

## ภาคผนวก จ-5

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สำเนาหนังสือตอบรับการเชื่อมต่อสัญญาณ

COD/BOD Online



ที่ อก ๐๓๐๓/ ๕๗๕๗

Ratchaburi Power Company Limited		
Receive No. 4๐๑/๒๐๑๒	Date 3๐/0๔/12	By. ๕
<input type="checkbox"/> FAX	<input type="checkbox"/> E-Mail	<input checked="" type="checkbox"/> By
Reply No.	Date	By
กรมโรงงานอุตสาหกรรม		
<input type="checkbox"/> FAX	<input type="checkbox"/> E-Mail	<input type="checkbox"/> By
ถนนพระรามที่ ๖ เขตราชเทวี		
กรุงเทพมหานคร ๑๐๕๐๐		

๒๕ เมษายน ๒๕๕๕

เรื่อง ขอเชื่อมต่อสัญญาณเครื่องมือหรืออุปกรณ์พิเศษ (COD Online)

เรียน ผู้รับใบอนุญาตประกอบกิจการโรงงานบริษัท ราชบุรีเพาเวอร์ จำกัด

อ้างถึง หนังสือบริษัท ราชบุรีเพาเวอร์ จำกัด ลงวันที่ ๖ มีนาคม ๒๕๕๕

ตามหนังสือที่อ้างถึงบริษัท ราชบุรีเพาเวอร์ จำกัด ทะเบียนโรงงานเลขที่ ๓-๘๘-๕/๔๘รบ  
แจ้งผลการดำเนินการติดตั้งเครื่องมือ COD/BOD Online แล้วเสร็จ และมีความประสงค์จะเชื่อมต่อสัญญาณมายัง  
กรมโรงงานอุตสาหกรรม ซึ่งความละเอียดแจ้งแล้ว นั้น

กรมโรงงานอุตสาหกรรม ได้ทดสอบการเชื่อมโยงระบบการรับ-ส่งข้อมูลการตรวจวัดค่าซีโอดี  
บีโอดี อัตราการไหลของน้ำทิ้งและปริมาณการใช้ไฟฟ้าสำหรับระบบบำบัดน้ำเสียของบริษัท ราชบุรีเพาเวอร์ จำกัด  
ทะเบียนโรงงานเลขที่ ๓-๘๘-๕/๔๘รบ แล้ว พบว่าสามารถเชื่อมโยงเข้าสู่ระบบตรวจสอบมลพิษระยะไกล (OPMS)  
ของกรมโรงงานอุตสาหกรรมได้

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ

  
(นายพงษ์เทพ จารุอำพรพรณ)  
รองอธิบดี ปฏิบัติราชการแทน  
อธิบดีกรมโรงงานอุตสาหกรรม

ศูนย์สารสนเทศโรงงานอุตสาหกรรม  
กลุ่มสนับสนุนและบริการงานสารสนเทศ  
โทร. ๐ ๒๒๐๒ ๔๑๒๘  
โทรสาร ๐ ๒๒๐๒ ๔๑๗๗  
<http://www.diw.go.th>

## ภาคผนวก จ-6

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ผลการตรวจวิเคราะห์คุณภาพน้ำผิวดินและ  
นิเวศวิทยาทางน้ำ

คุณภาพน้ำผิวดินบริเวณแม่น้ำแม่กลอง  
บริเวณบ้านท่าราบ (ตามมาตราการ EIA)

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 23100771**

Date Received : Sep 15, 2023

Date Reported : Sep 23, 2023

Report Number : 2758832-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 1 of 4

<b>Sample Number</b>	23100771-1
<b>Sampled Date</b>	Sep 15, 2023 9:20 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	บริเวณแม่น้ำแม่กลองบริเวณบ้านท่าราบ : กึ่งกลางลำน้ำแม่น้ำแม่กลอง ( GPS 47P 0588445 , 1501255 )
<b>Date Analysis Commenced</b>	Sep 15, 2023
<b>Condition of Sample</b>	Contained in six plastic bottles, two BOD bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Calcium	mg/L	0.03	0.05	33.9	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Copper	mg/L	0.0003	0.0005	0.0006	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Iron	mg/L	0.003	0.005	0.22	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	<0.0005	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Magnesium	mg/L	0.03	0.05	7.51	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok

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

Approved by

Sithichok T.

Sithichok Thongnguen

Scientist (3)

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

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## Analysis / Test Report

**Client :** Ratchaburi Power Co., Ltd.  
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130  
**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE  
**Project Name :** Mornitoring EIA  
**Project Location :**

**TESTING**  
**No.0009**

**Lot ID: 23100771**

Date Received : Sep 15, 2023

Date Reported : Sep 23, 2023

Report Number : 2758832-1

Page 2 of 4

<b>Sample Number</b>	23100771-1						
<b>Sampled Date</b>	Sep 15, 2023 9:20 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	บริเวณแม่น้ำแม่กลองบริเวณบ้านท่าราบ : กึ่งกลางลำน้ำแม่น้ำแม่กลอง ( GPS 47P 0588445 , 1501255 )						
<b>Date Analysis Commenced</b>	Sep 15, 2023						
<b>Condition of Sample</b>	Contained in six plastic bottles, two BOD bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Zinc	mg/L	0.003	0.005	Not Detected	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>							
Fecal Coliform	MPN/100mL	-	-	330.0	≤4000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
Total Coliform	MPN/100mL	-	-	1100.0	≤20000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Chloride as Cl *	mg/L	0.06	0.2	15.2	No Standard	In - house method : STM 04-004 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Color *	Color unit	-	5	<5	n	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	269	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.4	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok

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Approved by

Sithichok T.

Sithichok Thongnguen  
Scientist (3)



## Analysis / Test Report

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 23100771**

Date Received : Sep 15, 2023

Date Reported : Sep 23, 2023

Report Number : 2758832-1

Page 3 of 4

<b>Sample Number</b>	23100771-1						
<b>Sampled Date</b>	Sep 15, 2023 9:20 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	บริเวณแม่น้ำแม่กลองบริเวณบ้านท่าราบ : กึ่งกลางลำน้ำแม่น้ำแม่กลอง ( GPS 47P 0588445 , 1501255 )						
<b>Date Analysis Commenced</b>	Sep 15, 2023						
<b>Condition of Sample</b>	Contained in six plastic bottles, two BOD bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Nitrate as N	mg/L	0.06	0.2	0.3	≤5	In - house method : STM 04-004 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
pH at 25 degree C		-	-	7.4	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Phosphate as P *	mg/L	0.15	0.5	Not Detected	No Standard	In - house method : STM 04-004 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Salinity *	ppt	-	0.1	0.1	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2520 B	Bangkok
Sulfate *	mg/L	0.15	0.5	7.4	No Standard	In - house method : STM 04-004 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Temperature *	Degree C	-	-	30.1	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Alkalinity as CaCO <sub>3</sub> *	mg/L	-	1	117	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	138	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok

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Approved by

Sithichok T.

