

ภาคผนวก จ-3

ผลการตรวจวัดระดับเสียงโดยทั่วไป



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Raj, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : #mywars@PCS-CH20321-003@EHE
Project Name : Monitoring EIA
Project Location :

Lot ID: 222323
Date Received : Feb 25, 2022
Date Reported : Mar 04, 2022
Report Number: 2252032-1

Page 1 of 1

Sample Number	222323-1		
Parameter	Noise (Leq 24 hrs.)		
Location	Shuwinthru (GPS 47P 0592807, 1502858)		
Measurement Date	Feb 22 - Feb 23, 2022		
Measurement by	Prommee Sripatnet		
Sound Level meter	Serial No. 710645		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.9	85.0	48.0
11:00 AM - 12:00 PM	59.3	78.0	49.2
12:00 PM - 01:00 PM	57.9	81.2	46.2
01:00 PM - 02:00 PM	57.4	81.6	45.2
02:00 PM - 03:00 PM	58.6	79.0	44.9
03:00 PM - 04:00 PM	58.6	82.8	45.6
04:00 PM - 05:00 PM	56.8	75.4	46.3
05:00 PM - 06:00 PM	57.5	79.7	46.3
06:00 PM - 07:00 PM	58.1	77.9	46.3
07:00 PM - 08:00 PM	57.0	80.2	43.4
08:00 PM - 09:00 PM	51.9	80.4	44.3
09:00 PM - 10:00 PM	44.9	69.3	42.7
10:00 PM - 11:00 PM	44.0	52.4	41.7
11:00 PM - 12:00 AM	52.5	80.0	42.1
12:00 AM - 01:00 AM	48.7	75.6	41.5
01:00 AM - 02:00 AM	45.2	63.3	42.7
02:00 AM - 03:00 AM	52.3	79.9	42.2
03:00 AM - 04:00 AM	54.6	80.5	41.4
04:00 AM - 05:00 AM	53.9	79.7	42.5
05:00 AM - 06:00 AM	58.8	80.4	43.2
06:00 AM - 07:00 AM	62.3	80.1	47.0
07:00 AM - 08:00 AM	59.5	82.7	48.3
08:00 AM - 09:00 AM	60.7	75.4	51.4
09:00 AM - 10:00 AM	58.6	82.8	45.6
Leq Average 24 hrs. (dB(A))	57.4		
Lmax (dB(A))		85.0	
L90 (dB(A))			44.9
Ldn (dB(A))	62.7		
Standard (dB(A))	70	115	
Reference Method : ISO1996-1 and 1996-2			
Standard : 1. ผู้ตรวจการตรวจวัดและประเมินค่าเสียง 15 (น.ม. 2540) ผู้ตรวจการตรวจวัดและประเมินค่าเสียง 2. ผู้ตรวจการตรวจวัดและประเมินค่าเสียง 15 (น.ม. 2540) ผู้ตรวจการตรวจวัดและประเมินค่าเสียง โดยกรม พ.ม. 2548			

Technical Management

Saranya Chalerthamrong

Approved by

Supot Salameh

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5-1100 Monitoring

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PHOENIX SOLUTIONS PROJECTS

5-Reports_Air Noise rpt (6.38PM)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Raj, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : #mywars@PCS-CH20321-003@EHE
Project Name : Monitoring EIA
Project Location :

Lot ID: 222323
Date Received : Feb 25, 2022
Date Reported : Mar 04, 2022
Report Number: 2252032-1

Page 1 of 1

Sample Number	222323-2		
Parameter	Noise (Leq 24 hrs.)		
Location	Shuwinthru (GPS 47P 0592807, 1502858)		
Measurement Date	Feb 23 - Feb 24, 2022		
Measurement by	Prommee Sripatnet		
Sound Level meter	Serial No. 710645		
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.8	81.8	47.2
11:00 AM - 12:00 PM	56.8	75.1	47.3
12:00 PM - 01:00 PM	57.4	78.5	45.9
01:00 PM - 02:00 PM	60.1	81.6	46.5
02:00 PM - 03:00 PM	57.5	81.0	45.9
03:00 PM - 04:00 PM	55.5	78.0	45.2
04:00 PM - 05:00 PM	58.1	79.5	46.6
05:00 PM - 06:00 PM	57.6	82.4	44.9
06:00 PM - 07:00 PM	56.8	80.3	44.7
07:00 PM - 08:00 PM	48.0	68.3	42.7
08:00 PM - 09:00 PM	49.5	79.1	44.0
09:00 PM - 10:00 PM	45.5	67.3	43.5
10:00 PM - 11:00 PM	47.0	73.7	42.3
11:00 PM - 12:00 AM	49.3	79.8	42.3
12:00 AM - 01:00 AM	48.7	76.9	42.5
01:00 AM - 02:00 AM	54.1	78.0	42.4
02:00 AM - 03:00 AM	48.7	75.6	41.5
03:00 AM - 04:00 AM	53.2	79.0	41.4
04:00 AM - 05:00 AM	52.0	76.7	44.1
05:00 AM - 06:00 AM	57.5	79.7	46.3
06:00 AM - 07:00 AM	58.1	77.9	46.3
07:00 AM - 08:00 AM	59.5	82.7	48.3
08:00 AM - 09:00 AM	56.8	75.1	47.3
09:00 AM - 10:00 AM	57.4	78.5	45.9
Leq Average 24 hrs. (dB(A))	56.1	82.7	
Lmax (dB(A))			44.9
L90 (dB(A))			
Ldn (dB(A))	60.8		
Standard (dB(A))	70	115	
Reference Method : ISO1996-1 and 1996-2			
Standard : 1. ผู้ตรวจการตรวจวัดและประเมินค่าเสียง 15 (น.ม. 2540) ผู้ตรวจการตรวจวัดและประเมินค่าเสียง 2. ผู้ตรวจการตรวจวัดและประเมินค่าเสียง 15 (น.ม. 2540) ผู้ตรวจการตรวจวัดและประเมินค่าเสียง โดยกรม พ.ม. 2548			

Technical Management

Saranya Chalerthamrong

Approved by

Supot Salameh

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PHOENIX SOLUTIONS PROJECTS

5-Reports_Air Noise rpt (6.38PM)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Raj, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : #mywast@PCS-CH2031-003@EHE
Project Name : Monitoring EIA
Project Location :

Lot ID: 222323
Date Received : Feb 25, 2022
Date Reported : Mar 04, 2022
Report Number: 2252031-1

Page 1 of 1

Sample Number 222323-5
Parameter Noise (Leq 24 hrs.)
Location ชัยพริ้ววิลล์ (GPS 47P 0597460, 1503907)
Measurement Date Feb 23 - Feb 24, 2022
Measurement by Prommee Sripatnet
Sound Level meter Serial No. 858517

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	62.9	85.3	46.1
12:00 PM - 01:00 PM	62.4	82.7	43.8
01:00 PM - 02:00 PM	63.0	84.0	42.6
02:00 PM - 03:00 PM	63.7	84.1	41.3
03:00 PM - 04:00 PM	62.0	83.8	41.6
04:00 PM - 05:00 PM	62.0	87.9	43.0
05:00 PM - 06:00 PM	62.4	83.9	44.9
06:00 PM - 07:00 PM	62.5	86.9	45.0
07:00 PM - 08:00 PM	65.5	92.0	49.5
08:00 PM - 09:00 PM	58.1	78.9	50.6
09:00 PM - 10:00 PM	58.1	81.1	42.6
10:00 PM - 11:00 PM	55.1	77.7	41.6
11:00 PM - 12:00 AM	54.4	76.6	41.1
12:00 AM - 01:00 AM	59.6	83.5	42.0
01:00 AM - 02:00 AM	57.4	81.9	41.9
02:00 AM - 03:00 AM	47.4	68.4	44.7
03:00 AM - 04:00 AM	59.0	80.7	43.6
04:00 AM - 05:00 AM	59.9	80.6	42.8
05:00 AM - 06:00 AM	64.9	86.6	41.6
06:00 AM - 07:00 AM	64.9	81.3	45.0
07:00 AM - 08:00 AM	66.2	91.5	48.2
08:00 AM - 09:00 AM	64.1	86.8	47.2
09:00 AM - 10:00 AM	66.1	93.2	45.8
10:00 AM - 11:00 AM	66.1	93.5	44.3
Leq Average 24 hrs. (dB(A))	62.7		
Lmax (dB(A))		93.5	
L90 (dB(A))			43.6
Ldn (dB(A))	67.5		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ผู้จัดทำผลการตรวจวัดข้อมูลสิ่งแวดล้อมอาจอ้างถึง 15 (พ.ม. 2540) ได้หากทำการตรวจวัดข้อมูลในสภาพที่
2. ผู้จัดทำผลการตรวจวัดข้อมูลสิ่งแวดล้อมอาจอ้างถึง 15 (พ.ม. 2540) ได้หากทำการตรวจวัดข้อมูลในสภาพที่
โดยกรม พ.ม. 2548

Technical Management

Suwanya C.
Saranya Chalermtamrong
Scientist (4)

Approved by

Supot S.
Supot Salameh
Section Head

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PHOENIX SOLIDITY/TESTS

3/ Reports_Air Noise rpt (6.38PM)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Raj, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : #mywast@PCS-CH2031-003@EHE
Project Name : Monitoring EIA
Project Location :

Lot ID: 222323
Date Received : Feb 25, 2022
Date Reported : Mar 04, 2022
Report Number: 2252034-1

Page 1 of 1

Sample Number 222323-6
Parameter Noise (Leq 24 hrs.)
Location ชัยพริ้ววิลล์ (GPS 47P 0597460, 1503907)
Measurement Date Feb 24 - Feb 25, 2022
Measurement by Prommee Sripatnet
Sound Level meter Serial No. 858517

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	62.3	86.1	44.4
12:00 PM - 01:00 PM	61.2	85.0	43.7
01:00 PM - 02:00 PM	62.9	87.1	42.7
02:00 PM - 03:00 PM	62.4	86.1	43.4
03:00 PM - 04:00 PM	62.6	87.2	44.1
04:00 PM - 05:00 PM	64.2	90.6	45.4
05:00 PM - 06:00 PM	64.8	89.8	46.5
06:00 PM - 07:00 PM	65.7	85.4	49.2
07:00 PM - 08:00 PM	59.3	83.3	42.3
08:00 PM - 09:00 PM	58.4	82.8	42.0
09:00 PM - 10:00 PM	59.8	81.4	40.4
10:00 PM - 11:00 PM	53.8	77.7	40.5
11:00 PM - 12:00 AM	61.5	96.8	42.7
12:00 AM - 01:00 AM	58.9	80.5	43.7
01:00 AM - 02:00 AM	52.9	79.2	42.8
02:00 AM - 03:00 AM	58.2	80.7	42.3
03:00 AM - 04:00 AM	61.2	80.6	43.5
04:00 AM - 05:00 AM	61.7	80.9	43.8
05:00 AM - 06:00 AM	66.6	82.8	45.7
06:00 AM - 07:00 AM	66.0	85.0	47.8
07:00 AM - 08:00 AM	65.7	85.2	49.4
08:00 AM - 09:00 AM	64.9	87.4	46.1
09:00 AM - 10:00 AM	63.6	86.9	44.5
10:00 AM - 11:00 AM	61.1	88.7	45.6
Leq Average 24 hrs. (dB(A))	62.8		
Lmax (dB(A))		96.8	
L90 (dB(A))			43.7
Ldn (dB(A))	68.7		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ผู้จัดทำผลการตรวจวัดข้อมูลสิ่งแวดล้อมอาจอ้างถึง 15 (พ.ม. 2540) ได้หากทำการตรวจวัดข้อมูลในสภาพที่
2. ผู้จัดทำผลการตรวจวัดข้อมูลสิ่งแวดล้อมอาจอ้างถึง 15 (พ.ม. 2540) ได้หากทำการตรวจวัดข้อมูลในสภาพที่
โดยกรม พ.ม. 2548

Technical Management

Suwanya C.
Saranya Chalermtamrong
Scientist (4)

Approved by

Supot S.
Supot Salameh
Section Head

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PHOENIX SOLIDITY/TESTS

3/ Reports_Air Noise rpt (6.38PM)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Raj, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : #myglobalsPC-CH0201-0019HE
Project Name : Monitoring EIA
Project Location :

