

ภาคผนวก จ-5

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

ผลการตรวจวิเคราะห์คุณภาพน้ำผิวดินและ
นิเวศวิทยาทางน้ำ

คุณภาพน้ำผิวดินบริเวณแม่น้ำแม่กลอง
บริเวณบ้านท่าราบ (ตามมาตราการ EIA)



Analysis / Test Report

TESTING

No.0009

Lot ID: 22150074

Date Received : Jan 18, 2023

Date Reported : Jan 26, 2023

Report Number : 2553110-1

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

Sample Number	22150074-6
Sampled Date	Jan 18, 2023 12:00 PM
Sample Description	Surface Water
Location	บริเวณแม่น้ำแม่กลองบริเวณบ้านท่าราบ : กึ่งกลางลำน้ำแม่น้ำแม่กลอง (GPS 47P 0588445 , 1501255)
Date Analysis Commenced	Jan 19, 2023
Condition of Sample	Contained in two DO bottles, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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	39.2	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	<0.0005	≤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	0.09	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	Not Detected	≤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	8.39	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

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Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING

No.0009

Lot ID: 22150074

Date Received : Jan 18, 2023

Date Reported : Jan 26, 2023

Report Number : 2553110-1

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 4

Sample Number	22150074-6						
Sampled Date	Jan 18, 2023 12:00 PM						
Sample Description	Surface Water						
Location	บริเวณแม่น้ำแม่กลองบริเวณบ้านท่าราบ : กึ่งกลางลำน้ำแม่น้ำแม่กลอง (GPS 47P 0588445 , 1501255)						
Date Analysis Commenced	Jan 19, 2023						
Condition of Sample	Contained in two DO bottles, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	240.0	≤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	-	-	330.0	≤20000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
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 C	Bangkok
Chloride as Cl *	mg/L	0.06	0.2	11.9	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	298	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	5.5	≥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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Siriluk P.

Siriluk Puengpang
Supervisor



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: 22150074

Date Received : Jan 18, 2023

Date Reported : Jan 26, 2023

Report Number : 2553110-1

Page 3 of 4

Sample Number 22150074-6
Sampled Date Jan 18, 2023 12:00 PM
Sample Description Surface Water
Location บริเวณแม่น้ำแม่กลองบริเวณบ้านท่าราบ : กึ่งกลางลำน้ำแม่น้ำแม่กลอง (GPS 47P 0588445 , 1501255)
Date Analysis Commenced Jan 19, 2023
Condition of Sample Contained in two DO bottles, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Nitrate as N	mg/L	0.06	0.2	<0.2	≤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		-	-	8.0	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
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	5.1	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	-	-	28.3	n'	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Alkalinity as CaCO ₃ *	mg/L	-	1	121	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	170	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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Analysis / Test Report

TESTING

No.0009

Lot ID: 22150074

Date Received : Jan 18, 2023

Date Reported : Jan 26, 2023

Report Number : 2553110-1

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

Sample Number	22150074-6						
Sampled Date	Jan 18, 2023 12:00 PM						
Sample Description	Surface Water						
Location	บริเวณแม่น้ำแม่กลองบริเวณบ้านท่าราบ : กึ่งกลางลำน้ำแม่น้ำแม่กลอง (GPS 47P 0588445 , 1501255)						
Date Analysis Commenced	Jan 19, 2023						
Condition of Sample	Contained in two DO bottles, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Hardness as CaCO ₃ *	mg/L	-	1	133	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	177	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	<5	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	3.6	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.

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2349529

Date Received : May 16, 2023

Date Reported : May 24, 2023

Report Number : 2661637-1

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

Sample Number	2349529-6
Sampled Date	May 16, 2023 11:30 AM
Sample Description	Surface Water
Location	บริเวณแม่น้ำแม่กลองบริเวณบ้านท่าราบ : กึ่งกลางลำน้ำแม่น้ำแม่กลอง (GPS 47P 0588445 , 1501255)
Date Analysis Commenced	May 17, 2023
Condition of Sample	Contained in two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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	39.1	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	0.27	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	8.61	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