Sithichok Thongnguen

Scientist (3)



## Analysis / Test Report

TESTING

No.0009

**Lot ID: 23100771**

Date Received : Sep 15, 2023

Date Reported : Sep 23, 2023

Report Number : 2758832-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 4 of 4

<b>Sample Number</b>	23100771-1
<b>Sampled Date</b>	Sep 15, 2023 9:20 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	บริเวณแม่น้ำแม่กลองบริเวณบ้านท่าราบ : กึ่งกลางลำน้ำแม่น้ำแม่กลอง ( GPS 47P 0588445 , 1501255 )
<b>Date Analysis Commenced</b>	Sep 15, 2023
<b>Condition of Sample</b>	Contained in six plastic bottles, two BOD bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Total Hardness as CaCO <sub>3</sub> *	mg/L	-	1	110	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2340 C, 2340 C	Bangkok
Total Solids Dried at 103-105 degree C *	mg/L	-	5	150	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	11	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok
Turbidity *	NTU	-	0.1	6.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2130 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Prapot Wannachoochai

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

Sithichok T.

Sithichok Thongnguen

Scientist (3)

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คุณภาพน้ำผิวดินบริเวณคลองบางป่า 3 จุด  
(ตามมาตรการ EIA)

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## Analysis / Test Report

**Client :** Ratchaburi Power Co., Ltd.  
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130  
**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE  
**Project Name :** Mornitoring EIA  
**Project Location :**

**TESTING**  
**No.0009**

**Lot ID: 23110305**

Date Received : Sep 27, 2023

Date Reported : Oct 04, 2023

Report Number : 2784198-1

Page 1 of 9

**Sample Number** 23110305-1  
**Sampled Date** Sep 27, 2023 9:10 AM  
**Sample Description** Surface Water  
**Location** คลองบางป่า : จุดปล่อยน้ำทิ้ง ( GPS 47P 0593523 , 1501000 )  
**Date Analysis Commenced** Sep 27, 2023  
**Condition of Sample** Contained in one amber glass bottle, five plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.001	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Iron	mg/L	0.003	0.005	0.54	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.0008	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Zinc	mg/L	0.003	0.005	<0.005	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

### Water Testing

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

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 23110305**

Date Received : Sep 27, 2023

Date Reported : Oct 04, 2023

Report Number : 2784198-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 2 of 9

<b>Sample Number</b>	23110305-1						
<b>Sampled Date</b>	Sep 27, 2023 9:10 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	คลองบางป่า : จุดปล่อยน้ำทิ้ง ( GPS 47P 0593523 , 1501000 )						
<b>Date Analysis Commenced</b>	Sep 27, 2023						
<b>Condition of Sample</b>	Contained in one amber glass bottle, five plastic bottles and two glass vials, 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD *	mg/L	-	25	33	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1103	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.2	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.4	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Phosphate as P *	mg/L	0.15	0.5	Not Detected	No Standard	In - house method : STM 04-004 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Temperature *	Degree C	-	-	29.8	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	588	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Solids Dried at 103-105 degree C *	mg/L	-	5	598	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 B	Bangkok

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 23110305**

Date Received : Sep 27, 2023

Date Reported : Oct 04, 2023

Report Number : 2784198-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 3 of 9

<b>Sample Number</b>	23110305-1
<b>Sampled Date</b>	Sep 27, 2023 9:10 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	คลองบางป่า : จุดปล่อยน้ำทิ้ง ( GPS 47P 0593523 , 1501000 )
<b>Date Analysis Commenced</b>	Sep 27, 2023
<b>Condition of Sample</b>	Contained in one amber glass bottle, five plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok
Turbidity *	NTU	-	0.1	8.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2130 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Prapot Wannachoochai

Remark :

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

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Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 23110305**

Date Received : Sep 27, 2023

Date Reported : Oct 04, 2023

Report Number : 2784198-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 4 of 9

<b>Sample Number</b>	23110305-2						
<b>Sampled Date</b>	Sep 27, 2023 10:00 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	คลองบางป่า : เหนือจุดปล่อยน้ำทิ้ง 1 km ( GPS 47P 0593772 , 1501462 )						
<b>Date Analysis Commenced</b>	Sep 27, 2023						
<b>Condition of Sample</b>	Contained in one amber glass bottle, five plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.001	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Iron	mg/L	0.003	0.005	0.67	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.0007	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Zinc	mg/L	0.003	0.005	0.01	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

### Water Testing

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 23110305**

Date Received : Sep 27, 2023

Date Reported : Oct 04, 2023

Report Number : 2784198-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 5 of 9

<b>Sample Number</b>	23110305-2
<b>Sampled Date</b>	Sep 27, 2023 10:00 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	คลองบางป่า : เหนือจุดปล่อยน้ำทิ้ง 1 km ( GPS 47P 0593772 , 1501462 )
<b>Date Analysis Commenced</b>	Sep 27, 2023
<b>Condition of Sample</b>	Contained in one amber glass bottle, five plastic bottles and two glass vials, 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	3.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD *	mg/L	-	25	39	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1094	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.8	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Phosphate as P *	mg/L	0.15	0.5	Not Detected	No Standard	In - house method : STM 04-004 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Temperature *	Degree C	-	-	29.9	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	566	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Solids Dried at 103-105 degree C *	mg/L	-	5	580	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 B	Bangkok

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Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager



## Analysis / Test Report

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 23110305**

Date Received : Sep 27, 2023

Date Reported : Oct 04, 2023

Report Number : 2784198-1

Page 6 of 9

<b>Sample Number</b>	23110305-2
<b>Sampled Date</b>	Sep 27, 2023 10:00 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	คลองบางป่า : เหนือจุดปล่อยน้ำทิ้ง 1 km ( GPS 47P 0593772 , 1501462 )
<b>Date Analysis Commenced</b>	Sep 27, 2023
<b>Condition of Sample</b>	Contained in one amber glass bottle, five plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	13	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok
Turbidity *	NTU	-	0.1	12	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2130 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Prapot Wannachoochai