Lot ID: 222323
Date Received : Feb 25, 2022
Date Reported : May 04, 2022
Report Number: 2252027-1

Page 1 of 1

Sample Number : 222323-9
Parameter : Noise (Leq 24 hrs.)
Location : ชุมชนวัดใหญ่ (GPS 479 0596319, 1504677)
Measurement Date : Feb 24 - Feb 25, 2022
Measurement by : Prommee Sripathet
Sound Level meter : Serial No. 610207

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	52.5	70.8	51.3
12:00 PM - 01:00 PM	53.0	66.5	52.0
01:00 PM - 02:00 PM	64.3	85.4	52.3
02:00 PM - 03:00 PM	54.8	72.4	52.2
03:00 PM - 04:00 PM	55.2	80.8	52.1
04:00 PM - 05:00 PM	53.8	74.0	52.3
05:00 PM - 06:00 PM	56.0	80.3	53.0
06:00 PM - 07:00 PM	54.7	66.6	53.7
07:00 PM - 08:00 PM	54.3	65.8	53.6
08:00 PM - 09:00 PM	54.1	63.5	53.6
09:00 PM - 10:00 PM	54.4	60.3	53.8
10:00 PM - 11:00 PM	54.6	60.5	54.0
11:00 PM - 12:00 AM	54.4	77.7	53.7
12:00 AM - 01:00 AM	53.8	57.0	53.2
01:00 AM - 02:00 AM	54.2	61.8	53.6
02:00 AM - 03:00 AM	54.5	61.4	53.8
03:00 AM - 04:00 AM	54.4	65.9	53.4
04:00 AM - 05:00 AM	54.9	78.8	53.5
05:00 AM - 06:00 AM	55.8	73.4	54.3
06:00 AM - 07:00 AM	54.8	71.7	53.7
07:00 AM - 08:00 AM	56.2	75.3	53.6
08:00 AM - 09:00 AM	54.8	74.0	52.9
09:00 AM - 10:00 AM	54.1	79.3	52.7
10:00 AM - 11:00 AM	54.3	82.6	52.3
Leq Average 24 hrs. (dB(A))	55.9		
Lmax (dB(A))		85.4	
L90 (dB(A))			53.4
Ldn (dB(A))	61.4		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. มาตรการควบคุมการก่อกวนของชุมชนโดยรอบ 15 (พ.ร. 2540) มาตรการควบคุมการก่อกวนของชุมชนโดยรอบ
2. มาตรการบรรเทาผลกระทบ มาตรการลดการก่อกวนของชุมชนและผลกระทบต่อสุขภาพจากโครงการ
โรงงาน พ.ร. 2548

Technical Management

Saranya Chaleramhong
Scientist (4)

Approved by

Supot Salameh
Section Head

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5-Reports_Air Noise.rpt (8.39PM)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Raj, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : #myglobalsPC-CH0201-0019HE
Project Name : Monitoring EIA
Project Location :

Lot ID: 2249165
Date Received : May 13, 2022
Date Reported : May 23, 2022
Report Number: 2321370-1

Page 1 of 1

Sample Number : 2249165-1
Parameter : Noise (Leq 24 hrs.)
Location : ชุมชนวัดใหญ่ (GPS 479 0592807, 1502858)
Measurement Date : May 10 - May 11, 2022
Measurement by : Prommee Sripathet
Sound Level meter : Serial No. 572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	59.5	80.6	43.9
12:00 PM - 01:00 PM	61.4	83.6	43.8
01:00 PM - 02:00 PM	58.1	84.7	43.0
02:00 PM - 03:00 PM	56.2	82.7	42.8
03:00 PM - 04:00 PM	52.2	76.8	43.2
04:00 PM - 05:00 PM	67.1	102.3	43.5
05:00 PM - 06:00 PM	57.8	88.3	43.8
06:00 PM - 07:00 PM	55.7	81.9	42.9
07:00 PM - 08:00 PM	54.9	82.4	44.6
08:00 PM - 09:00 PM	53.1	75.4	44.2
09:00 PM - 10:00 PM	58.0	83.8	44.9
10:00 PM - 11:00 PM	52.1	79.0	44.5
11:00 PM - 12:00 AM	51.4	81.7	45.8
12:00 AM - 01:00 AM	49.8	72.7	44.5
01:00 AM - 02:00 AM	49.5	75.7	44.1
02:00 AM - 03:00 AM	49.7	75.6	42.6
03:00 AM - 04:00 AM	57.5	87.1	42.7
04:00 AM - 05:00 AM	64.0	88.7	43.5
05:00 AM - 06:00 AM	60.2	79.3	47.4
06:00 AM - 07:00 AM	56.4	79.1	46.9
07:00 AM - 08:00 AM	65.2	94.2	46.4
08:00 AM - 09:00 AM	61.5	77.3	50.7
09:00 AM - 10:00 AM	56.7	84.4	45.1
10:00 AM - 11:00 AM	61.4	77.9	47.6
Leq Average 24 hrs. (dB(A))	59.7		
Lmax (dB(A))		102.3	
L90 (dB(A))			44.1
Ldn (dB(A))	64.6		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. มาตรการควบคุมการก่อกวนของชุมชนโดยรอบ 15 (พ.ร. 2540) มาตรการควบคุมการก่อกวนของชุมชนโดยรอบ
2. มาตรการบรรเทาผลกระทบ มาตรการลดการก่อกวนของชุมชนและผลกระทบต่อสุขภาพจากโครงการ
โรงงาน พ.ร. 2548

Technical Management

Sararat Mongkijirawat
Supervisor

Approved by

Supot Salameh
Section Head

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5-Reports_Air Noise.rpt (8.30PM)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Raj, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : #myglobalsPC-CH0201-0019HE
Project Name : Monitoring EIA
Project Location :

Lot ID: 2249165
Date Received : May 13, 2022
Date Reported : May 23, 2022
Report Number: 2321371-1

Page 1 of 1

Sample Number : 2249165-2
Parameter : Noise (Leq 24 hrs.)
Location : ชุมชนวัดใหญ่ (GPS 479 0592807, 1502858)
Measurement Date : May 11 - May 12, 2022
Measurement by : Prommee Sripathet
Sound Level meter : Serial No. 572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	57.1	76.3	43.8
12:00 PM - 01:00 PM	58.2	77.0	45.4
01:00 PM - 02:00 PM	55.9	75.7	44.3
02:00 PM - 03:00 PM	66.0	79.7	45.9
03:00 PM - 04:00 PM	65.6	87.7	48.6
04:00 PM - 05:00 PM	58.3	88.6	44.7
05:00 PM - 06:00 PM	55.6	86.9	44.0
06:00 PM - 07:00 PM	55.1	80.0	43.2
07:00 PM - 08:00 PM	49.3	71.4	45.0
08:00 PM - 09:00 PM	50.7	76.7	46.5
09:00 PM - 10:00 PM	53.3	79.7	46.1
10:00 PM - 11:00 PM	49.2	59.9	45.3
11:00 PM - 12:00 AM	46.9	61.6	43.5
12:00 AM - 01:00 AM	46.3	64.5	43.8
01:00 AM - 02:00 AM	53.0	75.6	44.9
02:00 AM - 03:00 AM	51.7	72.2	43.7
03:00 AM - 04:00 AM	53.3	75.3	43.6
04:00 AM - 05:00 AM	58.7	77.6	44.9
05:00 AM - 06:00 AM	61.7	82.9	48.8
06:00 AM - 07:00 AM	59.5	84.1	49.2
07:00 AM - 08:00 AM	63.5	97.8	48.5
08:00 AM - 09:00 AM	60.5	80.0	49.8
09:00 AM - 10:00 AM	59.4	78.6	48.2
10:00 AM - 11:00 AM	55.2	76.0	46.9
Leq Average 24 hrs. (dB(A))	59.1		
Lmax (dB(A))		97.8	
L90 (dB(A))			45.0
Ldn (dB(A))	63.5		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. มาตรการควบคุมการก่อกวนของชุมชนโดยรอบ 15 (พ.ร. 2540) มาตรการควบคุมการก่อกวนของชุมชนโดยรอบ
2. มาตรการบรรเทาผลกระทบ มาตรการลดการก่อกวนของชุมชนและผลกระทบต่อสุขภาพจากโครงการ
โรงงาน พ.ร. 2548

Technical Management

Sararat Mongkijirawat
Supervisor

Approved by

Supot Salameh
Section Head

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5-Reports_Air Noise.rpt (8.19PM)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Raj, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : #myglobalsPC-CH0201-0019HE
Project Name : Monitoring EIA
Project Location :

Lot ID: 2249165
Date Received : May 13, 2022
Date Reported : May 23, 2022
Report Number: 2321372-1

Page 1 of 1

Sample Number : 2249165-3
Parameter : Noise (Leq 24 hrs.)
Location : ชุมชนวัดใหญ่ (GPS 479 0592807, 1502858)
Measurement Date : May 12 - May 13, 2022
Measurement by : Prommee Sripathet
Sound Level meter : Serial No. 572564

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	58.4	76.6	46.8
12:00 PM - 01:00 PM	59.9	82.9	44.0
01:00 PM - 02:00 PM	67.6	79.2	46.5
02:00 PM - 03:00 PM	57.9	80.6	47.4
03:00 PM - 04:00 PM	56.5	80.7	47.8
04:00 PM - 05:00 PM	63.5	92.8	46.9
05:00 PM - 06:00 PM	55.4	77.9	45.8
06:00 PM - 07:00 PM	53.5	81.6	44.8
07:00 PM - 08:00 PM	51.5	72.5	48.3
08:00 PM - 09:00 PM	51.9	65.0	49.0
09:00 PM - 10:00 PM	51.0	73.0	47.7
10:00 PM - 11:00 PM	49.6	60.6	46.8
11:00 PM - 12:00 AM	50.0	59.9	47.5
12:00 AM - 01:00 AM	51.7	61.0	46.6
01:00 AM - 02:00 AM	51.7	75.8	44.2
02:00 AM - 03:00 AM	52.5	75.4	43.4
03:00 AM - 04:00 AM	53.6	77.7	43.4
04:00 AM - 05:00 AM	58.8	76.5	44.7
05:00 AM - 06:00 AM	62.7	80.4	48.4
06:00 AM - 07:00 AM	58.6	79.9	48.9
07:00 AM - 08:00 AM	65.1	100.5	47.9
08:00 AM - 09:00 AM	60.3	87.9	50.0
09:00 AM - 10:00 AM	56.3	76.7	46.4
10:00 AM - 11:00 AM	59.2	78.4	47.5
Leq Average 24 hrs. (dB(A))	59.4		
Lmax (dB(A))		100.5	
L90 (dB(A))			46.8
Ldn (dB(A))	63.9		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. มาตรการควบคุมการก่อกวนของชุมชนโดยรอบ 15 (พ.ร. 2540) มาตรการควบคุมการก่อกวนของชุมชนโดยรอบ
2. มาตรการบรรเทาผลกระทบ มาตรการลดการก่อกวนของชุมชนและผลกระทบต่อสุขภาพจากโครงการ
โรงงาน พ.ร. 2548

Technical Management

Sararat Mongkijirawat
Supervisor

Approved by

Supot Salameh
Section Head

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5-Reports_Air Noise.rpt (8.18PM)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Raj, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : #myruss@RCP-CH0201-003/EHE
Project Name : Monitoring EIA
Project Location :

Lot ID: 2249165
Date Received : May 13, 2022
Date Reported : May 23, 2022
Report Number: 2321373-1