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Approved by

Suwannee Chuankeaw
Section Head



Analysis / Test Report

TESTING

No.0009

Lot ID: 2349529

Date Received : May 16, 2023

Date Reported : May 24, 2023

Report Number : 2661637-1

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 4

Sample Number	2349529-6						
Sampled Date	May 16, 2023 11:30 AM						
Sample Description	Surface Water						
Location	บริเวณแม่น้ำแม่กลองบริเวณบ้านท่าราบ : กึ่งกลางลำน้ำแม่น้ำแม่กลอง (GPS 47P 0588445 , 1501255)						
Date Analysis Commenced	May 17, 2023						
Condition of Sample	Contained in two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	1700.0	≤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	-	-	7900.0	≤20000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
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 C	Bangkok
Chloride as Cl *	mg/L	0.06	0.2	11.6	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	20	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	290	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	7.1	≥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

Suwannee Chuankeaw
Section Head



Analysis / Test Report

TESTING

No.0009

Lot ID: 2349529

Date Received : May 16, 2023

Date Reported : May 24, 2023

Report Number : 2661637-1

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 4

Sample Number	2349529-6						
Sampled Date	May 16, 2023 11:30 AM						
Sample Description	Surface Water						
Location	บริเวณแม่น้ำแม่กลองบริเวณบ้านท่าราบ : กึ่งกลางลำน้ำแม่น้ำแม่กลอง (GPS 47P 0588445 , 1501255)						
Date Analysis Commenced	May 17, 2023						
Condition of Sample	Contained in two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Nitrate as N	mg/L	0.06	0.2	<0.2	≤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		-	-	7.9	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
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	6.6	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 ₃ *	mg/L	-	1	111	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	186	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

Suwannee Chuankeaw
Section Head



Analysis / Test Report

TESTING

No.0009

Lot ID: 2349529

Date Received : May 16, 2023

Date Reported : May 24, 2023

Report Number : 2661637-1

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

Sample Number	2349529-6
Sampled Date	May 16, 2023 11:30 AM
Sample Description	Surface Water
Location	บริเวณแม่น้ำแม่กลองบริเวณบ้านท่าราบ : กึ่งกลางลำน้ำแม่น้ำแม่กลอง (GPS 47P 0588445 , 1501255)
Date Analysis Commenced	May 17, 2023
Condition of Sample	Contained in two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Hardness as CaCO ₃ *	mg/L	-	1	127	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	208	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	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	8.1	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 : 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.

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Approved by

Suwannee Chuankeaw
Section Head



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: 22150074

Date Received : Jan 18, 2023

Date Reported : Jan 26, 2023

Report Number : 2553111-1

Page 1 of 3

Sample Number	22150074-7
Sampled Date	Jan 18, 2023 8:00 AM
Sample Description	Surface Water
Location	คลองบางป่า : จุดปล่อยน้ำทิ้ง (GPS 47P 0593523 , 1501000)
Date Analysis Commenced	Jan 19, 2023
Condition of Sample	Contained in two DO bottles, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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	0.004	≤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	0.19	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	0.009	≤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

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING

No.0009

Lot ID: 22150074

Date Received : Jan 18, 2023

Date Reported : Jan 26, 2023

Report Number : 2553111-1

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 3

Sample Number	22150074-7
Sampled Date	Jan 18, 2023 8:00 AM
Sample Description	Surface Water
Location	คลองบางป่า : จุดปล่อยน้ำทิ้ง (GPS 47P 0593523 , 1501000)
Date Analysis Commenced	Jan 19, 2023
Condition of Sample	Contained in two DO bottles, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	3.6	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD *	mg/L	-	25	34	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	1190	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	5.8	≥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		-	-	7.9	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
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	-	-	27.8	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	794	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	807	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 B	Bangkok

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING

No.0009

Lot ID: 22150074

Date Received : Jan 18, 2023

Date Reported : Jan 26, 2023

Report Number : 2553111-1

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 3

Sample Number	22150074-7
Sampled Date	Jan 18, 2023 8:00 AM
Sample Description	Surface Water
Location	คลองบางป่า : จุดปล่อยน้ำทิ้ง (GPS 47P 0593523 , 1501000)
Date Analysis Commenced	Jan 19, 2023
Condition of Sample	Contained in two DO bottles, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	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	9.8	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

Siriluk P.