Remark :

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

TESTING

No.0009

**Lot ID: 23110305**

Date Received : Sep 27, 2023

Date Reported : Oct 04, 2023

Report Number : 2784198-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 7 of 9

<b>Sample Number</b>	23110305-3						
<b>Sampled Date</b>	Sep 27, 2023 9:20 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	คลองบางป่า : ใต้จุดปล่อยน้ำทิ้ง 1 km ( GPS 47P 0593840 , 1500128 )						
<b>Date Analysis Commenced</b>	Sep 27, 2023						
<b>Condition of Sample</b>	Contained in one amber glass bottle, five plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.002	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Iron	mg/L	0.003	0.005	0.70	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.0008	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Zinc	mg/L	0.003	0.005	0.010	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

### Water Testing

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 23110305**

Date Received : Sep 27, 2023

Date Reported : Oct 04, 2023

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245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 8 of 9

<b>Sample Number</b>	23110305-3						
<b>Sampled Date</b>	Sep 27, 2023 9:20 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	คลองบางป่า : ใต้จุดปล่อยน้ำทิ้ง 1 km ( GPS 47P 0593840 , 1500128 )						
<b>Date Analysis Commenced</b>	Sep 27, 2023						
<b>Condition of Sample</b>	Contained in one amber glass bottle, five plastic bottles and two glass vials, 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	2.5	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD *	mg/L	-	25	37	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1095	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.0	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Phosphate as P *	mg/L	0.15	0.5	Not Detected	No Standard	In - house method : STM 04-004 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Temperature *	Degree C	-	-	29.9	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	608	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Solids Dried at 103-105 degree C *	mg/L	-	5	628	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 B	Bangkok

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Sawitree Noisangiam  
Manager



## Analysis / Test Report

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 23110305**

Date Received : Sep 27, 2023

Date Reported : Oct 04, 2023

Report Number : 2784198-1

Page 9 of 9

<b>Sample Number</b>	23110305-3						
<b>Sampled Date</b>	Sep 27, 2023 9:20 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	คลองบางป่า : ใต้จุดปล่อยน้ำทิ้ง 1 km ( GPS 47P 0593840 , 1500128 )						
<b>Date Analysis Commenced</b>	Sep 27, 2023						
<b>Condition of Sample</b>	Contained in one amber glass bottle, five plastic bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	18	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok
Turbidity *	NTU	-	0.1	13	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2130 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Prapot Wannachoochai

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
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สถานีวิจัยประมงศรีราชา  
101/12 หมู่ 9 ต. บางพระ  
อ. ศรีราชา จ. ชลบุรี 20110  
โทร./โทรสาร. (038) 311379

Client : Ratchaburi Power Co., Ltd.

Address : 245 Moo 6 Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi, Thailand, 70130

Project name : Mornitoring EIA

รายงานผลการวิเคราะห์แพลงก์ตอนพืช

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 17 กรกฎาคม 2566)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	2379946-1	2379946-2	2379946-3	2379946-4
<b>Division Cyanophyta</b>				
<b>Class Cyanophyceae</b>				
<b>Order Nostocales</b>				
<b>Family Oscillatoriaceae</b>				
1. <i>Lyngbya</i> sp.	-	-	56,000	407,000
2. <i>Oscillatoria princeps</i>	32,000	16,000	-	116,000
3. <i>Oscillatoria tenuis</i>	475,000	157,000	14,000	58,000
4. <i>Oscillstoria</i> sp.	-	126,000	212,000	102,000
5. <i>Spirulina platensis</i>	-	173,000	42,000	-
<b>Family Nostocaceae</b>				
6. <i>Cylindrospermum</i> sp.	32,000	-	-	-
7. <i>Raphidiopsis</i> sp.	86,000	-	71,000	262,000

**ตาราง ผลการวิเคราะห์แฟลงก์ตอนพืช (เก็บตัวอย่างวันที่ 17 กรกฎาคม 2566)**

(ต่อ)

ชนิดแฟลงก์ตอนพืช	ปริมาณแฟลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	2379946-1	2379946-2	2379946-3	2379946-4
<b>Division Chlorophyta</b>				
<b>Class Chlorophyceae</b>				
<b>Order Volvocales</b>				
<b>Family Volvocaceae</b>				
8. <i>Pandorina morum</i>	-	-	-	15,000
9. <i>Gonium pectorale</i>	11,000	-	-	-
10. <i>Gonium sociale</i>	-	94,000	-	-
<b>Order Chlorococcales</b>				
<b>Family Hydrodictyaceae</b>				
11. <i>Pediastrum simplex</i>	130,000	-	-	-
12. <i>Pediastrum tetras</i>	-	-	28,000	-
<b>Family Coelastraceae</b>				
13. <i>Coelastrum microporum</i>	32,000	-	42,000	-
<b>Family Oocystaceae</b>				
14. <i>Ankistrodesmus falcatus</i>	-	-	14,000	-
15. <i>Schraederia setigera</i>	-	31,000	-	15,000
<b>Family Scenedesmaceae</b>				
16. <i>Actinastrum hantzschii</i>	97,000	-	-	-
17. <i>Crucigenia apiculata</i>	86,000	-	71,000	-
18. <i>Crucigenia rectangularis</i>	-	-	14,000	-
19. <i>Scenedesmus armatus</i>	-	16,000	-	175,000
20. <i>Scenedesmus dimorphus</i>	-	47,000	28,000	131,000
21. <i>Scenedesmus opoliensis</i>	11,000	16,000	-	-
22. <i>Scenedesmus</i> sp.	-	157,000	99,000	44,000
<b>Order Zygomatales</b>				
<b>Family Desmidiaceae</b>				
23. <i>Staurostrum manfeldtii</i>	65,000	-	-	-

**ตาราง ผลการวิเคราะห์แฟลงก์ตอนพืช (เก็บตัวอย่างวันที่ 17 กรกฎาคม 2566)**

(ต่อ)

