Jun 17, 2025 9:40 AM  
**Sample Description** Surface water  
**Location** คลองห้วยใหญ่ก่อนไหลผ่านพื้นที่ 500 เมตร  
**Date Analysis Commenced** Jun 17, 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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	4.7	≥2	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		-	-	6.3	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.3	n'	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	88	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

**Sampling By :** Surawit Narapong

Remark :

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- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by

Jitsupa P.

Jitsupa Pratuangsuk  
Scientist (2)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150  
**P/O :** 3100021268  
**Project Name :** Monitoring  
**Project Location :** CUP 2

**TESTING**  
**No.0042**

**Lot ID: 2543345**

Date Received : Jun 17, 2025

Date Reported : Jun 24, 2025

Report Number : 3301571-1

Page 2 of 4

**Sample Number** 2543345-2  
**Sampled Date** Jun 17, 2025 9:36 AM  
**Sample Description** Surface water  
**Location** คลองห้วยใหญ่จุดระบายน้ำทิ้ง  
**Date Analysis Commenced** Jun 17, 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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	5.7	≥2	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		-	-	6.6	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.0	n'	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	88	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

**Sampling By :** Surawit Narapong

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Approved by

Jitsupa P.

Jitsupa Pratuangsuk  
Scientist (2)

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## Analysis / Test Report

**Client** : Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150  
**P/O** : 3100021268  
**Project Name** : Monitoring  
**Project Location** : CUP 2

**TESTING**  
**No.0042**

**Lot ID: 2543345**

Date Received : Jun 17, 2025

Date Reported : Jun 24, 2025

Report Number : 3301571-1

Page 3 of 4

**Sample Number** : 2543345-3  
**Sampled Date** : Jun 17, 2025 9:30 AM  
**Sample Description** : Surface water  
**Location** : คลองห้วยใหญ่จุดระบายน้ำทั้ง 500 เมตร  
**Date Analysis Commenced** : Jun 17, 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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	5.4	≥2	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		-	-	6.6	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.5	n'	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	166	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline** : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

**Sampling By** : Surawit Narapong

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Jitsupa P.

Jitsupa Pratuangsuk  
Scientist (2)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand 21150  
**P/O :** 3100021268  
**Project Name :** Monitoring  
**Project Location :** CUP 2

**TESTING**  
**No.0042**

**Lot ID: 2543345**

Date Received : Jun 17, 2025

Date Reported : Jun 24, 2025

Report Number : 3301571-1

Page 4 of 4

**Sample Number** 2543345-4  
**Sampled Date** Jun 17, 2025 10:59 AM  
**Sample Description** Surface water  
**Location** คลองห้วยใหญ่หลังจุดระบายน้ำทั้ง 2,000 เมตร  
**Date Analysis Commenced** Jun 17, 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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Dissolved Oxygen *	mg/L	-	0.1	7.3	≥2	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		-	-	6.9	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	33.6	n'	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	412	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

n': Change from Natural condition not more than 3 degree C

**Sampling By :** Surawit Narapong

Remark :

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Approved by

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Jitsupa Pratuangsuk  
Scientist (2)

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand  
21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510675**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number: 3225423-1

Page 1 of 6

**Sample Number** 2510675-1  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** Mar 03, 2025  
**Measurement by** Amnat Wongsakhen  
**Location** ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
Auxiliary Boiler	120	29.7	27.6	35.2	33.7
Average (WBGT)		29.7			
Guideline WBGT (°C)		34.0			

**Reference Method :** Wet Bulb Globe Temperature

**Guideline:**

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

**Technical Management**

Supot Salamteh  
Section Head

**Approved by**

Wichan Choonharat  
Assistant Manager

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## Analysis / Test Report

**Client :** Global Power Synergy Public Company Limited  
92/9, Rayong Highway Road 3191, Map Ta Phut, Mueang, Rayong Thailand  
21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510675**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number: 3225423-1

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**Sample Number** 2510675-2  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** Mar 03, 2025  
**Measurement by** Amnat Wongsakhen  
**Location** ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
HRSG #1	120	29.1	26.9	34.2	34.0
Average (WBGT)		29.1			
Guideline WBGT (°C)		34.0			

**Reference Method :** Wet Bulb Globe Temperature

**Guideline:**

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

**Technical Management**

Supot Salamteh  
Section Head

**Approved by**

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21150

**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510675**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number: 3225423-1

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**Sample Number** 2510675-3  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** Mar 03, 2025  
**Measurement by** Amnat Wongsakhen  
**Location** ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
HRSG #2	120	29.1	26.9	34.4	33.9
Average (WBGT)		29.1			
Guideline WBGT (°C)		34.0			

**Reference Method :** Wet Bulb Globe Temperature

**Guideline:**

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

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**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510675**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number: 3225423-1

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**Sample Number** 2510675-4  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** Mar 03, 2025  
**Measurement by** Amnat Wongsakhen  
**Location** ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
GTG #1	120	29.5	27.5	34.3	33.5
Average (WBGT)		29.5			
Guideline WBGT (°C)		34.0			

**Reference Method :** Wet Bulb Globe Temperature

**Guideline:**

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
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**P/O :**

**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510675**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number: 3225423-1

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**Sample Number** 2510675-5  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** Mar 03, 2025  
**Measurement by** Amnat Wongsakhen  
**Location** ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
GTG #2	120	29.4	27.6	33.9	33.4
Average (WBGT)		29.4			
Guideline WBGT (°C)		34.0			

**Reference Method :** Wet Bulb Globe Temperature

**Guideline:**

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
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**Project Name :** Monitoring

**Project Location :** CUP 2

**Lot ID: 2510675**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number: 3225423-1

Page 6 of 6

**Sample Number** 2510675-6  
**Parameter** Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)  
**Measurement Date** Mar 03, 2025  
**Measurement by** Amnat Wongsakhen  
**Location** ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
STG #1	120	29.1	26.9	34.2	34.2
Average (WBGT)		29.1			
Guideline WBGT (°C)		34.0			

**Reference Method :** Wet Bulb Globe Temperature

**Guideline:**

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
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