Page 1 of 1

Sample Number	2249165-4		
Parameter	Noise (Leq 24 hrs.)		
Location	Phraetwila (GPS 47P 0597460, 1503907)		
Measurement Date	May 10 - May 11, 2022		
Measurement by	Prommee Sripatnet		
Sound Level meter	Serial No. 572552		
	Time	Leq (dB(A))	Lmax (dB(A))
	10:00 AM - 11:00 AM	61.5	85.8
	11:00 AM - 12:00 PM	59.7	75.8
	12:00 PM - 01:00 PM	60.2	81.2
	01:00 PM - 02:00 PM	59.6	88.4
	02:00 PM - 03:00 PM	61.7	87.7
	03:00 PM - 04:00 PM	60.0	83.3
	04:00 PM - 05:00 PM	60.0	78.3
	05:00 PM - 06:00 PM	60.0	84.4
	06:00 PM - 07:00 PM	62.3	81.7
	07:00 PM - 08:00 PM	59.4	81.9
	08:00 PM - 09:00 PM	57.6	74.3
	09:00 PM - 10:00 PM	58.8	81.6
	10:00 PM - 11:00 PM	57.1	79.9
	11:00 PM - 12:00 AM	57.8	77.0
	12:00 AM - 01:00 AM	51.9	71.9
	01:00 AM - 02:00 AM	48.4	66.5
	02:00 AM - 03:00 AM	51.7	75.2
	03:00 AM - 04:00 AM	49.3	73.3
	04:00 AM - 05:00 AM	47.4	67.9
	05:00 AM - 06:00 AM	59.6	87.3
	06:00 AM - 07:00 AM	59.0	79.3
	07:00 AM - 08:00 AM	57.8	75.6
	08:00 AM - 09:00 AM	62.3	79.3
	09:00 AM - 10:00 AM	60.9	82.1
	Leq Average 24 hrs. (dB(A))	59.1	
	Lmax (dB(A))		88.4
	L90 (dB(A))		43.1
	Ldn (dB(A))	63.1	
	Standard (dB(A))	70	115
Reference Method : ISO1996-1 and 1996-2			
Standard : 1. ผู้ตรวจการฯ ขอรับรองผลการตรวจวัดตามข้อกำหนด 15 (พ.ร. 2540) สำหรับการตรวจการประเมินผลกระทบสิ่งแวดล้อม 2. ผู้ตรวจการฯ ขอรับรองผลการตรวจวัดตามข้อกำหนด 15 (พ.ร. 2540) สำหรับการตรวจการประเมินผลกระทบสิ่งแวดล้อม โดยกรม พ.ร. 2548			

Technical Management

Saratat Mongkijravit
Supervisor

Approved by

Supot Salameh
Section Head

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Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Raj, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : #myruss@RCP-CH0201-003/EHE
Project Name : Monitoring EIA
Project Location :

Lot ID: 2249165
Date Received : May 13, 2022
Date Reported : May 23, 2022
Report Number: 2321374-1

Page 1 of 1

Sample Number	2249165-5		
Parameter	Noise (Leq 24 hrs.)		
Location	Phraetwila (GPS 47P 0597460, 1503907)		
Measurement Date	May 11 - May 12, 2022		
Measurement by	Prommee Sripatnet		
Sound Level meter	Serial No. 572552		
	Time	Leq (dB(A))	Lmax (dB(A))
	10:00 AM - 11:00 AM	59.8	76.0
	11:00 AM - 12:00 PM	61.3	84.1
	12:00 PM - 01:00 PM	60.5	76.3
	01:00 PM - 02:00 PM	60.4	79.7
	02:00 PM - 03:00 PM	64.4	88.5
	03:00 PM - 04:00 PM	65.6	96.4
	04:00 PM - 05:00 PM	62.2	88.0
	05:00 PM - 06:00 PM	60.6	87.9
	06:00 PM - 07:00 PM	62.8	81.5
	07:00 PM - 08:00 PM	60.5	80.7
	08:00 PM - 09:00 PM	57.7	77.7
	09:00 PM - 10:00 PM	57.6	74.2
	10:00 PM - 11:00 PM	57.8	82.3
	11:00 PM - 12:00 AM	59.8	78.3
	12:00 AM - 01:00 AM	50.2	78.6
	01:00 AM - 02:00 AM	51.0	76.0
	02:00 AM - 03:00 AM	51.2	77.2
	03:00 AM - 04:00 AM	53.8	72.7
	04:00 AM - 05:00 AM	52.5	73.1
	05:00 AM - 06:00 AM	59.8	79.0
	06:00 AM - 07:00 AM	59.0	76.7
	07:00 AM - 08:00 AM	58.4	78.3
	08:00 AM - 09:00 AM	60.5	84.5
	09:00 AM - 10:00 AM	62.3	79.3
	Leq Average 24 hrs. (dB(A))	60.3	
	Lmax (dB(A))		96.4
	L90 (dB(A))		44.0
	Ldn (dB(A))	64.1	
	Standard (dB(A))	70	115
Reference Method : ISO1996-1 and 1996-2			
Standard : 1. ผู้ตรวจการฯ ขอรับรองผลการตรวจวัดตามข้อกำหนด 15 (พ.ร. 2540) สำหรับการตรวจการประเมินผลกระทบสิ่งแวดล้อม 2. ผู้ตรวจการฯ ขอรับรองผลการตรวจวัดตามข้อกำหนด 15 (พ.ร. 2540) สำหรับการตรวจการประเมินผลกระทบสิ่งแวดล้อม โดยกรม พ.ร. 2548			

Technical Management

Saratat Mongkijravit
Supervisor

Approved by

Supot Salameh
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Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Raj, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : Rujyavan/POC-CH0221-003/9HE
Project Name : Monitoring EIA
Project Location :

Lot ID: 2249165
Date Received : May 13, 2022
Date Reported : May 23, 2022
Report Number: 2321377-1

Page 1 of 1

Sample Number 2249165-8
Parameter Noise (Leq 24 hrs.)
Location #Rujyavan/POC-CH0221-003/9HE
Measurement Date May 11 - May 12, 2022
Measurement by Prommee Sripathet
Sound Level meter Serial No. 572563

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	52.6	67.8	50.4
02:00 PM - 03:00 PM	51.8	71.8	49.7
03:00 PM - 04:00 PM	56.3	80.3	50.9
04:00 PM - 05:00 PM	56.1	72.7	49.6
05:00 PM - 06:00 PM	52.4	75.2	49.3
06:00 PM - 07:00 PM	54.8	80.5	49.7
07:00 PM - 08:00 PM	56.2	79.1	50.1
08:00 PM - 09:00 PM	53.4	78.7	49.5
09:00 PM - 10:00 PM	51.9	69.1	50.3
10:00 PM - 11:00 PM	53.8	73.4	52.3
11:00 PM - 12:00 AM	52.7	70.6	51.7
12:00 AM - 01:00 AM	51.5	69.5	50.1
01:00 AM - 02:00 AM	50.7	69.3	48.7
02:00 AM - 03:00 AM	56.5	67.8	49.0
03:00 AM - 04:00 AM	59.0	67.2	57.6
04:00 AM - 05:00 AM	56.7	68.4	53.6
05:00 AM - 06:00 AM	57.2	82.5	52.6
06:00 AM - 07:00 AM	55.4	76.6	49.7
07:00 AM - 08:00 AM	52.7	75.3	48.5
08:00 AM - 09:00 AM	54.7	82.2	50.3
09:00 AM - 10:00 AM	56.3	78.4	51.6
10:00 AM - 11:00 AM	56.1	81.1	50.9
11:00 AM - 12:00 PM	56.0	72.4	51.2
12:00 PM - 01:00 PM	52.6	74.2	47.4

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศกระทรวงมหาดไทยว่าด้วยการขออนุญาตดำเนินการก่อสร้างอาคารสูงเกิน 15 (พ.ศ. 2540) ซึ่งกำหนดมาตรฐานการควบคุมเสียงรบกวน
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงจากยานพาหนะ และวิธีวัดระดับเสียงจากยานพาหนะ
โดยกรม พ.ศ. 2548

Technical Management

Sararat Mongkonjirawut
Supervisor

Approved by

Supot Salameh
Section Head

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



5031-3U EMAIL

5 Reports_Air Noise rpt (8 15PM)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Raj, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : Rujyavan/POC-CH0221-003/9HE
Project Name : Monitoring EIA
Project Location :

Lot ID: 2249165
Date Received : May 13, 2022
Date Reported : May 23, 2022
Report Number: 2321378-1

Page 1 of 1

Sample Number 2249165-9
Parameter Noise (Leq 24 hrs.)
Location #Rujyavan/POC-CH0221-003/9HE
Measurement Date May 12 - May 13, 2022
Measurement by Prommee Sripathet
Sound Level meter Serial No. 572563

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	50.9	73.2	47.6
02:00 PM - 03:00 PM	50.5	74.6	51.2
03:00 PM - 04:00 PM	61.4	78.2	50.4
04:00 PM - 05:00 PM	58.1	78.7	50.9
05:00 PM - 06:00 PM	54.1	75.9	50.0
06:00 PM - 07:00 PM	53.6	77.4	49.8
07:00 PM - 08:00 PM	60.6	89.0	58.7
08:00 PM - 09:00 PM	57.5	87.1	49.9
09:00 PM - 10:00 PM	52.2	69.5	50.3
10:00 PM - 11:00 PM	54.2	72.0	53.2
11:00 PM - 12:00 AM	54.4	69.7	52.9
12:00 AM - 01:00 AM	53.9	73.2	52.1
01:00 AM - 02:00 AM	54.6	65.7	52.8
02:00 AM - 03:00 AM	57.0	69.9	54.7
03:00 AM - 04:00 AM	59.9	70.2	58.5
04:00 AM - 05:00 AM	58.0	69.7	56.0
05:00 AM - 06:00 AM	56.9	78.1	54.4
06:00 AM - 07:00 AM	56.6	74.7	50.2
07:00 AM - 08:00 AM	53.6	77.9	48.4
08:00 AM - 09:00 AM	52.2	72.2	47.9
09:00 AM - 10:00 AM	60.8	89.0	50.7
10:00 AM - 11:00 AM	74.9	90.5	50.6
11:00 AM - 12:00 PM	72.9	94.0	50.4
12:00 PM - 01:00 PM	66.8	78.6	50.4

Leq Average 24 hrs. (dB(A))

Lmax (dB(A))

L90 (dB(A))

Ldn (dB(A))

Standard (dB(A))

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศกระทรวงมหาดไทยว่าด้วยการขออนุญาตดำเนินการก่อสร้างอาคารสูงเกิน 15 (พ.ศ. 2540) ซึ่งกำหนดมาตรฐานการควบคุมเสียงรบกวน
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงจากยานพาหนะ และวิธีวัดระดับเสียงจากยานพาหนะ
โดยกรม พ.ศ. 2548

Technical Management

Sararat Mongkonjirawut
Supervisor

Approved by

Supot Salameh
Section Head

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5031-3U EMAIL

5 Reports_Air Noise rpt (8 15PM)

ภาคผนวก จ-4

ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้ง



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

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

P/O :

Project Name : Monitoring EIA

Project Location :

TESTING

No.0009

Lot ID: 21152957

Date Received : Jan 18, 2022

Date Reported : Jan 24, 2022

Report Number : 2213975-1

Page 1 of 2

Sample Number	21152957-1						
Sampled Date	Jan 18, 2022 12:00 PM						
Sample Description	Wastewater						
Location	ถังกักเก็บน้ำเสีย waste water holding basin2 (GPS 47P 0596380 , 1504482)						
Date Analysis Commenced	Jan 19, 2022						
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	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.004	≤0.25	Based on APHA (2017), 3125	Bangkok
Barium	mg/L	0.0003	0.0005	0.07	≤1.0	Based on APHA (2017), 3125	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	0.02	≤2.0	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Based on APHA (2017), 3500-Cr (B)	Bangkok
Lead	mg/L	0.0003	0.0005	<0.0005	≤0.20	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.0003	0.0005	0.04	≤5.0	Based on APHA (2017), 3125	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Based on APHA (2017), 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.001	≤1.0	Based on APHA (2017), 3125	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	0.03	≤5.0	Based on APHA (2017), 3125	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	79	≤120	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C	-	-	-	8.1	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	31.6	≤40	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	384	≤3000	Based on APHA (2017), 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	1.3	≤100	Based on APHA (2017), 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Based on APHA (2017), 2540 D	Bangkok

Technical Management

Siriluk P.