Siriluk Puengpang
Supervisor

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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: 22150074

Date Received : Jan 18, 2023

Date Reported : Jan 26, 2023

Report Number : 2553112-1

Page 1 of 3

Sample Number	22150074-8
Sampled Date	Jan 18, 2023 10:00 AM
Sample Description	Surface Water
Location	คลองบางป่า : เหนือจุดปล่อยน้ำทิ้ง 1 km (GPS 47P 0593772 , 1501462)
Date Analysis Commenced	Jan 19, 2023
Condition of Sample	Contained in two DO bottles, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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	0.37	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	0.02	≤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

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING

No.0009

Lot ID: 22150074

Date Received : Jan 18, 2023

Date Reported : Jan 26, 2023

Report Number : 2553112-1

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 3

Sample Number	22150074-8
Sampled Date	Jan 18, 2023 10:00 AM
Sample Description	Surface Water
Location	คลองบางป่า : เหนือจุดปล่อยน้ำทิ้ง 1 km (GPS 47P 0593772 , 1501462)
Date Analysis Commenced	Jan 19, 2023
Condition of Sample	Contained in two DO bottles, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	7.2	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	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	1117	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	6.5	≥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		-	-	8.1	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
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	-	-	28.3	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	724	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	742	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 B	Bangkok

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING

No.0009

Lot ID: 22150074

Date Received : Jan 18, 2023

Date Reported : Jan 26, 2023

Report Number : 2553112-1

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 3

Sample Number	22150074-8						
Sampled Date	Jan 18, 2023 10:00 AM						
Sample Description	Surface Water						
Location	คลองบางป่า : เหนือจุดปล่อยน้ำทิ้ง 1 km (GPS 47P 0593772 , 1501462)						
Date Analysis Commenced	Jan 19, 2023						
Condition of Sample	Contained in two DO bottles, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	17	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	16	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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Siriluk P.

Siriluk Puengpang
Supervisor

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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: 22150074

Date Received : Jan 18, 2023

Date Reported : Jan 26, 2023

Report Number : 2553113-1

Page 1 of 3

Sample Number	22150074-9
Sampled Date	Jan 18, 2023 8:30 AM
Sample Description	Surface Water
Location	คลองบางป่า : ใต้จุดปล่อยน้ำทิ้ง 1 km (GPS 47P 0593840 , 1500128)
Date Analysis Commenced	Jan 19, 2023
Condition of Sample	Contained in two DO bottles, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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	0.51	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	0.0009	≤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

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING

No.0009

Lot ID: 22150074

Date Received : Jan 18, 2023

Date Reported : Jan 26, 2023

Report Number : 2553113-1

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 3

Sample Number	22150074-9
Sampled Date	Jan 18, 2023 8:30 AM
Sample Description	Surface Water
Location	คลองบางป่า : ใต้จุดปล่อยน้ำทิ้ง 1 km (GPS 47P 0593840 , 1500128)
Date Analysis Commenced	Jan 19, 2023
Condition of Sample	Contained in two DO bottles, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	2.9	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD *	mg/L	-	25	<25	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	1069	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		-	-	7.9	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
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	-	-	28.0	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	708	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	722	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 B	Bangkok

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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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: 22150074

Date Received : Jan 18, 2023

Date Reported : Jan 26, 2023

Report Number : 2553113-1

Page 3 of 3

Sample Number	22150074-9						
Sampled Date	Jan 18, 2023 8:30 AM						
Sample Description	Surface Water						
Location	คลองบางป่า : ใต้จุดปล่อยน้ำทิ้ง 1 km (GPS 47P 0593840 , 1500128)						
Date Analysis Commenced	Jan 19, 2023						
Condition of Sample	Contained in two DO bottles, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	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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Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2349529

Date Received : May 16, 2023

Date Reported : May 24, 2023

Report Number : 2661637-1

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

Sample Number	2349529-6
Sampled Date	May 16, 2023 11:30 AM
Sample Description	Surface Water
Location	บริเวณแม่น้ำแม่กลองบริเวณบ้านท่าราบ : กึ่งกลางลำน้ำแม่น้ำแม่กลอง (GPS 47P 0588445 , 1501255)
Date Analysis Commenced	May 17, 2023
Condition of Sample	Contained in two BOD bottles, two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Hardness as CaCO ₃ *	mg/L	-	1	127	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	208	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	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	8.1	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 : Norrasat Komal

Remark :

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

Suwannee Chuankeaw
Section Head



Analysis / Test Report

TESTING

No.0009

Lot ID: 2349529

Date Received : May 16, 2023

Date Reported : May 24, 2023

Report Number : 2661638-1

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 3

Sample Number	2349529-7
Sampled Date	May 16, 2023 8:45 AM
Sample Description	Surface Water
Location	คลองบางป่า : จุดปล่อยน้ำทิ้ง (GPS 47P 0593523 , 1501000)
Date Analysis Commenced	May 17, 2023
Condition of Sample	Contained in two BOD bottles, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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	0.0006	≤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	0.42	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
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

Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2349529

Date Received : May 16, 2023

Date Reported : May 24, 2023

Report Number : 2661638-1

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 3

Sample Number	2349529-7						
Sampled Date	May 16, 2023 8:45 AM						
Sample Description	Surface Water						
Location	คลองบางป่า : จุดปล่อยน้ำทิ้ง (GPS 47P 0593523 , 1501000)						
Date Analysis Commenced	May 17, 2023						
Condition of Sample	Contained in two BOD bottles, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD *	mg/L	-	25	<25	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	506	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		-	-	7.7	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
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	-	-	31.4	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	330	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	340	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: 2349529

Date Received : May 16, 2023

Date Reported : May 24, 2023

Report Number : 2661638-1

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 3

Sample Number	2349529-7						
Sampled Date	May 16, 2023 8:45 AM						
Sample Description	Surface Water						
Location	คลองบางป่า : จุดปล่อยน้ำทิ้ง (GPS 47P 0593523 , 1501000)						
Date Analysis Commenced	May 17, 2023						
Condition of Sample	Contained in two BOD bottles, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	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	10	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 : Norrasat Komal

Remark :

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

Sawitree Noisangiam
Manager

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2349529

Date Received : May 16, 2023

Date Reported : May 24, 2023

Report Number : 2661639-1

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 3

Sample Number	2349529-8
Sampled Date	May 16, 2023 9:30 AM
Sample Description	Surface Water
Location	คลองบางป่า : เหนือจุดปล่อยน้ำทิ้ง 1 km (GPS 47P 0593772 , 1501462)
Date Analysis Commenced	May 17, 2023
Condition of Sample	Contained in two BOD bottles, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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	0.0006	≤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	0.36	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
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	Not Detected	≤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: 2349529

Date Received : May 16, 2023

Date Reported : May 24, 2023

Report Number : 2661639-1

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 3

Sample Number	2349529-8
Sampled Date	May 16, 2023 9:30 AM
Sample Description	Surface Water
Location	คลองบางป่า : เหนือจุดปล่อยน้ำทิ้ง 1 km (GPS 47P 0593772 , 1501462)
Date Analysis Commenced	May 17, 2023
Condition of Sample	Contained in two BOD bottles, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD *	mg/L	-	25	<25	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	506	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		-	-	7.7	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
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	-	-	31.5	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	302	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	314	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

TESTING

No.0009

Lot ID: 2349529

Date Received : May 16, 2023

Date Reported : May 24, 2023

Report Number : 2661639-1

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 3

Sample Number	2349529-8					
Sampled Date	May 16, 2023 9:30 AM					
Sample Description	Surface Water					
Location	คลองบางป่า : เหนือจุดปล่อยน้ำทิ้ง 1 km (GPS 47P 0593772 , 1501462)					
Date Analysis Commenced	May 17, 2023					
Condition of Sample	Contained in two BOD bottles, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)					

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	10	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	10	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 : 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.

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Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2349529

Date Received : May 16, 2023

Date Reported : May 24, 2023

Report Number : 2661640-1

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 3

Sample Number	2349529-9
Sampled Date	May 16, 2023 8:56 AM
Sample Description	Surface Water
Location	คลองบางป่า : ใต้จุดปล่อยน้ำทิ้ง 1 km (GPS 47P 0593840 , 1500128)
Date Analysis Commenced	May 17, 2023
Condition of Sample	Contained in two BOD bottles, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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	<0.0005	≤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	0.30	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	Not Detected	≤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	Not Detected	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Water Testing

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2349529

Date Received : May 16, 2023

Date Reported : May 24, 2023

Report Number : 2661640-1

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 3

Sample Number	2349529-9					
Sampled Date	May 16, 2023 8:56 AM					
Sample Description	Surface Water					
Location	คลองบางป่า : ใต้จุดปล่อยน้ำทิ้ง 1 km (GPS 47P 0593840 , 1500128)					
Date Analysis Commenced	May 17, 2023					
Condition of Sample	Contained in two BOD bottles, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)					

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	<2.0	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD *	mg/L	-	25	<25	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	513	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	3.8	≥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
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	-	-	30.4	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	326	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	332	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

TESTING

No.0009

Lot ID: 2349529

Date Received : May 16, 2023

Date Reported : May 24, 2023

Report Number : 2661640-1

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 3

Sample Number	2349529-9						
Sampled Date	May 16, 2023 8:56 AM						
Sample Description	Surface Water						
Location	คลองบางป่า : ใต้จุดปล่อยน้ำทิ้ง 1 km (GPS 47P 0593840 , 1500128)						
Date Analysis Commenced	May 17, 2023						
Condition of Sample	Contained in two BOD bottles, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	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	5.4	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 : Norrasat Komal