ชนิดแฟลงก์ตอนพืช	ปริมาณแฟลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	2379946-1	2379946-2	2379946-3	2379946-4
<b>Class Euglenophyceae</b>				
<b>Order Euglenales</b>				
<b>Family Euglenaceae</b>				
24. <i>Euglena acus</i>	-	47,000	56,000	29,000
25. <i>Lepocinclis ovum</i>	43,000	251,000	226,000	-
26. <i>Phacus angulatus</i>	-	63,000	-	-
27. <i>Phacus longicauda</i>	-	-	14,000	-
28. <i>Phacus</i> sp.	-	16,000	-	-
<b>Division Chromophyta</b>				
<b>Class Bacillariophyceae</b>				
<b>Order Biddulphiales</b>				
<b>Suborder Coscinodiscineae</b>				
<b>Family Thalassiosiraceae</b>				
29. <i>Cyclotella stelligera</i>	64,000	1,507,000	1,523,000	815,000
<b>Family Melosiraceae</b>				
30. <i>Melosira varians</i>	76,000	-	-	-
<b>Family Aulacoseiraceae</b>				
31. <i>Aulacoseira granulata</i>	302,000	-	-	-
<b>Suborder Rhizosoleniineae</b>				
<b>Family Rhizosoleniaceae</b>				
32. <i>Rhizosolenia striata</i>	-	16,000	-	29,000
<b>Order Bacillariales</b>				
<b>Suborder Fragilariineae</b>				
<b>Family Fragilariaceae</b>				
33. <i>Fragilaria capucina</i>	346,000	188,000	56,000	-
34. <i>Synedra rumpens</i>	86,000	-	-	233,000
35. <i>Synedra ulna</i>	864,000	236,000	14,000	-

**ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 17 กรกฎาคม 2566)**

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	2379946-1	2379946-2	2379946-3	2379946-4
<b>Suborder Bacillariineae</b>				
<b>Family Cymbellaceae</b>				
36. <i>Gomphonema parvulum</i>	-	-	-	15,000
<b>Family Naviculaceae</b>				
37. <i>Frustulia vulgaris</i>	-	-	-	15,000
38. <i>Gyrosigma acuminatum</i>	-	-	-	15,000
39. <i>Gyrosigma attenuatum</i>	119,000	31,000	-	-
40. <i>Navicula cuspidata</i>	43,000	-	-	-
41. <i>Navicula lanceolata</i>	-	-	-	15,000
42. <i>Pinnularia gibba</i>	22,000	-	-	-
<b>Family Bacillariaceae</b>				
43. <i>Nitzschia lorenziana</i>	22,000	-	-	-
<b>Family Surirellaceae</b>				
44. <i>Surirella capronii</i>	216,000	63,000	-	-
45. <i>Surirella elegans</i>	184,000	-	-	-
46. <i>Surirella gracilis</i>	11,000	-	-	-
47. <i>Surirella elegans</i>	-	-	-	-
48. <i>Surirella linearis</i>	11,000	-	-	-
<b>Class Dinophyceae</b>				
<b>Order Peridinales</b>				
<b>Family Peridiniaceae</b>				
49. <i>Peridinium cunningtonii</i>	22,000	-	-	-
50. <i>Peridinium</i> sp.	22,000	-	14,000	-
<b>ชนิดแพลงก์ตอนพืช</b>	<b>28</b>	<b>20</b>	<b>19</b>	<b>18</b>
<b>ปริมาณแพลงก์ตอนพืช</b>	<b>3,510,000</b>	<b>3,251,000</b>	<b>2,594,000</b>	<b>2,491,000</b>
<b>ดัชนีความหลากหลายแพลงก์ตอนพืช</b>	<b>2.6556</b>	<b>2.0814</b>	<b>1.7004</b>	<b>2.1824</b>
<b>ดัชนีความสม่ำเสมอแพลงก์ตอนพืช</b>	<b>0.7969</b>	<b>0.6948</b>	<b>0.5775</b>	<b>0.7551</b>

**Sample Location :**

1. สถานี 2379946-1 : แม่น้ำแม่กลองบริเวณท่าราบ (GPS 47P 0588445, 1501255)
2. สถานี 2379946-2 : คลองบางป่า : เหนือจุดปล่อยน้ำทิ้ง (GPS 47P 0593772, 1501462)
3. สถานี 2379946-3 : คลองบางป่า : จุดปล่อยน้ำทิ้ง (GPS 47P 0593523, 1501000)
4. สถานี 2379946-4 : คลองบางป่า : ใต้จุดปล่อยน้ำทิ้ง (GPS 47P 0593840, 1500128)

**Condition of Sample :** contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)



(นางสาวกนกวรรณ ขวค้อน)

ผู้วิเคราะห์



(นายอลงกต อินทรชาติ)

หัวหน้าสถานีวิจัยประมงศรีราชา





สถานีวิจัยประมงศรีราชา  
101/12 หมู่ 9 ต. บางพระ  
อ. ศรีราชา จ. ชลบุรี 20110  
โทร./โทรสาร. (038) 311379

Client : Ratchaburi Power Co., Ltd.

Address : 245 Moo 6 Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi, Thailand, 70130

Project name : Mornitoring EIA

รายงานผลการวิเคราะห์แหล่งกักต่อนสัตว์

ตาราง ผลการวิเคราะห์แหล่งกักต่อนสัตว์ (เก็บตัวอย่างวันที่ 17 กรกฎาคม 2566)

ชนิดแหล่งกักต่อนสัตว์	ปริมาณแหล่งกักต่อนสัตว์ (หน่วยต่อลูกบาศก์เมตร)			
	2379946-1	2379946-2	2379946-3	2379946-4
<b>Phylum Protozoa</b>				
<b>Subphylum Plasmodroma</b>				
<b>Class Sarcodina</b>				
<b>Subclass Rhizopoda</b>				
<b>Order Testacida</b>				
<b>Family Euglyphidae</b>				
1. <i>Euglypha rotunda</i>	-	-	14,000	29,000
<b>Subphylum Ciliophora</b>				
<b>Class Ciliata</b>				
<b>Subclass Spirotricha</b>				
<b>Order Tintinnida</b>				
<b>Family Codonellidae</b>				
2. <i>Tintinnopsis</i> sp.	22,000	31,000	14,000	-
3. <i>Tintinnopsis tocaninensis</i>	-	31,000	14,000	-

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 17 กรกฎาคม 2566)