Siriluk Puengpiang
Supervisor

โทรศัพท์ 0-204-4-4720

Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager

โทรศัพท์ 0-204-4-6111

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5031-31/ BMAL

S:\Report\AL_2024.rpt (5:43PM)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

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

P/O :

Project Name : Monitoring EIA

Project Location :

Lot ID: 21152957

Date Received : Jan 18, 2022

Date Reported : Jan 24, 2022

Report Number : 2213975-2

Page 1 of 1

Sample Number	21152957-1							
Sampled Date	Jan 18, 2022 12:00 PM							
Sample Description	Wastewater							
Location	ถังกักเก็บน้ำเสีย waste water holding basin2 (GPS 47P 0596380 , 1504482)							
Date Analysis Commenced	Jan 19, 2022							
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 (1)	Guideline (2)	Method	Testing Location

Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Underserved Discharged water into Irrigation system.

Sampled by : Norrasat Komal

Remark :

- LOD : Limit of Detection

- "%_{sp}" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Approved by

Siriluk P.

Siriluk Puengpiang
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 : 80999999PCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :

TESTING

No.0009

Lot ID: 2210290

Date Received : Feb 23, 2022

Date Reported : Mar 02, 2022

Report Number : 2248988-1

Page 1 of 2

Sample Number	2210290-1	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Sampled Date	Feb 23, 2022 11:45 AM	Wastewater							
Sample Description	น้ำทิ้งจากบ่อกักเก็บน้ำเสีย								
Location	น้ำทิ้งจากบ่อกักเก็บน้ำเสีย waste water holding basin2 (GPS 47P 0596380 , 1504482)								
Date Analysis Commenced	Feb 24, 2022								
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 (1)	Guideline (2)	Method	Testing Location	
Metals Testing									
Arsenic	mg/L	0.0003	0.0005	0.01	≤0.25	≤0.25	Based on APHA (2017), 3125	Bangkok	
Barium	mg/L	0.0003	0.0005	0.15	≤1.0	≤1.0	Based on APHA (2017), 3125	Bangkok	
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	≤0.01	Based on APHA (2017), 3125	Bangkok	
Copper	mg/L	0.0003	0.0005	0.27	≤2.0	≤1	Based on APHA (2017), 3125	Bangkok	
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	≤0.25	Based on APHA (2017), 3500-Cr (B)	Bangkok	
Lead	mg/L	0.0003	0.0005	0.001	≤0.20	≤0.10	Based on APHA (2017), 3125	Bangkok	
Manganese	mg/L	0.0003	0.0005	0.08	≤5.0	≤5.0	Based on APHA (2017), 3125	Bangkok	
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3112	Bangkok	
Nickel	mg/L	0.0003	0.0005	0.001	≤1.0	≤0.2	Based on APHA (2017), 3125	Bangkok	
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	≤0.02	Based on APHA (2017), 3125	Bangkok	
Zinc	mg/L	0.003	0.005	0.11	≤5.0	≤5.0	Based on APHA (2017), 3125	Bangkok	
Water Testing									
BOD (5 days at 20 degree C)	mg/L	-	2	3	≤20	≤20	Based on APHA (2017), 5210 B	Bangkok	
COD	mg/L	1.5	5	26	≤120	≤100	Based on APHA (2017), 5220 D	Bangkok	
Oil & Grease	mg/L	-	3	<3	≤5	≤5	Based on APHA (2017), 5520 B	Bangkok	
pH at 25 degree C		-	-	7.3	5.5-9.0	6.5-8.5	Based on APHA (2017), 4500-H (B)	Bangkok	
Temperature *	Degree C	-	-	30.2	≤40	≤40	Based on APHA (2017), 2550 B	Bangkok	
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	656	≤3000	≤1300	Based on APHA (2017), 2540 C	Bangkok	
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	3.3	≤100	≤35	Based on APHA (2017), 4500-Norg (C)	Bangkok	
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	11	≤50	≤30	Based on APHA (2017), 2540 D	Bangkok	

Technical Management

Sawitree N.

Sawitree Naisanglam
Assistant Manager

โทรศัพท์ : 204-4709

Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager

โทรศัพท์ : 204-6-6111

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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 : 80999999PCL-CM2021-003/SHE

Project Name : Monitoring EIA

Project Location :

Lot ID: 2210290

Date Received : Feb 23, 2022

Date Reported : Mar 02, 2022

Report Number : 2248988-2

Page 1 of 1

Sample Number	2210290-1	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Sampled Date	Feb 23, 2022 11:45 AM	Wastewater							
Sample Description	น้ำทิ้งจากบ่อกักเก็บน้ำเสีย								
Location	น้ำทิ้งจากบ่อกักเก็บน้ำเสีย waste water holding basin2 (GPS 47P 0596380 , 1504482)								
Date Analysis Commenced	Feb 25, 2022								
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 (1)	Guideline (2)	Method	Testing Location
Water Testing								
Conductivity at 25 degree C	micromhos/cm	-	0.5	1132	No Standard	No Standard	Based on APHA (2017), 2510 B	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017). Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampled By : Norrasat Komal

Remark :

- LOD : Limit of Detection

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

Approved by

Siriluk P.

Siriluk Puengiang
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 : กรุงเทพมหานคร-PM2021-003/SHE
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 2213019

Date Received : Mar 15, 2022
Date Reported : Mar 22, 2022
Report Number : 2267826-1

Page 1 of 2

Sample Number	2213019-1							
Sampled Date	Mar 15, 2022 10:55 AM							
Sample Description	Wastewater							
Location	ถังกักเก็บน้ำเสีย waste water holding basin2 (GPS 47P 0596380 , 1504482)							
Date Analysis Commenced	Mar 16, 2022							
Condition of Sample	Contained in two glass vials, five plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.008	≤0.25	≤0.25	Based on APHA (2017), 3125	Bangkok
Barium	mg/L	0.0003	0.0005	0.10	≤1.0	≤1.0	Based on APHA (2017), 3125	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	≤0.01	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	0.09	≤2.0	≤1	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	≤0.25	Based on APHA (2017), 3500-Cr (B)	Bangkok
Lead	mg/L	0.0003	0.0005	0.0007	≤0.20	≤0.10	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.0003	0.0005	0.06	≤5.0	≤5.0	Based on APHA (2017), 3125	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.001	≤1.0	≤0.2	Based on APHA (2017), 3125	Bangkok
Selenium	mg/L	0.0003	0.0005	<0.0005	≤0.02	≤0.02	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	0.06	≤5.0	≤5.0	Based on APHA (2017), 3125	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2	3	≤20	≤20	Based on APHA (2017), 5210 B	Bangkok
COD	mg/L	1.5	5	29	≤120	≤100	Based on APHA (2017), 5220 D	Bangkok
Oil & Grease	mg/L	-	3	4	≤5	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C	-	-	-	7.5	5.5-9.0	6.5-8.5	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	31.3	≤40	≤40	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	584	≤3000	≤1300	Based on APHA (2017), 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	3.7	≤100	≤35	Based on APHA (2017), 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	14	≤50	≤30	Based on APHA (2017), 2540 D	Bangkok

Technical Management

Sawitree N.
Sawitree Naisanglam
Assistant Manager
โทรศัพท์ ๐๒-๒๐๔-๔-๔๗๐๙

Approved by

Kanokorn Anek
Senior Manager
โทรศัพท์ ๐๒-๒๐๔-๔-๖๑๑๑

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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 : กรุงเทพมหานคร-PM2021-003/SHE
Project Name : Monitoring EIA
Project Location :

Lot ID: 2213019

Date Received : Mar 15, 2022
Date Reported : Mar 22, 2022
Report Number : 2267826-2

Page 1 of 1

Sample Number	2213019-1
Sampled Date	Mar 15, 2022 10:55 AM
Sample Description	Wastewater
Location	ถังกักเก็บน้ำเสีย waste water holding basin2 (GPS 47P 0596380 , 1504482)
Date Analysis Commenced	Mar 17, 2022
Condition of Sample	Contained in two glass vials, five plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Conductivity at 25 degree C	micromhos/cm	-	0.5	1030	No Standard	No Standard	Based on APHA (2017), 2510 B	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Underserved Discharged water into Irrigation system.

Sampled by : Norrasat Komal

Remark :

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

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 Puengiang
Supervisor

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Analysis / Test Report

Client: 2 Rat: banNt hoP er woS. teC
MIL v oo 15TNU mol 4ann 7Rai5Au poNv Oau noen BacNaSSRat: banNt Tbllanc
k.86,
P/O : 40guguanPRL-CM2021-003/SHE
Project Name : 2v omittorine tga
Project Location : 2

TESTING
No.0009
Lot ID: 2223262
Date Re-elDec 2Apr M5M MM
Date Reportec 2v ay , d5M MM
Report - Nu ner 2M6, M6M 78

haEe 8 ot M

Sample Number	MM6MIM8
Sampled Date	Apr M5M MM8, 2L Av
Sample Description	f asteP ater
Location	th 4v g u a n P R L - C M 2 0 2 1 - 0 0 3 / S H E
Date Analysis Commenced	Apr M5M MM
Condition of Sample	wortainec in tP o Elass Dal5one au ner Elass nettle anc lDe plasti: nettles5sau ple : ontainers : ou ply to pretreatu ent 7 preserDaton stanc arcs 9Ah3ASUBHHA

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenit	u E/.	, C , , 6	, C , , L	, C M	≤, 0L	≤, 0L	4asec on AH3A 9M 8KJ568M	4antESos
4anINu	u E/.	, C , , 6	, C , , L	, 0K	≤8C	≤8C	4asec on AH3A 9M 8KJ568M	4antESos
wacu INu	u E/.	, C , , 6	, C , , L	- ot 0ete:tec	≤, C 6	≤, C 8	4asec on AH3A 9M 8KJ568M	4antESos
wopper	u E/.	, C , , 6	, C , , L	, 0B	≤MC	≤8	4asec on AH3A 9M 8KJ568M	4antESos
3 exaBient: vbroou INu	u E/.	, C , 6	, C 8	- ot 0ete:tec	≤, 0L	≤, 0L	4asec on AH3A 9M 8KJ56L, , 7w 9)	4antESos
. eac	u E/.	, C , , 6	, C , , L	, C , 8	≤, 0M	≤, 0B	4asec on AH3A 9M 8KJ568M	4antESos
v anEanese	u E/.	, C , 6	, C , , L	, C k	≤LC	≤LC	4asec on AH3A 9M 8KJ568M	4antESos
v er: Nry *	u E/.	, C , , 8	, C , , L	- ot 0ete:tec	≤, C , L	≤, C , L	4asec on AH3A 9M 8KJ568M	4antESos
- i: Sel	u E/.	, C , , 6	, C , , L	, C , 8	≤8C	≤, 0M	4asec on AH3A 9M 8KJ568M	4antESos
BelenINu	u E/.	, C , , 6	, C , , L	- ot 0ete:tec	≤, C M	≤, C M	4asec on AH3A 9M 8KJ568M	4antESos
<dt:	u E/.	, C , 6	, C , L	, C d	≤LC	≤LC	4asec on AH3A 9M 8KJ568M	4antESos
Water Testing								
4Z0 9L cays at M ceFree w)	u E/.	7	M	OM	≤M	≤M	4asec on AH3A 9M 8KJ5LM8, 4	4antESos
wZ0	u E/.	8L	L	M	≤8M	≤8, ,	4asec on AH3A 9M 8KJ5LM 0	4antESos
Zil & Wrease	u E/.	7	6	O6	≤L	≤L	4asec on AH3A 9M 8KJ5LLM 4	4antESos
p3 at M. ceFree w	u E/.	7	7	kL	LULC	10.73L	4asec on AH3A 9M 8KJ5DL, , 73 9)	4antESos
Tau peratNe *	0eFree w	7	7	6M6	≤d,	≤d,	4asec on AH3A 9M 8KJ5ML, 4	4antESos
Total DissolDc: solics 0rtec at u E/.	u E/.	7	L	GM	≤6, , ,	≤86, ,	4asec on AH3A 9M 8KJ5MLd, w	4antESos
8G, ceFree w	u E/.	, 0L	8C	Md	≤8, ,	≤6L	4asec on AH3A 9M 8KJ5DL, , 7 of 4antESos 9w)	4antESos
Total Kjelcabl - itroEen as - * u E/.	u E/.	7	L	k	≤L,	≤6,	4asec on AH3A 9M 8KJ5MLd, 0	4antESos

Technical Management

Chanatt L.