Remark :

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ตัวอย่างภาพแสดงการเก็บตัวอย่างน้ำผิวดิน



คลองบางป่าบริเวณเหนือจุดปล่อยน้ำทิ้ง ประมาณ 1 กิโลเมตร

ตัวอย่างภาพแสดงการเก็บตัวอย่างน้ำผิวดิน (ต่อ)



คลองบางป่าบริเวณใต้จุดปล่อยน้ำทิ้ง ประมาณ 1 กิโลเมตร

ตัวอย่างภาพแสดงการเก็บตัวอย่างน้ำผิวดิน (ต่อ)



คลองบางป่าบริเวณจุดปล่อยน้ำทิ้ง

ภาพแสดงการเก็บตัวอย่างน้ำผิวดิน (ต่อ)



บริเวณหน้าประตูระบายน้ำ

ภาพแสดงการเก็บตัวอย่างน้ำผิวดิน (ต่อ)



บริเวณหลังประตูระบายน้ำ

ภาพแสดงการเก็บตัวอย่างน้ำผิวดิน (ต่อ)

บริเวณหน้าประตูระบายน้ำ และบริเวณหลังประตูระบายน้ำ
(นอกมาตรการ EIA)



Analysis / Test Report

TESTING

No.0009

Lot ID: 22150074

Date Received : Jan 18, 2023

Date Reported : Jan 26, 2023

Report Number : 2553105-1

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

Sample Number	22150074-1						
Sampled Date	Jan 18, 2023 9:30 AM						
Sample Description	Surface Water						
Location	คลองบางป่า : หน้าประตูระบายน้ำ (GPS 47P 0593438 , 1501022)						
Date Analysis Commenced	Jan 19, 2023						
Condition of Sample	Contained in two DO 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
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	4.6	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1148	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		-	-	7.8	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	-	-	28.0	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 : Prapot Wannachoochai

Remark :

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

TESTING

No.0009

Lot ID: 22150074

Date Received : Jan 18, 2023

Date Reported : Jan 26, 2023

Report Number : 2553106-1

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

Sample Number	22150074-2
Sampled Date	Jan 18, 2023 9:35 AM
Sample Description	Surface Water
Location	คลองบางป่า : หลังประตุน้ำ (GPS 47P 0593490 , 1501002)
Date Analysis Commenced	Jan 19, 2023
Condition of Sample	Contained in two DO 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
Water Testing							
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 C	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1186	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		-	-	7.9	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	-	-	28.1	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 : Prapot Wannachoochai

Remark :

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2312416

Date Received : Feb 15, 2023

Date Reported : Feb 22, 2023

Report Number : 2575334-1

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

Sample Number	2312416-1
Sampled Date	Feb 15, 2023 9:40 AM
Sample Description	Surface Water
Location	คลองบางป่า : หน้าประตูระบายน้ำ (GPS 47P 0593438 , 1501022)
Date Analysis Commenced	Feb 16, 2023
Condition of Sample	Contained in two DO 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
Water Testing							
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 C	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	513	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		-	-	7.6	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	-	-	29.2	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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Analysis / Test Report

TESTING

No.0009

Lot ID: 2312416

Date Received : Feb 15, 2023

Date Reported : Feb 22, 2023

Report Number : 2575335-1

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

Sample Number	2312416-2
Sampled Date	Feb 15, 2023 9:45 AM
Sample Description	Surface Water
Location	คลองบางป่า : หลังประตูระบายน้ำ (GPS 47P 0593490 , 1501002)
Date Analysis Commenced	Feb 16, 2023
Condition of Sample	Contained in two DO 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
Water Testing							
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 C	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	513	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	4.0	≥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		-	-	7.7	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	-	-	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 : Norrasat Komal

Remark :

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2331613

Date Received : Mar 22, 2023

Date Reported : Mar 29, 2023

Report Number : 2599959-1

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 5

Sample Number	2331613-1
Sampled Date	Mar 22, 2023 9:20 AM
Sample Description	Surface Water
Location	คลองบางป่า : หน้าประตูระบายน้ำ (GPS 47P 0593438 , 1501022)
Date Analysis Commenced	Mar 23, 2023
Condition of Sample	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
Water Testing							
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 C	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	711	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	3.6	≥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	-	-	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 : Norrasat Komal