(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)			
	2379946-1	2379946-2	2379946-3	2379946-4
<b>Phylum Rotifera</b>				
<b>Class Monogononta</b>				
<b>Order Ploima</b>				
<b>Family Brachionidae</b>				
4. <i>Brachionus angularis</i>	-	-	-	15,000
5. <i>Brachionus caudatus</i>	-	-	-	29,000
6. <i>Brachionus plicatilis</i>	22,000	31,000	28,000	15,000
7. <i>Brachionus</i> sp.	11,000	-	-	-
<b>Family Notommatidae</b>				
8. <i>Cephalodella gibba</i>	-	-	-	29,000
<b>Family Synchaetidae</b>				
9. <i>Polyarthra dolichoptera</i>	-	-	14,000	29,000
10. <i>Polyarthra vulgaris</i>	-	-	14,000	-
<b>Order Flosculariacea</b>				
<b>Family Testudinellidae</b>				
11. <i>Filinia terminalis</i>	-	31,000	-	15,000
<b>Class Digononta</b>				
<b>Family Philodinidae</b>				
12. <i>Rotaria rotatoria</i>	11,000	-	-	44,000
<b>Phylum Arthropoda</b>				
<b>Class Crustacea</b>				
<b>Subclass Ostracoda</b>				
<b>Order Podocopa</b>				
<b>Family Cypridae</b>				
13. <i>Cypridopsis</i> sp.	11,000	-	-	-
<b>Subclass Copepoda</b>				
14. Copepod nauplius	11,000	-	14,000	29,000

**ตาราง ผลการวิเคราะห์เพลงก่ตอนสัตว์ (เก็บตัวอย่างวันที่ 17 กรกฎาคม 2566)**

(ต่อ)

ชนิดเพลงก่ตอนสัตว์	ปริมาณเพลงก่ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)			
	2379946-1	2379946-2	2379946-3	2379946-4
ชนิดเพลงก่ตอนสัตว์	6	4	7	9
ปริมาณเพลงก่ตอนสัตว์	88,000	124,000	112,000	234,000
ดัชนีความหลากหลายเพลงก่ตอนสัตว์	1.7329	1.3863	1.9062	2.1364
ดัชนีความสม่ำเสมอเพลงก่ตอนสัตว์	0.9671	1.0000	0.9796	0.9723

**Sample Location :**

1. สถานี 2379946-1 : แม่น้ำแม่กลองบริเวณท่าราบ (GPS 47P 0588445, 1501255)
2. สถานี 2379946-2 : คลองบางป่า : เหนือจุดปล่อยน้ำทิ้ง (GPS 47P 0593772, 1501462)
3. สถานี 2379946-3 : คลองบางป่า : จุดปล่อยน้ำทิ้ง (GPS 47P 0593523, 1501000)
4. สถานี 2379946-4 : คลองบางป่า : ใต้จุดปล่อยน้ำทิ้ง (GPS 47P 0593840, 1500128)

**Condition of Sample :** contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)



(นางสาวกนกวรรณ ขาวค่อน)

ผู้วิเคราะห์



(นายอลงกต อินทราชติ)

หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา  
101/12 หมู่ 9 ต. บางพระ  
อ. ศรีราชา จ. ชลบุรี 20110  
โทร./โทรสาร. (038) 311379

Client: Ratchaburi Power Co., Ltd.

Address: 245 Moo 6 Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi, Thailand, 70130

Project Name: Monitoring EIA

รายงานผลการวิเคราะห์สัตว์น้ำวัยอ่อน

ตาราง ผลการวิเคราะห์สัตว์น้ำวัยอ่อน (เก็บตัวอย่างวันที่ 17 กรกฎาคม 2566)

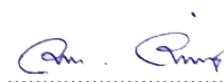
ชนิดสัตว์น้ำวัยอ่อน	ปริมาณสัตว์น้ำวัยอ่อน (หน่วยต่อลูกบาศก์เมตร)
	2379946-1
Phylum Arthropoda	11,000
Class Crustacea	
Subclass Copepoda	
Copepod nauplius	
ชนิดสัตว์น้ำวัยอ่อน	1
ปริมาณสัตว์น้ำวัยอ่อน	11,000

Sample Location : 1. สถานี 2379946-1 : แม่น้ำแม่กลองบริเวณท่าราบ (GPS 47P 0588445, 1501255)

Condition of Sample : contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)



(นางสาวกนกวรรณ ขาวค้อน)  
ผู้วิเคราะห์



(นายอลงกต อินทรชาติ)  
หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา

101/12 หมู่ 9 ต. บางพระ อ. ศรีราชา จ. ชลบุรี 20110

โทร./โทรสาร. (038) 311379

Client: Ratchaburi Power Co., Ltd.

Address: 245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi, Thailand, 70130

Project Name: Monitoring EIA

### รายงานผลการวิเคราะห์พันธุ์ไม้น้ำ

ตาราง ผลการวิเคราะห์พันธุ์ไม้น้ำ (เก็บตัวอย่างวันที่ 17 กรกฎาคม 2566)

วงศ์	ชื่อวิทยาศาสตร์	ชื่อภาษาไทย	การแพร่กระจายพันธุ์ไม้น้ำ
			2379946-1
พืชลอยน้ำ			
Pontederiaceae	<i>Eichhornia crassipes</i>	ผักตบชวา	+
พืชชายน้ำ			
Amaranthaceae	<i>Alternanthera sessilis</i>	ผักเป็ดไทย	+
Asteraceae	<i>Eclipta prostrata</i>	กะเม็ง	+

ตาราง ผลการวิเคราะห์พันธุ์ไม้หญ้า (เก็บตัวอย่างวันที่ 17 กรกฎาคม 2566) (ต่อ)

วงศ์	ชื่อวิทยาศาสตร์	ชื่อภาษาไทย	การแพร่กระจายพันธุ์ไม้หญ้า
			2379946-1
Poaceae	<i>Wedelia trilobata</i>	กระดุมทองเลื้อย	+++
	<i>Brachiaria mutica</i>	หญ้าขน	++
	<i>Brachiaria reptans</i>	หญ้าตีนติด	+
	<i>Leptochloa chinensis</i>	หญ้าดอกขาว	++
รวมจำนวนชนิดพันธุ์ไม้หญ้าที่พบทั้งหมด			7

Sample Location : - ไม่พบ      + น้อย      ++ ปานกลาง      +++ มาก

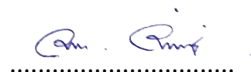
1. สถานี 2379946-1 : แม่น้ำแม่กลองบริเวณท่าราบ (GPS 47P 0588445, 1501255)

Condition of Sample : Data sheet



(นายอรรถวุฒิ กันทะวงศ์)

ผู้วิเคราะห์



(นายอลงกต อินทรชาติ)

หัวหน้าสถานีวิจัยประมงศรีราชา

บริเวณหน้าประตูระบายน้ำ และบริเวณหลังประตูระบายน้ำ  
(นอกมาตรการ EIA)

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2379942**

Date Received : Jul 17, 2023

Date Reported : Jul 24, 2023

Report Number : 2727221-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 1 of 1

<b>Sample Number</b>	2379942-1						
<b>Sampled Date</b>	Jul 17, 2023 9:30 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	คลองบางป่า : หน้าประตูระบายน้ำ ( GPS 47P 0593438 , 1501022 )						
<b>Date Analysis Commenced</b>	Jul 18, 2023						
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	596	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.1	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.4	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.5	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Prapot Wannachoochai

Remark :

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

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

Approved by

Siriluk P.