wbanattaiEam gi : bou
BNperDsor
vutduuanat 7M d757dk8,

Approved by

KanoSSom Anes
Benior v anaEer
vutduuanat 7M d757dk888

Client: 2 Rat: banNt hoP er woS. teC
MIL v oo 15TNU mol 4ann 7Rai5Au poNv Oau noen BacNaSSRat: banNt Tbllanc
k.86,
P/O : 40guguanPRL-CM2021-003/SHE
Project Name : 2v omittorine tga
Project Location : 2

TESTING
No.0009
Lot ID: 2223262
Date Re-elDec 2Apr M5M MM
Date Reportec 2v ay , d5M MM
Report - Nu ner 2M6, M6M 78

haEe 8 ot M

Sample Number: MM6MIM8
Sampled Date: Apr M5M MM8, 2L Av
Sample Description: f asteP ater
Location: th 4v g u a n P R L - C M 2 0 2 1 - 0 0 3 / S H E
Date Analysis Commenced: Apr M5M MM
Condition of Sample: wortainec in tP o Elass Dal5one au ner Elass nettle anc lDe plasti: nettles5sau ple : ontainers : ou ply to pretreatu ent 7
preserDaton stanc arcs 9Ah3ASUBHHA

Metals Testing
Arsenit: u E/. , C , , 6 , C , , L , C M ≤, 0L ≤, 0L 4asec on AH3A 9M 8KJ568M 4antESos
4anINu: u E/. , C , , 6 , C , , L , 0K ≤8C ≤8C 4asec on AH3A 9M 8KJ568M 4antESos
wacu INu: u E/. , C , , 6 , C , , L - ot 0ete:tec ≤, C 6 ≤, C 8 4asec on AH3A 9M 8KJ568M 4antESos
wopper: u E/. , C , , 6 , C , , L , 0B ≤MC ≤8 4asec on AH3A 9M 8KJ568M 4antESos
3 exaBient: vbroou INu: u E/. , C , 6 , C 8 - ot 0ete:tec ≤, 0L ≤, 0L 4asec on AH3A 9M 8KJ56L, , 7w 9) 4antESos
. eac: u E/. , C , , 6 , C , , L , C , 8 ≤, 0M ≤, 0B 4asec on AH3A 9M 8KJ568M 4antESos
v anEanese: u E/. , C , 6 , C , , L , C k ≤LC ≤LC 4asec on AH3A 9M 8KJ568M 4antESos
v er: Nry *: u E/. , C , , 8 , C , , L - ot 0ete:tec ≤, C , L ≤, C , L 4asec on AH3A 9M 8KJ568M 4antESos
- i: Sel: u E/. , C , , 6 , C , , L , C , 8 ≤8C ≤, 0M 4asec on AH3A 9M 8KJ568M 4antESos
BelenINu: u E/. , C , , 6 , C , , L - ot 0ete:tec ≤, C M ≤, C M 4asec on AH3A 9M 8KJ568M 4antESos
<dt: u E/. , C , 6 , C , L , C d ≤LC ≤LC 4asec on AH3A 9M 8KJ568M 4antESos

Water Testing
4Z0 9L cays at M ceFree w): u E/. 7 M OM ≤M ≤M 4asec on AH3A 9M 8KJ5LM8, 4 4antESos
wZ0: u E/. 8L L M ≤8M ≤8, , 4asec on AH3A 9M 8KJ5LM 0 4antESos
Zil & Wrease: u E/. 7 6 O6 ≤L ≤L 4asec on AH3A 9M 8KJ5LLM 4 4antESos
p3 at M. ceFree w: u E/. 7 7 kL LULC 10.73L 4asec on AH3A 9M 8KJ5DL, , 73 9) 4antESos
Tau peratNe *: 0eFree w 7 7 6M6 ≤d, ≤d, 4asec on AH3A 9M 8KJ5ML, 4 4antESos
Total DissolDc: solics 0rtec at u E/. 7 L GM ≤6, , , ≤86, , 4asec on AH3A 9M 8KJ5MLd, w 4antESos
8G, ceFree w: u E/. , 0L 8C Md ≤8, , ≤6L 4asec on AH3A 9M 8KJ5DL, , 7 of 4antESos 9w) 4antESos
Total Kjelcabl - itroEen as - * u E/. 7 L k ≤L, ≤6, 4asec on AH3A 9M 8KJ5MLd, 0 4antESos

Technical Management: Chanatt L.
wbanattaiEam gi : bou
BNperDsor
vutduuanat 7M d757dk8,
Approved by: KanoSSom Anes
Benior v anaEer
vutduuanat 7M d757dk888

Approved by: Siriluk P.
Siriluk Puengiang
Supervisor

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5:Report_AU_2024pt (8.34MW)
S01-31/09/AL



Analysis / Test Report

Client : RatPahmi woCer . ol, 4tLl
2-8 Moo 6, Trn hol Bann NRai, Ab pMrt Dab noen Sadnak, RatcPahmi TPalland
30170
P/O : 40gjnawfrw 4N M2021N07/SHE
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 2250119
Date Received : May 15, 2022
Date Reported : May 26, 2022
Report urth her : 27280-7N

Page 1 of 2

Sample Number	Sample Date	Sample Description	Location	Date Analysis Commenced	Condition of Sample	Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
2280115N	May 15, 2022 12:80 wM	9 astcater	ในขั้วไฟฟ้าใน Caste Cater Polding hasin2 W5 - 3w08567Q , 180- - Q2)	May 20, 2022	. contained in tCo glass vials, one ab her glass hottle and five plastic hottles, sab ple containers cob ply to pretreatb ent N preservation standards WwHA, USEVA)	Metals Testing								
Arsenic	b g/4	0.0007	0.0008	0.01	≤0.28	Based on AwHA W013), 7128	Bangkok							
Baritb	b g/4	0.0007	0.0008	0.10	≤1.10	Based on AwHA W013), 7128	Bangkok							
. adb inb	b g/4	0.0007	0.0008	ut Detected	≤0.07	Based on AwHA W013), 7128	Bangkok							
. opper	b g/4	0.0007	0.0008	0.02	≤2.10	Based on AwHA W013), 7128	Bangkok							
Hexavalent . Prob inb	b g/4	0.0007	0.01	ut Detected	≤0.28	Based on AwHA W013), 7800N r W)	Bangkok							
4ead	b g/4	0.0007	0.0008	0.0003	≤0.20	Based on AwHA W013), 7128	Bangkok							
Manganese	b g/4	0.0007	0.0008	0.06	≤8.10	Based on AwHA W013), 7128	Bangkok							
Mercury *	b g/4	0.0001	0.0008	0.0008	≤0.008	Based on AwHA W013), 7112	Bangkok							
uickel	b g/4	0.0007	0.0008	0.001	≤0.2	Based on AwHA W013), 7128	Bangkok							
Seleninb	b g/4	0.0007	0.0008	ut Detected	≤0.02	Based on AwHA W013), 7128	Bangkok							
<nrc	b g/4	0.0007	0.008	0.08	≤8.10	Based on AwHA W013), 7128	Bangkok							
Water Testing														
BZD W8 days at 20 degree .)	b g/4	N	2	7	≤20	Based on AwHA W013), 8210 B	Bangkok							
. ZD	b g/4	1.8	8	11	≤1.20	Based on AwHA W013), 8220 D	Bangkok							
Zil O (rease	b g/4	N	7	7	≤8	Based on AwHA W013), 8820 B	Bangkok							
pH at 28 degree .		N	N	3IG	8.6N6.0	Based on AwHA W013), - 800NH W)	Bangkok							
Teb peratme *	Degree .	N	N	70.8	≤- 0	Based on AwHA W013), 2880 B	Bangkok							
Total Dissolved solids Dried at 100 degree .	b g/4	N	8	61.6	≤7000	Based on AwHA W013), 28- 0 .	Bangkok							
Total SeldadPI uitrogen as u *	b g/4	0.18	1.0	61.5	≤1.00	Based on AwHA W013), - 800Nong W)	Bangkok							
Total Snpended Solids Dried at 107N08 degree .	b g/4	N	8	8	≤80	Based on AwHA W013), 28- 0 D	Bangkok							

Technical Management

Savitree N.
Savitree uolasinglab
Manager
วชิรณัฐ นฤ- NN- 305

Approved by

Kanokorn Anek
Senior Manager
วชิรณัฐ นฤ- NN61.11

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807197 / BM44

S:\Reports\AL_2021.rpt (4:28PM)



Analysis / Test Report

Client : RatcHaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand
70130
P/O : 40gjnawfrw RCL-CM2021-003/SHE
Project Name : Monitoring EIA
Project Location :

Lot ID: 2250119
Date Received : May 19, 2022
Date Reported : May 26, 2022
Report Number : 2325043-2

Page 1 of 1

Sample Number	2250119-1													
Sampled Date	May 19, 2022 12:50 PM													
Sample Description	Wastewater													
Location	น้ำทิ้งจากพื้นที่ waste water holding basin2 (GPS 47P 0596380 , 1504482)													
Date Analysis Commenced	May 20, 2022													
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)													
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location						
Water Testing														
Conductivity at 25 degree C	micromhos/cm	-	0.5	1079	No Standard	No Standard	Based on APHA (2017), 2510 B	Bangkok						

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Underserved Discharged water into Irrigation system.

Sampled By : Norrasat Komal

Remark :

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

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Approved by

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Siriluk Puengiang
Supervisor

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901-31 / BM44

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Analysis / Test Report

Client D Ratvhabiri Power Co.2Ltd.
0-8 4 oo , 2TImbol Bann N Rai2Amph1r camoen Sa61ak2Ratvhabiri Thailan6
3:57:
P/O : 809nuewRPCLN40:05N : 7/SHE
Project Name D monitoring EIA
Project Location D

TESTING
No.0009
Lot ID: 2257866
cate Revele66 DM n 5, 20: 00
cate Reporte66 DM n 0720: 00
Report u lmb6r D078- : : 516

Page 5 of 0

Sample Number	Sampled Date	Sample Description	Location	Date Analysis Commenced	Condition of Sample	Analyte	Unit	LOD	Result	Guideline (1)	Guideline (2)	Method	Testing Location
00839, , N	Mn 5, 20: 00 55D: A4	Wastewater	น้ำทิ้งจากพื้นที่ waste water holding basin0 (GPS -3P : 8), 79: 258: - -90 U	Mn 5320: 00	Contained in two glass dials2one amber glass bottle and 6 fide plastiv bottles2sample vointainers vompily to pretreatment N presentation stan6ar6s (APHA2x SEPAU	Metals Testing							
Arseniv	mg/L	0.0007	0.0008	0.0009	0.0010	mg/L	0.0007	0.0008	0.0009	0.0010	0.0011	Based on APHA (0: 53U27508	Bangkok
Barium	mg/L	0.0007	0.0008	0.0009	0.0010	mg/L	0.0007	0.0008	0.0009	0.0010	0.0011	Based on APHA (0: 53U27508	Bangkok
Calcium	mg/L	0.0007	0.0008	0.0009	0.0010	mg/L	0.0007	0.0008	0.0009	0.0010	0.0011	Based on APHA (0: 53U27508	Bangkok
Copper	mg/L	0.0007	0.0008	0.0009	0.0010	mg/L	0.0007	0.0008	0.0009	0.0010	0.0011	Based on APHA (0: 53U27508	Bangkok
Hexadent Chromilim	mg/L	0.0007	0.0008	0.0009	0.0010	mg/L	0.0007	0.0008	0.0009	0.0010	0.0011	Based on APHA (0: 53U27508	Bangkok
Lead	mg/L	0.0007	0.0008	0.0009	0.0010	mg/L	0.0007	0.0008	0.0009	0.0010	0.0011	Based on APHA (0: 53U27508	Bangkok
4 anganese	mg/L	0.0007	0.0008	0.0009	0.0010	mg/L	0.0007	0.0008	0.0009	0.0010	0.0011	Based on APHA (0: 53U27508	Bangkok
4 envliry Z	mg/L	0.0007	0.0008	0.0009	0.0010	mg/L	0.0007	0.0008	0.0009	0.0010	0.0011	Based on APHA (0: 53U27508	Bangkok
uikel	mg/L	0.0007	0.0008	0.0009	0.0010	mg/L	0.0007	0.0008	0.0009	0.0010	0.0011	Based on APHA (0: 53U27508	Bangkok
Selenilim	mg/L	0.0007	0.0008	0.0009	0.0010	mg/L	0.0007	0.0008	0.0009	0.0010	0.0011	Based on APHA (0: 53U27508	Bangkok
Oniv	mg/L	0.0007	0.0008	0.0009	0.0010	mg/L	0.0007	0.0008	0.0009	0.0010	0.0011	Based on APHA (0: 53U27508	Bangkok
Water Testing													
B&c (8 days at 0: 6egree CU	mg/L	N	0	7	0	mg/L	N	0	7	0	0	Based on APHA (0: 53U2805: B	Bangkok
C&c	mg/L	5.8	8	57	0	mg/L	5.8	8	57	0	0	Based on APHA (0: 53U2800: c	Bangkok
&il K Grease	mg/L	N	7	-	0	mg/L	N	7	-	0	0	Based on APHA (0: 53U2800: B	Bangkok
pH at 08 6egree C		N	N	3.7	8.8N : , 8N0.8		N	N	3.7	8.8N : , 8N0.8		Based on APHA (0: 53U2- 8: :M	Bangkok
Temperatire Z	c degree C	N	N	75.-	0		N	N	75.-	0	0	Based on APHA (0: 53U2088: B	Bangkok
Total cissolides solifes crie6 at	mg/L	N	8),	0	mg/L	N	8),	0	0	Based on APHA (0: 53U208- : C	Bangkok
59: 6egree C													
Total J z6ib6hi uitrogen as u Z	mg/L	0.58	5:	5.)	0	mg/L	0.58	5:	5.)	0	0	Based on APHA (0: 53U2- 8: :N org	Bangkok
Total S1pen666 Solifes crie6	mg/L	N	8	5:	0	mg/L	N	8	5:	0	0	Based on APHA (0: 53U208- : c	Bangkok
at 5: 7N6: 8 6egree C													