Remark :

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Sawitree Noisangiam
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Analysis / Test Report

TESTING

No.0009

Lot ID: 2331613

Date Received : Mar 22, 2023

Date Reported : Mar 29, 2023

Report Number : 2599959-1

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 5

Sample Number	2331613-2
Sampled Date	Mar 22, 2023 9:25 AM
Sample Description	Surface Water
Location	คลองบางป่า : หลังประตูระบายน้ำ (GPS 47P 0593490 , 1501002)
Date Analysis Commenced	Mar 23, 2023
Condition of Sample	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
Water Testing							
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 C	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	714	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		-	-	7.2	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	-	-	28.9	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 : 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

Sawitree N.

Sawitree Noisangiam
Manager

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2341133

Date Received : Apr 24, 2023

Date Reported : May 02, 2023

Report Number : 2639151-1

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

Sample Number	2341133-1						
Sampled Date	Apr 24, 2023 9:00 AM						
Sample Description	Surface Water						
Location	คลองบางป่า : หน้าประตูระบายน้ำ (GPS 47P 0593438 , 1501022)						
Date Analysis Commenced	Apr 25, 2023						
Condition of Sample	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
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	2.3	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	557	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	6.1	≥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		-	-	8.1	5.0-9.0	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 : Norrasat Komal

Remark :

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

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2341133

Date Received : Apr 24, 2023

Date Reported : May 02, 2023

Report Number : 2639152-1

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

Sample Number	2341133-2						
Sampled Date	Apr 24, 2023 9:05 AM						
Sample Description	Surface Water						
Location	คลองบางป่า : หลังประตูระบายน้ำ (GPS 47P 0593490 , 1501002)						
Date Analysis Commenced	Apr 25, 2023						
Condition of Sample	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
Water Testing							
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 C	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	573	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		-	-	8.1	5.0-9.0	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 : Norrasat Komal

Remark :

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Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2349529

Date Received : May 16, 2023

Date Reported : May 24, 2023

Report Number : 2661632-1

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

Sample Number	2349529-1
Sampled Date	May 16, 2023 9:15 AM
Sample Description	Surface Water
Location	คลองบางป่า : หน้าประตูระบายน้ำ (GPS 47P 0593438 , 1501022)
Date Analysis Commenced	May 17, 2023
Condition of Sample	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
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	2.7	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	490	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	4.0	≥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		-	-	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	-	-	31.2	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

TESTING

No.0009

Lot ID: 2349529

Date Received : May 16, 2023

Date Reported : May 24, 2023

Report Number : 2661633-1

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

Sample Number	2349529-2						
Sampled Date	May 16, 2023 9:10 AM						
Sample Description	Surface Water						
Location	คลองบางป่า : หลังประตูระบายน้ำ (GPS 47P 0593490 , 1501002)						
Date Analysis Commenced	May 17, 2023						
Condition of Sample	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
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	2.8	≤2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	486	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		-	-	7.6	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	-	-	31.2	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

TESTING

No.0009

Lot ID: 2366724

Date Received : Jun 15, 2023

Date Reported : Jun 22, 2023

Report Number : 2694504-1

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

Sample Number	2366724-1						
Sampled Date	Jun 15, 2023 8:45 AM						
Sample Description	Surface Water						
Location	คลองบางป่า : หน้าประตูระบายน้ำ (GPS 47P 0593438 , 1501022)						
Date Analysis Commenced	Jun 16, 2023						
Condition of Sample	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
Water Testing							
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	838	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	4.6	≥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		-	-	7.9	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	-	-	29.5	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 : Teerawat Puangsuk

Remark :

- LOD : Limit of Detection
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Approved by

Siriluk P.

Siriluk Puengpang
Section Head

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Analysis / Test Report

TESTING

No.0009

Lot ID: 2366724

Date Received : Jun 15, 2023

Date Reported : Jun 22, 2023

Report Number : 2694505-1

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

Sample Number	2366724-2						
Sampled Date	Jun 15, 2023 9:00 AM						
Sample Description	Surface Water						
Location	คลองบางป่า : หลังประตูระบายน้ำ (GPS 47P 0593490 , 1501002)						
Date Analysis Commenced	Jun 16, 2023						
Condition of Sample	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
Water Testing							
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	849	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	4.6	≥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		-	-	8.0	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	-	-	29.9	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 : Teerawat Puangsuk

Remark :

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Approved by

Siriluk P.

Siriluk Puengpang
Section Head

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