Siriluk Puengpang  
Section Head

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2379942**

Date Received : Jul 17, 2023

Date Reported : Jul 24, 2023

Report Number : 2727222-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 1 of 1

<b>Sample Number</b>	2379942-2						
<b>Sampled Date</b>	Jul 17, 2023 9:35 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	คลองบางป่า : หลังประตูระบายน้ำ ( GPS 47P 0593490 , 1501002 )						
<b>Date Analysis Commenced</b>	Jul 18, 2023						
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	597	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.3	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.1	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.7	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Prapot Wannachoochai

Remark :

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

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

Approved by

Siriluk P.

Siriluk Puengpang  
Section Head

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2391191**

Date Received : Aug 15, 2023

Date Reported : Aug 22, 2023

Report Number : 2753599-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 1 of 1

<b>Sample Number</b>	2391191-1						
<b>Sampled Date</b>	Aug 15, 2023 9:48 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	คลองบางป่า : หน้าประตูระบายน้ำ ( GPS 47P 0593438 , 1501022 )						
<b>Date Analysis Commenced</b>	Aug 16, 2023						
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	409	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.2	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	6.9	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.0	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Norrasat Komal

Remark :

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

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2391191**

Date Received : Aug 15, 2023

Date Reported : Aug 22, 2023

Report Number : 2753600-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 1 of 1

<b>Sample Number</b>	2391191-2						
<b>Sampled Date</b>	Aug 15, 2023 9:45 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	คลองบางป่า : หลังประตูระบายน้ำ ( GPS 47P 0593490 , 1501002 )						
<b>Date Analysis Commenced</b>	Aug 16, 2023						
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	412	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.3	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	6.9	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.1	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Norrasat Komal

Remark :

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

*Suwimon C.*

Suwimon Chairuangwut  
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## Analysis / Test Report

**Client :** Ratchaburi Power Co., Ltd.  
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130  
**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE  
**Project Name :** Mornitoring EIA  
**Project Location :**

**TESTING**  
**No.0009**

**Lot ID: 23110304**

Date Received : Sep 27, 2023

Date Reported : Oct 04, 2023

Report Number : 2797015-1

Page 1 of 1

<b>Sample Number</b>	23110304-1						
<b>Sampled Date</b>	Sep 27, 2023 9:45 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	คลองบางป่า : หน้าประตูระบายน้ำ ( GPS 47P 0593438 , 1501022 )						
<b>Date Analysis Commenced</b>	Sep 28, 2023						
<b>Condition of Sample</b>	Contained in two plastic bottles, two BOD 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	2.5	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1030	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.5	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.5	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.8	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Prapot Wannachoochai

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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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 23110304**

Date Received : Sep 27, 2023

Date Reported : Oct 04, 2023

Report Number : 2797016-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 1 of 1

<b>Sample Number</b>	23110304-2						
<b>Sampled Date</b>	Sep 27, 2023 9:47 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	คลองบางป่า : หลังประตูระบายน้ำ ( GPS 47P 0593490 , 1501002 )						
<b>Date Analysis Commenced</b>	Sep 28, 2023						
<b>Condition of Sample</b>	Contained in two plastic bottles, two BOD 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1043	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.2	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.5	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.8	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Prapot Wannachoochai

Remark :

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Approved by

*Suwimon C.*

Suwimon Chairuangwut  
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## Analysis / Test Report

**Client :** Ratchaburi Power Co., Ltd.  
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130  
**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE  
**Project Name :** Mornitoring EIA  
**Project Location :**

**TESTING**  
**No.0009**  
**Lot ID: 23117319**  
Date Received : Oct 26, 2023  
Date Reported : Nov 02, 2023  
Report Number : 2824356-1

Page 1 of 1

<b>Sample Number</b>	23117319-1
<b>Sampled Date</b>	Oct 26, 2023 9:50 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	คลองบางป่า : หน้าประตูระบายน้ำ ( GPS 47P 0593438 , 1501022 )
<b>Date Analysis Commenced</b>	Oct 27, 2023
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	2.2	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	3839	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.0	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.0	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.7	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Chawanthat Nakpanom

Remark :

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Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 23117319**

Date Received : Oct 26, 2023

Date Reported : Nov 02, 2023

Report Number : 2824357-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 1 of 1

<b>Sample Number</b>	23117319-2						
<b>Sampled Date</b>	Oct 26, 2023 9:55 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	คลองบางป่า : หลังประตูระบายน้ำ ( GPS 47P 0593490 , 1501002 )						
<b>Date Analysis Commenced</b>	Oct 27, 2023						
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	30	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	2.4	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.3	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.6	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Chawanthat Nakpanom

Remark :

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Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

**Client :** Ratchaburi Power Co., Ltd.  
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :**

**Project Name :** Mornitoring EIA

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 23124080**

Date Received : Nov 17, 2023

Date Reported : Nov 23, 2023

Report Number : 2845550-1

Page 1 of 1

<b>Sample Number</b>	23124080-1						
<b>Sampled Date</b>	Nov 17, 2023 10:15 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	คลองบางป่า : หน้าประตูระบายน้ำ ( GPS 47P 0593438 , 1501022 )						
<b>Date Analysis Commenced</b>	Nov 18, 2023						
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1108	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.3	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.5	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.6	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Norrasat Komal

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

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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 :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :**

**Project Name :** Mornitoring EIA

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 23124080**

Date Received : Nov 17, 2023

Date Reported : Nov 23, 2023

Report Number : 2845551-1

Page 1 of 1

<b>Sample Number</b>	23124080-2
<b>Sampled Date</b>	Nov 17, 2023 10:20 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	คลองบางป่า : หลังประตุนายน้ำ ( GPS 47P 0593490 , 1501002 )
<b>Date Analysis Commenced</b>	Nov 18, 2023
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1103	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	2.8	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.3	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Norrasat Komal