Technical Management

Chanattagarn Imvhom
Siperdisor
หน้างานวันที่ 10: - NN 35:

Approved by

Chanokorn Anek
Senior 4 anager
หน้างานวันที่ 10: - NN 555

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8: 7995/ 64 AL

8: 7995/ 64 AL



Analysis / Test Report

Client D Ratvhabiri Power Co.2Ltd.
0-8 4 oo , 2TImbol Bann N Rai2Amph1r camoen Sa61ak2Ratvhabiri Thailan6
3:57:
P/O : 809nuewRPCLN40:05N : 7/SHE
Project Name D monitoring EIA
Project Location D

Lot ID: 2257866

cate Revele66 DM n 5, 20: 00
cate Reporte66 DM n 0720: 00
Report u lmb6r D078- : : 516

Page 5 of 5

Sample Number	Sampled Date	Sample Description	Location	Date Analysis Commenced	Condition of Sample	Analyte	Unit	LOD	Result	Guideline (1)	Guideline (2)	Method	Testing Location
00839, , N	Mn 5, 20: 00 55D: A4	Wastewater	น้ำทิ้งจากพื้นที่ waste water holding basin0 (GPS -3P : 8), 79: 258: - -90 U	Mn 5320: 00	Contained in two glass dials2one amber glass bottle and 6 fide plastiv bottles2sample vointainers vompily to pretreatment N presentation stan6ar6s (APHA2x SEPAU	Water Testing							
Con61 vidity at 08 6egree C	mg/L	0.0007	0.0008	0.0009	0.0010	mg/L	0.0007	0.0008	0.0009	0.0010	0.0011	Based on APHA (0: 53U2085: B	Bangkok

Guideline : GI6eline (SUDEfficient stan6ar6 for favorites2in61strial estate and 6 in61strial park set by uotification of the 4 inistry of uattrial Reso1rve and Endrimment and effi1ent stan6ar6 for favorites and 6 in61strial park set by uotification of The 4 inistry of In61strial gated Mne : 32B.E.08) : (0: 53U GI6eline (OUDAnnoInvement of Royal Irrigation uo. 59/08, 5 s1bjevt to Predention and 6 Correvition the J n6eserde6 c isvarged water into Irrigation system.

Sampled vy : uonrasat Komal

Remark D

LOc

Limit of c etextion

Lower than LOQ (Limit of Q1antitationU/ LOR (Limit of ReportingU

Approved by

Siriluk P.

Siriluk Piangang
Siperdisor

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ภาคผนวก จ-5

สำเนาหนังสือตอบรับการเชื่อมต่อสัญญาณ

COD/BOD Online



ที่ อก ๐๓๐๓/ ๕๗๕๗

Ratchaburi Power Company Limited			
Receive No.	4๐๑/๒๐๑๒	Date	3๐/0๔/12
<input type="checkbox"/> FAX		<input type="checkbox"/> E-Mail	
Reply No.		Date	
กรมโรงงานอุตสาหกรรม			
<input type="checkbox"/> FAX		<input type="checkbox"/> E-Mail	
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 (ตามมาตรการ EIA)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O :
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 21152958
Date Received : Jan 18, 2022
Date Reported : Jan 25, 2022
Report Number : 2192489-1

Page 1 of 8

Sample Number 21152958-1
Sampled Date Jan 18, 2022 9:10 AM
Sample Description Surface Water
Location บริเวณท่าเรือคลองวัดดอนบ้านท่าทราย : ท่าสาธิตท่าเรือท่าเรือคลองท่าเรือ (GPS 47P 0588445 , 1501255)
Date Analysis Commenced Jan 19, 2022
Condition of Sample Contained in six plastic bottles, two glass vials bottles and two BOD bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	Result	Guideline / Specification	Method	Testing Location
Metals Testing						
Cadmium	mg/L	0.0003	Not Detected	≤0.005	Based on APHA (2017), 3125	Bangkok
Calcium	mg/L	0.03	42.4	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Copper	mg/L	0.0003	0.0007	≤0.10	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	Not Detected	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
Iron	mg/L	0.003	0.25	No Standard	Based on APHA (2017), 3125	Bangkok
Lead	mg/L	0.0003	0.0006	≤0.05	Based on APHA (2017), 3125	Bangkok
Magnesium	mg/L	0.03	9.61	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Mercury	mg/L	0.0001	Not Detected	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
Zinc	mg/L	0.003	Not Detected	≤1	Based on APHA (2017), 3125	Bangkok
Microbiological Testing						
Fecal Coliform	MPN/100mL	-	130.0	≤4000	APHA (2017), 9221 E	Bangkok
Total Coliform	MPN/100mL	-	1100.0	≤20000	APHA (2017), 9221 B	Bangkok
Water Testing						
BOD (5 days at 20 degree C) *	mg/L	-	<2	≤2	Based on APHA (2017), 5210 B	Bangkok
Chloride as Cl *	mg/L	0.06	24.8	No Standard	APHA (2017), 4110 B	Bangkok
Color *	Color unit	-	10	n	APHA (2017), 2120 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	367	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	4.8	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
Nitrate as N	mg/L	0.06	0.3	≤5	APHA (2017), 4110 B	Bangkok
pH at 25 degree C	-	-	8.2	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Phosphate as P *	mg/L	0.15	Not Detected	No Standard	APHA (2017), 4110 B	Bangkok

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Approved by

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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 : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 21152958
Date Received : Jan 18, 2022
Date Reported : Jan 25, 2022
Report Number : 2192489-1

Page 2 of 8

Sample Number 21152958-1
Sampled Date Jan 18, 2022 9:10 AM
Sample Description Surface Water
Location บริเวณท่าเรือคลองวัดดอนบ้านท่าทราย : ท่าสาธิตท่าเรือท่าเรือคลองท่าเรือ (GPS 47P 0588445 , 1501255)
Date Analysis Commenced Jan 19, 2022
Condition of Sample Contained in six plastic bottles, two glass vials bottles and two BOD bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	Result	Guideline / Specification	Method	Testing Location
Water Testing						
Salinity *	ppt	-	0.1	No Standard	Based on APHA (2017), 2520 B	Bangkok
Sulfate *	mg/L	0.15	0.5	No Standard	APHA (2017), 4110 B	Bangkok
Temperature *	Degree C	-	30.3	n	Based on APHA (2017), 2550 B	Bangkok
Total Alkalinity as CaCO3 *	mg/L	-	124	No Standard	Based on APHA (2017), 2320 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	148	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Hardness as CaCO3 *	mg/L	-	147	No Standard	APHA (2017), 2340 C	Bangkok
Total Solids Dried at 103-105 degree C *	mg/L	-	160	No Standard	APHA (2017), 2540 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	11	No Standard	Based on APHA (2017), 2540 D	Bangkok
Turbidity *	NTU	-	0.1	No Standard	APHA (2017), 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

Sampled By : Jirarat Knowlao

Remark :

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

Approved by

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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 : ศึกษานโยบายการดำเนินงานด้านสิ่งแวดล้อม (GPS 47P 0588445 , 1501255)
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 2250122
Date Received : May 19, 2022
Date Reported : May 27, 2022
Report Number : 2295206-1

Page 1 of 8

Sample Number 2250122-1
Sampled Date May 19, 2022 11:00 AM
Sample Description Surface Water
Location บริเวณพื้นที่แหล่งท่องเที่ยววัดบ้านท่าทราย : ตำบลท่าทราย อำเภอเมืองราชบุรี (GPS 47P 0588445 , 1501255)
Date Analysis Commenced May 20, 2022
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	Based on APHA (2017), 3125	Bangkok
Calcium	mg/L	0.03	0.05	31.1	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Copper	mg/L	0.0003	0.0005	0.0007	≤0.10	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	Based on APHA (2017), 3500-Cr (6)	Bangkok
Iron	mg/L	0.003	0.005	0.52	No Standard	Based on APHA (2017), 3125	Bangkok
Lead	mg/L	0.0003	0.0005	0.0010	≤0.05	Based on APHA (2017), 3125	Bangkok
Magnesium	mg/L	0.03	0.05	6.57	No Standard	Based on US EPA, Method 200.7, Revision 4.4	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
Zinc	mg/L	0.003	0.005	Not Detected	≤1	Based on APHA (2017), 3125	Bangkok
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	1400.0	≤4000	APHA (2017), 9221 E	Bangkok
Total Coliform	MPN/100mL	-	-	4900.0	≤20000	APHA (2017), 9221 B	Bangkok
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Bangkok
Chloride as Cl *	mg/L	0.06	0.2	5.4	No Standard	Based on APHA (2017), 4110 B	Bangkok
Color *	Color unit	-	5	<5	n	APHA (2017), 2120 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	231	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	6.7	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
Nitrate as N	mg/L	0.06	0.2	<0.2	≤5	Based on APHA (2017), 4110 B	Bangkok
pH at 25 degree C	-	-	-	7.6	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Phosphate as P *	mg/L	0.15	0.5	Not Detected	No Standard	Based on APHA (2017), 4110 B	Bangkok

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Approved by

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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 : ศึกษานโยบายการดำเนินงานด้านสิ่งแวดล้อม (GPS 47P 0588445 , 1501255)
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 2250122
Date Received : May 19, 2022
Date Reported : May 27, 2022
Report Number : 2295206-1

Page 2 of 8

Sample Number 2250122-1
Sampled Date May 19, 2022 11:00 AM
Sample Description Surface Water
Location บริเวณพื้นที่แหล่งท่องเที่ยววัดบ้านท่าทราย : ตำบลท่าทราย อำเภอเมืองราชบุรี (GPS 47P 0588445 , 1501255)
Date Analysis Commenced May 20, 2022
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							
Salinity *	ppt	-	0.1	0.1	No Standard	Based on APHA (2017), 2520 B	Bangkok
Sulfate *	mg/L	0.15	0.5	4.3	No Standard	Based on APHA (2017), 4110 B	Bangkok
Temperature *	Degree C	-	-	28.5	n	Based on APHA (2017), 2550 B	Bangkok
Total Alkalinity as CaCO3 *	mg/L	-	1	86	No Standard	Based on APHA (2017), 2320 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	124	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Hardness as CaCO3 *	mg/L	-	1	106	No Standard	APHA (2017), 2340 C	Bangkok
Total Solids Dried at 103-105 degree C *	mg/L	-	5	146	No Standard	APHA (2017), 2540 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	21	No Standard	Based on APHA (2017), 2540 D	Bangkok
Turbidity *	NTU	-	0.1	16	No Standard	APHA (2017), 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

Sampled By : Norrasat Komal

Remark :
- LOD : Limit of Detection
- "<n" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * : 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

Savitree N.