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

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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 :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 23120765**

Date Received : Dec 01, 2023

Date Reported : Dec 08, 2023

Report Number : 2858422-1

Page 1 of 1

<b>Sample Number</b>	23120765-1						
<b>Sampled Date</b>	Dec 01, 2023 10:20 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	คลองบางป่า : หน้าประตูระบายน้ำ ( GPS 47P 0593438 , 1501022 )						
<b>Date Analysis Commenced</b>	Dec 02, 2023						
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	956	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	2.8	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.4	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.6	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Chawanthat Nakpanom

Remark :

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Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

**Client** : Ratchaburi Power Co., Ltd.  
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130  
**P/O** : สัญญาเลขที่ RPCL-CM2021-003/SHE  
**Project Name** : Mornitoring EIA  
**Project Location** :

**TESTING**  
**No.0009**  
**Lot ID: 23120765**  
Date Received : Dec 01, 2023  
Date Reported : Dec 08, 2023  
Report Number : 2858423-1

Page 1 of 1

<b>Sample Number</b>	23120765-2
<b>Sampled Date</b>	Dec 01, 2023 10:25 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	คลองบางป่า : หลังประตูระบายน้ำ ( GPS 47P 0593490 , 1501002 )
<b>Date Analysis Commenced</b>	Dec 02, 2023
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	952	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.5	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.2	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.4	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By** : Chawanthat Nakpanom

Remark :

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

Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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## บริเวณคลองบางป่า 3 จุด (นอกมาตรการ EIA)

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2379942**

Date Received : Jul 17, 2023

Date Reported : Jul 24, 2023

Report Number : 2727226-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 1 of 1

<b>Sample Number</b>	2379942-6
<b>Sampled Date</b>	Jul 17, 2023 10:00 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	เหนือจุดปล่อยน้ำทิ้ง 1 km ( GPS 47P 0593772 , 1501462 )
<b>Date Analysis Commenced</b>	Jul 18, 2023
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	621	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.1	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.4	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.3	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Prapot Wannachoochai

Remark :

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

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Approved by

Siriluk P.

Siriluk Puengpang  
Section Head

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2379942**

Date Received : Jul 17, 2023

Date Reported : Jul 24, 2023

Report Number : 2727227-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 1 of 1

<b>Sample Number</b>	2379942-7						
<b>Sampled Date</b>	Jul 17, 2023 9:00 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	ใต้จุดปล่อยน้ำทิ้ง 1 km ( GPS 47P 0593840 , 1500128 )						
<b>Date Analysis Commenced</b>	Jul 18, 2023						
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	644	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	2.4	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.4	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.5	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Prapot Wannachoochai

Remark :

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

Siriluk P.

Siriluk Puengpang  
Section Head

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2391191**

Date Received : Aug 15, 2023

Date Reported : Aug 22, 2023

Report Number : 2753604-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 1 of 1

<b>Sample Number</b>	2391191-6						
<b>Sampled Date</b>	Aug 15, 2023 10:20 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	เหนือจุดปล่อยน้ำทิ้ง 1 km ( GPS 47P 0593772 , 1501462 )						
<b>Date Analysis Commenced</b>	Aug 16, 2023						
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	2.6	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	445	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.9	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.4	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.4	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Norrasat Komal

Remark :

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Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2391191**

Date Received : Aug 15, 2023

Date Reported : Aug 22, 2023

Report Number : 2753605-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 1 of 1

<b>Sample Number</b>	2391191-7						
<b>Sampled Date</b>	Aug 15, 2023 9:38 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	ใต้จุดปล่อยน้ำทิ้ง 1 km ( GPS 47P 0593840 , 1500128 )						
<b>Date Analysis Commenced</b>	Aug 16, 2023						
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	436	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	6.8	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.3	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	34.2	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Norrasat Komal

Remark :

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Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

**Client :** Ratchaburi Power Co., Ltd.  
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130  
**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE  
**Project Name :** Mornitoring EIA  
**Project Location :**

**TESTING**  
**No.0009**  
**Lot ID: 23117319**  
Date Received : Oct 26, 2023  
Date Reported : Nov 02, 2023  
Report Number : 2824361-1

Page 1 of 1

<b>Sample Number</b>	23117319-6
<b>Sampled Date</b>	Oct 26, 2023 10:00 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	เหนือจุดปล่อยน้ำทิ้ง 1 km ( GPS 47P 0593772 , 1501462 )
<b>Date Analysis Commenced</b>	Oct 27, 2023
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	49	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.2	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.9	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.7	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

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

n : Not Change from natural condition

**Sampling By :** Chawanthat Nakpanom

Remark :

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Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

**Client :** Ratchaburi Power Co., Ltd.  
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130  
**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE  
**Project Name :** Mornitoring EIA  
**Project Location :**

**TESTING**  
**No.0009**  
**Lot ID: 23117319**  
Date Received : Oct 26, 2023  
Date Reported : Nov 02, 2023  
Report Number : 2824362-1

Page 1 of 1

<b>Sample Number</b>	23117319-7						
<b>Sampled Date</b>	Oct 26, 2023 9:10 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	ใต้จุดปล่อยน้ำทิ้ง 1 km ( GPS 47P 0593840 , 1500128 )						
<b>Date Analysis Commenced</b>	Oct 27, 2023						
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	906	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	1.7	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.9	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.1	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Chawanthat Nakpanom

Remark :

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

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)



## Analysis / Test Report

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :**

**Project Name :** Mornitoring EIA

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 23124080**

Date Received : Nov 17, 2023

Date Reported : Nov 23, 2023

Report Number : 2845555-1

Page 1 of 1

<b>Sample Number</b>	23124080-6
<b>Sampled Date</b>	Nov 17, 2023 11:40 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	เหนือจุดปล่อยน้ำทิ้ง 1 km ( GPS 47P 0593772 , 1501462 )
<b>Date Analysis Commenced</b>	Nov 18, 2023
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1109	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.7	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.7	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.8	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Norrasat Komal

Remark :

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

Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :**

**Project Name :** Mornitoring EIA

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 23124080**

Date Received : Nov 17, 2023

Date Reported : Nov 23, 2023

Report Number : 2845556-1

Page 1 of 1

<b>Sample Number</b>	23124080-7					
<b>Sampled Date</b>	Nov 17, 2023 9:50 AM					
<b>Sample Description</b>	Surface Water					
<b>Location</b>	ใต้จุดปล่อยน้ำทิ้ง 1 km ( GPS 47P 0593840 , 1500128 )					
<b>Date Analysis Commenced</b>	Nov 18, 2023					
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1080	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.3	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.6	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Norrasat Komal