Savitree Nolsiangiam
Manager

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คุณภาพน้ำผิวดินบริเวณคลองบางป่า 3 จุด
(ตามมาตรการ EIA)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.

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

P/O : Project Name : Monitoring EIA

Project Location :

TESTING
No.0009
Lot ID: 21152958

Date Received : Jan 18, 2022

Date Reported : Jan 25, 2022

Report Number : 2192489-1

Page 3 of 8

Sample Number	21152958-2
Sampled Date	Jan 18, 2022 9:40 AM
Sample Description	Surface Water
Location	คลองน้ำ : คลองน้ำท่า (GPS 47P 0593523 , 1501000)
Date Analysis Commenced	Jan 19, 2022
Condition of Sample	Contained in five plastic bottles, two glass vials bottles and two BOD 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	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	0.01	≤0.10	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
Iron	mg/L	0.003	0.005	0.21	No Standard	Based on APHA (2017), 3125	Bangkok
Lead	mg/L	0.0003	0.0005	0.001	≤0.05	Based on APHA (2017), 3125	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
Zinc	mg/L	0.003	0.005	0.03	≤1	Based on APHA (2017), 3125	Bangkok
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Bangkok
COD *	mg/L	1.5	5	39	No Standard	Based on APHA (2017), 5220 D	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1120	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.1	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C	-	-	-	8.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Phosphate as P *	mg/L	0.15	0.5	Not Detected	No Standard	APHA (2017), 4110 B	Bangkok
Temperature *	Degree C	-	-	30.2	n'	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	624	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Solids Dried at 103-105 degree C *	mg/L	-	5	644	No Standard	APHA (2017), 2540 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	18	No Standard	Based on APHA (2017), 2540 D	Bangkok
Turbidity *	NTU	-	0.1	4.5	No Standard	APHA (2017), 2130 B	Bangkok

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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 : Monitoring EIA

Project Location :

TESTING
No.0009
Lot ID: 21152958

Date Received : Jan 18, 2022

Date Reported : Jan 25, 2022

Report Number : 2192489-1

Page 5 of 8

Sample Number	21152958-3
Sampled Date	Jan 18, 2022 11:05 AM
Sample Description	Surface Water
Location	คลองน้ำ : คลองน้ำท่า (GPS 47P 0533772 , 1501462)
Date Analysis Commenced	Jan 19, 2022
Condition of Sample	Contained in five plastic bottles, two glass vials bottles and two BOD 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	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	0.002	≤0.10	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
Iron	mg/L	0.003	0.005	0.37	No Standard	Based on APHA (2017), 3125	Bangkok
Lead	mg/L	0.0003	0.0005	0.0008	≤0.05	Based on APHA (2017), 3125	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
Zinc	mg/L	0.003	0.005	0.02	≤1	Based on APHA (2017), 3125	Bangkok
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Bangkok
COD *	mg/L	1.5	5	33	No Standard	Based on APHA (2017), 5220 D	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	878	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.9	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C	-	-	-	8.2	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Phosphate as P *	mg/L	0.15	0.5	Not Detected	No Standard	APHA (2017), 4110 B	Bangkok
Temperature *	Degree C	-	-	31.8	n'	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	448	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Solids Dried at 103-105 degree C *	mg/L	-	5	464	No Standard	APHA (2017), 2540 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	14	No Standard	Based on APHA (2017), 2540 D	Bangkok
Turbidity *	NTU	-	0.1	6.0	No Standard	APHA (2017), 2130 B	Bangkok

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Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Barn - Raj, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาฉบับ PCL-CH2021-003/SHE

Project Name : Monitoring EIA

Project Location :

Lot ID: 2250122

Date Received : May 19, 2022

Date Reported : May 27, 2022

Report Number: 2295206-1

Page 3 of 8

Sample Number	2250122-2									
Sample Date	May 19, 2022 8:40 AM									
Sample Description	Surface Water									
Location	คลองบางกอกใหญ่ (GPS 47P 0593523 , 1501000)									
Date Analysis Commenced	May 20, 2022									
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	Based on APHA (2017), 3125	Bangkok			
Copper	mg/L	0.0003	0.0005	0.002	≤0.10	Based on APHA (2017), 3125	Bangkok			
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	Based on APHA (2017), 3500-Cr (6)	Bangkok			
Iron	mg/L	0.003	0.005	0.49	No Standard	Based on APHA (2017), 3125	Bangkok			
Lead	mg/L	0.0003	0.0005	0.001	≤0.05	Based on APHA (2017), 3125	Bangkok			
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok			
Zinc	mg/L	0.003	0.005	0.009	≤1	Based on APHA (2017), 3125	Bangkok			
Water Testing										
BOD (5 days at 20 degree C) *	mg/L	-	2	2	≤2	Based on APHA (2017), 5210 B	Bangkok			
COD *	mg/L	1.5	5	16	No Standard	Based on APHA (2017), 5220 D	Bangkok			
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1019	No Standard	Based on APHA (2017), 2510 B	Bangkok			
Dissolved Oxygen *	mg/L	-	0.1	2.6	≥4	Based on APHA (2017), 4500-O (C)	Bangkok			
pH at 25 degree C	-	-	-	7.4	5.0-9.0	Based on APHA (2017), 4500-H (6)	Bangkok			
Phosphate as P *	mg/L	0.15	0.5	Not Detected	No Standard	Based on APHA (2017), 4110 B	Bangkok			
Temperature *	Degree C	-	-	29.6	n ¹	Based on APHA (2017), 2550 B	Bangkok			
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	600	No Standard	Based on APHA (2017), 2540 C	Bangkok			
Total Solids Dried at 103-105 degree C *	mg/L	-	5	622	No Standard	APHA (2017), 2540 B	Bangkok			
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	20	No Standard	Based on APHA (2017), 2540 D	Bangkok			
Turbidity *	NTU	-	0.1	21	No Standard	APHA (2017), 2130 B	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

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Manager

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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 : นางสาวรพีรชล-ชม2021-003/SH
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 2250122
Date Received : May 19, 2022
Date Reported : May 27, 2022
Report Number : 2295206-1

Page 5 of 8

Sample Number 2250122-3
Sampled Date May 19, 2022 9:30 AM
Sample Description Surface Water
Location ศาลาประชาคม : วัดเขาชะอี หมู่ 1 km (GPS 47P 0593772 , 1501462)
Date Analysis Commenced May 20, 2022
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	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	0.002	≤0.10	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
Iron	mg/L	0.003	0.005	0.61	No Standard	Based on APHA (2017), 3125	Bangkok
Lead	mg/L	0.0003	0.0005	0.001	≤0.05	Based on APHA (2017), 3125	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
Zinc	mg/L	0.003	0.005	0.007	≤1	Based on APHA (2017), 3125	Bangkok
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Bangkok
COD *	mg/L	1.5	5	17	No Standard	Based on APHA (2017), 5220 D	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	990	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	2.9	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C	-	-	-	7.5	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Phosphate as P *	mg/L	0.15	0.5	Not Detected	No Standard	Based on APHA (2017), 4110 B	Bangkok
Temperature *	Degree C	-	-	29.3	n'	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	604	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Solids Dried at 103-105 degree C *	mg/L	-	5	622	No Standard	APHA (2017), 2540 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	18	No Standard	Based on APHA (2017), 2540 D	Bangkok
Turbidity *	NTU	-	0.1	15	No Standard	APHA (2017), 2130 B	Bangkok

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

Savitree N.

Approved by
Savitree Nolsianglam
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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : นางสาวรพีรชล-ชม2021-003/SH
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 2250122
Date Received : May 19, 2022
Date Reported : May 27, 2022
Report Number : 2295206-1

Page 7 of 8

Sample Number 2250122-4
Sampled Date May 19, 2022 9:00 AM
Sample Description Surface Water
Location ศาลาประชาคม : วัดเขาชะอี หมู่ 1 km (GPS 47P 0593840 , 1500128)
Date Analysis Commenced May 20, 2022
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	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	0.002	≤0.10	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
Iron	mg/L	0.003	0.005	0.51	No Standard	Based on APHA (2017), 3125	Bangkok
Lead	mg/L	0.0003	0.0005	0.001	≤0.05	Based on APHA (2017), 3125	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
Zinc	mg/L	0.003	0.005	0.02	≤1	Based on APHA (2017), 3125	Bangkok
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	2	≤2	Based on APHA (2017), 5210 B	Bangkok
COD *	mg/L	1.5	5	43	No Standard	Based on APHA (2017), 5220 D	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	974	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	2.5	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C	-	-	-	7.5	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Phosphate as P *	mg/L	0.15	0.5	Not Detected	No Standard	Based on APHA (2017), 4110 B	Bangkok
Temperature *	Degree C	-	-	29.8	n'	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	604	No Standard	Based on APHA (2017), 2540 C	Bangkok
Total Solids Dried at 103-105 degree C *	mg/L	-	5	628	No Standard	APHA (2017), 2540 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	20	No Standard	Based on APHA (2017), 2540 D	Bangkok
Turbidity *	NTU	-	0.1	22	No Standard	APHA (2017), 2130 B	Bangkok

The above results are valid only for the analyzed sample(s) as indicated in this report. No part of this report or certificate may be reproduced or used 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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นิเวศวิทยาทางน้ำ



สถานีวิทยุประมงศรีราชา
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

รายงานผลการวิเคราะห์แหล่งก้นดอนพืช
ตาราง ผลการวิเคราะห์แหล่งก้นดอนพืช (เก็บตัวอย่างวันที่ 18 มกราคม 2565)

ชนิดแหล่งก้นดอนพืช	ปริมาณแหล่งก้นดอนพืช (ต่อลูกบาศก์เมตร)		
	21152964-1	21152968-1	21152968-3
Division Cyanophyta			
Class Cyanophyceae			
Order Chroococcales			
Family Chroococcaceae			
1. Microcystis aeruginosa	-	26,000	-
Order Nostocales			
Family Oscillatoriaceae			
2. Oscillatoria princeps	-	-	13,000
3. Oscillatoria sp.	33,000	26,000	1,114,000
4. Oscillatoria tenuis	-	13,000	128,000
5. Spirulina platensis	-	-	333,000
Family Nostocaceae			
6. Cylandropspermum sp.	-	-	-
7. Raphidiopsis mediterranea	-	-	282,000

ตาราง ผลการวิเคราะห์แหล่งก้นดอนพืช (เก็บตัวอย่างวันที่ 18 มกราคม 2565)
(ต่อ)

ชนิดแหล่งก้นดอนพืช	ปริมาณแหล่งก้นดอนพืช (ต่อลูกบาศก์เมตร)		
	21152964-1	21152968-1	21152968-3
Division Chlorophyta			
Class Chlorophyceae			
Order Volvocales			
Family Volvocaceae			
8. Eudorina elegans	8,000	-	-
9. Gonium sociale	-	33,000	-
10. Pandorina morum	-	-	13,000
Order Tetrasporales			
Family Palmellaceae			
11. Gloeocystis planctonica	-	100,000	-
12. Sphaerocystis shroeteri	57,000	52,000	-
Order Chlorococcales			
Family Chlorrococcaceae			
13. Acanthosphaera zachariasi	-	-	66,000
Family Hydrodictyaceae			
14. Pediatrum boryanum	-	-	422,000
15. Pediatrum duplex	-	13,000	830,000
16. Pediatrum tetras	33,000	52,000	1,826,000
17. Pediatrum simplex	-	155,000	6,308,000
Family Coelastraceae			
18. Coelastrum microporum	82,000	-	1,461,000
Family Oocystaceae			
19. Ankistrodesmus falcatus	-	413,000	66,000
20. Ankistrodesmus spiralis	25,000	52,000	282,000
21. Chlorella vulgaris	8,000	-	249,000
22. Dictyosphaerium pulchellum	-	-	930,000
23. Kirchneriella subsolitaria	25,000	-	266,000

ตาราง ผลการวิเคราะห์แหล่งกอนพืช (เก็บตัวอย่างวันที่ 18 มกราคม 2565)
(ต่อ)