Remark :

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

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

**Client :** Ratchaburi Power Co., Ltd.  
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130  
**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE  
**Project Name :** Mornitoring EIA  
**Project Location :**

**TESTING**  
**No.0009**  
**Lot ID: 23120765**  
Date Received : Dec 01, 2023  
Date Reported : Dec 08, 2023  
Report Number : 2858427-1

Page 1 of 1

<b>Sample Number</b>	23120765-6						
<b>Sampled Date</b>	Dec 01, 2023 10:30 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	เหนือจุดปล่อยน้ำทิ้ง 1 km ( GPS 47P 0593772 , 1501462 )						
<b>Date Analysis Commenced</b>	Dec 02, 2023						
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	817	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.7	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.3	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.7	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Chawanthat Nakpanom

Remark :

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Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 23120765**

Date Received : Dec 01, 2023

Date Reported : Dec 08, 2023

Report Number : 2858428-1

Page 1 of 1

<b>Sample Number</b>	23120765-7						
<b>Sampled Date</b>	Dec 01, 2023 10:00 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	ใต้จุดปล่อยน้ำทิ้ง 1 km ( GPS 47P 0593840 , 1500128 )						
<b>Date Analysis Commenced</b>	Dec 02, 2023						
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	985	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	2.6	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.5	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Chawanthat Nakpanom

Remark :

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

Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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บริเวณใต้จุดปล่อยน้ำทิ้ง 100-200 เมตร  
(ขณะที่ RGCO ปล่อยน้ำ) (นอกมาตรการ EIA)

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2391191**

Date Received : Aug 15, 2023

Date Reported : Aug 22, 2023

Report Number : 2753601-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 1 of 1

<b>Sample Number</b>	2391191-3						
<b>Sampled Date</b>	Aug 15, 2023 9:25 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	น้ำใต้จุดปล่อยน้ำทั้ง 100-200 เมตร (ขณะที่ RGCO ปล่อยน้ำ) ( GPS 47P 0593533 , 1500933 )						
<b>Date Analysis Commenced</b>	Aug 16, 2023						
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	2.6	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	705	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.9	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.2	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.4	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Norrasat Komal

Remark :

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

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2379942**

Date Received : Jul 17, 2023

Date Reported : Jul 24, 2023

Report Number : 2727223-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 1 of 1

<b>Sample Number</b>	2379942-3
<b>Sampled Date</b>	Jul 17, 2023 8:50 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	น้ำใต้จุดปล่อยน้ำทั้ง 100-200 เมตร (ขณะที่ RGCO ปล่อยน้ำ) ( GPS 47P 0593533 , 1500933 )
<b>Date Analysis Commenced</b>	Jul 18, 2023
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	847	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.5	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.2	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.4	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Prapot Wannachoochai ทะเบียนเลขที่ ว-204-จ-7109

Remark :

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

Technical Management

*Siriluk P.*

Siriluk Puengpang

Section Head

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

*Kanokkorn Anek*

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 23110304**

Date Received : Sep 27, 2023

Date Reported : Oct 04, 2023

Report Number : 2797017-1

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

Page 1 of 1

<b>Sample Number</b>	23110304-3
<b>Sampled Date</b>	Sep 27, 2023 9:35 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	น้ำใต้จุดปล่อยน้ำทั้ง 100-200 เมตร (ขณะที่ RGCO ปล่อยน้ำ) ( GPS 47P 0593533 , 1500933 )
<b>Date Analysis Commenced</b>	Sep 28, 2023
<b>Condition of Sample</b>	Contained in two plastic bottles, two BOD 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	2.4	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1074	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.8	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.5	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.9	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Prapot Wannachoochai

Remark :

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

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Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE

**Project Name :** Mornitoring EIA

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 23117319**

Date Received : Oct 26, 2023

Date Reported : Nov 02, 2023

Report Number : 2824358-1

Page 1 of 1

<b>Sample Number</b>	23117319-3						
<b>Sampled Date</b>	Oct 26, 2023 9:30 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	น้ำใต้จุดปล่อยน้ำทั้ง 100-200 เมตร (ขณะที่ RGCO ปล่อยน้ำ) ( GPS 47P 0593533 , 1500933 )						
<b>Date Analysis Commenced</b>	Oct 27, 2023						
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	111	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.5	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	8.2	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.3	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Chawanthat Nakpanom

Remark :

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Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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## Analysis / Test Report

**Client :** Ratchaburi Power Co., Ltd.

245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

**P/O :**

**Project Name :** Mornitoring EIA

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 23124080**

Date Received : Nov 17, 2023

Date Reported : Nov 23, 2023

Report Number : 2845552-1

Page 1 of 1

<b>Sample Number</b>	23124080-3
<b>Sampled Date</b>	Nov 17, 2023 9:35 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	น้ำใต้จุดปล่อยน้ำทั้ง 100-200 เมตร (ขณะที่ RGCO ปล่อยน้ำ) ( GPS 47P 0593533 , 1500933 )
<b>Date Analysis Commenced</b>	Nov 18, 2023
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1099	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.0	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.6	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Norrasat Komal

Remark :

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

Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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 :** Ratchaburi Power Co., Ltd.  
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130  
**P/O :** สัญญาเลขที่ RPCL-CM2021-003/SHE  
**Project Name :** Mornitoring EIA  
**Project Location :**

**TESTING**  
**No.0009**  
**Lot ID: 23120765**  
Date Received : Dec 01, 2023  
Date Reported : Dec 08, 2023  
Report Number : 2858424-1

Page 1 of 1

<b>Sample Number</b>	23120765-3
<b>Sampled Date</b>	Dec 01, 2023 9:50 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	น้ำใต้จุดปล่อยน้ำทั้ง 100-200 เมตร (ขณะที่ RGCO ปล่อยน้ำ) ( GPS 47P 0593533 , 1500933 )
<b>Date Analysis Commenced</b>	Dec 02, 2023
<b>Condition of Sample</b>	Contained in two BOD bottles and 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	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	964	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.4	≥4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.4	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.1	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

**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 3)

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

n : Not Change from natural condition

**Sampling By :** Chawanthat Nakpanom

Remark :

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Approved by

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

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