ชนิดแหล่งกอนพืช	ปริมาณแหล่งกอนพืช (ต่อลูกบาศก์เมตร)			
	21152964-1	21152968-1	21152968-2	21152968-3
24. <i>Oocystis elliptica</i>	-	-	50,000	64,000
25. <i>Planktosphaeria gelatinosa</i>	66,000	-	116,000	-
26. <i>Planktosphaeria</i> sp.	-	-	1,062,000	230,000
27. <i>Selenastrum gracile</i>	-	13,000	199,000	218,000
28. <i>Tetradron gracile</i>	-	13,000	50,000	-
29. <i>Tetradron minimum</i>	-	26,000	-	-
30. <i>Tetradron trigonum</i>	16,000	26,000	-	115,000
Family Scenedesmaceae				
31. <i>Actinastrum hantzschii</i>	-	-	-	128,000
32. <i>Cricigenia apiculata</i>	131,000	606,000	66,000	51,000
33. <i>Microactinium pusillum</i>	-	-	564,000	-
34. <i>Microactinium quadrisetum</i>	-	-	863,000	-
35. <i>Scenedesmus acuminatus</i>	-	13,000	50,000	-
36. <i>Scenedesmus arcuatus</i>	-	77,000	232,000	-
37. <i>Scenedesmus armatus</i>	-	271,000	2,158,000	1,446,000
38. <i>Scenedesmus dimorphus</i>	25,000	787,000	2,224,000	858,000
39. <i>Scenedesmus opaliensis</i>	33,000	142,000	7,636,000	2,560,000
40. <i>Scenedesmus</i> sp.	16,000	77,000	-	-
Order Zygnatales				
Family Desmidiaceae				
41. <i>Closterium gracile</i>	-	-	-	38,000
42. <i>Closterium kuetzingii</i>	-	-	-	64,000
43. <i>Closterium ralfsii</i>	-	-	-	38,000
44. <i>Staurastrum gracile</i>	8,000	-	249,000	-
45. <i>Staurastrum</i> sp.	-	13,000	-	218,000

ตาราง ผลการวิเคราะห์แหล่งกอนพืช (เก็บตัวอย่างวันที่ 18 มกราคม 2565)
(ต่อ)

ชนิดแหล่งกอนพืช	ปริมาณแหล่งกอนพืช (ต่อลูกบาศก์เมตร)			
	21152964-1	21152968-1	21152968-2	21152968-3
Class Euglenophyceae				
Order Euglenales				
Family Euglenaceae				
46. <i>Euglena acus</i>	-	129,000	-	320,000
47. <i>Euglena oxyuris</i>	-	77,000	-	13,000
48. <i>Euglena viridis</i>	-	77,000	-	141,000
49. <i>Lepocircelis ovum</i>	8,000	4,386,000	-	218,000
50. <i>Phacus angulatus</i>	-	245,000	133,000	38,000
51. <i>Phacus hamatus</i>	8,000	26,000	-	115,000
52. <i>Phacus longicauda</i>	-	-	-	51,000
53. <i>Phacus myersi</i>	-	39,000	-	-
54. <i>Phacus pleuronectes</i>	-	-	-	38,000
55. <i>Phacus</i> sp.	-	26,000	-	13,000
56. <i>Phacus tortus</i>	-	52,000	33,000	77,000
57. <i>Strombomonas girardiana</i>	8,000	26,000	17,000	-
58. <i>Trachelomonas crebea</i>	-	39,000	-	-
59. <i>Trachelomonas hispida</i>	16,000	26,000	66,000	-
Division Chromophyta				
Class Bacillariophyceae				
Order Biddulphiales				
Suborder Coscinodiscineae				
Family Thalassiosiraceae				
60. <i>Cyclotella meneghiniana</i>	16,000	-	-	-
61. <i>Cyclotella stelligera</i>	320,000	11,997,000	9,296,000	40,960,000
Family Melosiraceae				
62. <i>Melosira varians</i>	57,000	13,000	-	-

ตาราง ผลการวิเคราะห์แหล่งก้อนพืช (เก็บตัวอย่างวันที่ 18 มกราคม 2565)
(ต่อ)

ชนิดแหล่งก้อนพืช	ปริมาณแหล่งก้อนพืช (ต่อลูกบาศก์เมตร)			
	21152964-1	21152968-1	21152968-2	21152968-3
Family Aulacoseiraceae				
63. <i>Aulacoseira baicalensis</i>	-	-	12,118,000	499,000
64. <i>Aulacoseira granulata</i>	-	26,000	1,660,000	256,000
Order Bacillariales				
Suborder Fragilariineae				
Family Fragilariaceae				
65. <i>Fragilaria capucina</i>	49,000	400,000	465,000	602,000
66. <i>Synedra acus</i>	-	39,000	598,000	166,000
67. <i>Synedra rumpens</i>	-	-	730,000	128,000
68. <i>Synedra ulna</i>	139,000	129,000	415,000	1,280,000
Family Licmophoriaceae				
69. <i>Licmophora abbreviata</i>	-	-	-	102,000
Suborder Bacillariineae				
Family Eunotiaceae				
70. <i>Eunotia pectinalis</i>	-	-	-	256,000
71. <i>Eunotia tenella</i>	-	-	-	115,000
Family Cymbellaceae				
72. <i>Cymbella tunida</i>	49,000	-	-	-
73. <i>Gomphonema parvulum</i>	16,000	13,000	50,000	1,224,000
Family Naviculaceae				
74. <i>Amphora</i> sp.	8,000	-	66,000	51,000
75. <i>Gyrosigma attenuatum</i>	139,000	39,000	-	333,000
76. <i>Gyrosigma distortum</i>	180,000	-	-	13,000
77. <i>Gyrosigma scalproides</i>	66,000	-	17,000	-
78. <i>Gyrosigma</i> sp.	123,000	-	-	-
79. <i>Navicula cuspidata</i>	8,000	13,000	-	51,000
80. <i>Navicula lanceolata</i>	25,000	-	-	-

ตาราง ผลการวิเคราะห์แหล่งก้อนพืช (เก็บตัวอย่างวันที่ 18 มกราคม 2565)
(ต่อ)

ชนิดแหล่งก้อนพืช	ปริมาณแหล่งก้อนพืช (ต่อลูกบาศก์เมตร)			
	21152964-1	21152968-1	21152968-2	21152968-3
81. <i>Pinnularia grunowii</i>	-	-	-	141,000
82. <i>Pinnularia viridis</i>	-	-	-	128,000
83. <i>Pleurosigma angulatum</i>	33,000	-	-	-
Family Bacillariaceae				
84. <i>Bacillaria paxillifer</i>	33,000	-	-	-
85. <i>Nitzschia acicularis</i>	-	39,000	-	2,816,000
86. <i>Nitzschia lorenziana</i>	98,000	-	-	-
87. <i>Nitzschia reversa</i>	-	129,000	-	934,000
88. <i>Nitzschia sigma</i>	25,000	-	-	-
89. <i>Nitzschia sigmaidea</i>	66,000	-	-	-
90. <i>Nitzschia</i> sp.	82,000	-	-	90,000
91. <i>Tryblionella</i> sp.	-	39,000	-	294,000
92. <i>Tryblionella victorale</i>	-	-	50,000	-
Family Surirellaceae				
93. <i>Surirella elegans</i>	49,000	13,000	-	64,000
94. <i>Surirella linearis</i>	49,000	-	-	-
95. <i>Surirella ovata</i>	238,000	39,000	-	-
96. <i>Surirella robusta</i>	90,000	-	-	-
97. <i>Surirella tenera</i>	25,000	-	-	-
Class Dinophyceae				
Order Gonyaulacales				
Family Ceratiaceae				
98. <i>Ceratium hirundinella</i>	-	-	116,000	-
Order Peridinales				
Family Peridiniaceae				
99. <i>Peridinium cumingtonii</i>	-	-	7,802,000	512,000
100. <i>Peridinium gatunense</i>	-	13,000	-	-

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 18 มกราคม 2565)
(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (ต่อลูกบาศก์เมตร)			
	21152964-1	21152968-1	21152968-2	21152968-3
101. <i>Peridinium</i> sp.	66,000	39,000	-	333,000
ชนิดแพลงก์ตอนพืช	45	49	50	61
ปริมาณแพลงก์ตอนพืช	2,655,000	20,994,000	104,279,000	63,536,000
ดัชนีความหลากหลายแพลงก์ตอนพืช	3.3619	1.6572	2.3899	1.8405
ดัชนีความสม่ำเสมอแพลงก์ตอนพืช	0.8832	0.4258	0.6109	0.4477

Sample Location :

- สถานี 21152964-1 : แม่น้ำแม่กลองบริเวณท่าราบ
(GPS 47P 0588445 , 1501255)
- สถานี 21152968-1 : คลองบางป่า : หินี่จุดป่อย่างนี้ทั้ง
(GPS 47P 0593772 , 1501462)
- สถานี 21152968-2 : คลองบางป่า : จุดป่อย่างนี้ทั้ง
(GPS 47P 0593523 , 1501000)
- สถานี 21152968-3 : คลองบางป่า : หินี่จุดป่อย่างนี้ทั้ง
(GPS 47P 0593840 , 1500128)

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

.....
(นางสาวกนกวรรณ ขาวด้อม)
ผู้วิเคราะห์

.....
(นางอภิญญา 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

รายงานผลการวิเคราะห์แพลงก์ตอนสัตว์

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 18 มกราคม 2565)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)		
	21152964-1	21152968-1	21152968-3
Phylum Protozoa			
Subphylum Plasmodroma			
Class Sarcodina			
Subclass Rhizopoda			
Order Testacida			
Family Arcellidae			
1. <i>Arcella</i> sp.	16,000	-	26,000
2. <i>Arcella vulgaris</i>	-	-	66,000
Family Diffugiidae			
3. <i>Diffugia lobostoma</i>	-	13,000	13,000
Family Euglyphidae			
4. <i>Euglypha acanthophora</i>	25,000	-	17,000
5. <i>Euglypha rotunda</i>	16,000	-	-

ตาราง ผลการวิเคราะห์เพลงก้นสัตว์ (เก็บตัวอย่างวันที่ 18 มกราคม 2565)
(ต่อ)

ชนิดเพลงก้นสัตว์	ปริมาณเพลงก้นสัตว์ (หน่วยต่อลูกบาทก้นเมตร)			
	21152964-1	21152968-1	21152968-2	21152968-3
Subclass Actinopoda				
Order Heliozoida				
Family Actinophryidae				
6. <i>Actinosphaerium etchhomi</i>	-	-	83,000	-
Subphylum Ciliophora				
Class Ciliata				
Subclass Holotricha				
Order Gymnostomatida				
7. <i>Coleps</i> sp.	-	13,000	17,000	13,000
Subclass Peritrichida				
Order Peritrichida				
8. <i>Carchesium</i> sp.	8,000	-	-	-
Phylum Rotifera				
Class Monogononta				
Order Ploima				
Family Brachionidae				
9. <i>Anuraeopsis fissa</i>	-	26,000	33,000	-
10. <i>Brachionus angularis</i>	-	-	17,000	13,000
11. <i>Brachionus calyciflorus</i>	-	13,000	33,000	-
12. <i>Brachionus caudatus</i>	-	-	17,000	-
13. <i>Brachionus falcatus</i>	-	-	17,000	-
14. <i>Brachionus forficula</i>	-	-	-	13,000
15. <i>Brachionus plicatilis</i>	-	26,000	17,000	-
16. <i>Coturella obtusa</i>	8,000	-	-	-
17. <i>Keratella valga</i>	-	-	-	26,000
Family Lecanidae				
18. <i>Lecane inermis</i>	-	-	17,000	13,000

ตาราง ผลการวิเคราะห์เพลงก้นสัตว์ (เก็บตัวอย่างวันที่ 18 มกราคม 2565)
(ต่อ)

ชนิดเพลงก้นสัตว์	ปริมาณเพลงก้นสัตว์ (หน่วยต่อลูกบาทก้นเมตร)			
	21152964-1	21152968-1	21152968-2	21152968-3
19. <i>Lecane</i> sp.	-	-	17,000	-
Family Notommatidae				
20. <i>Scaridium longicaudum</i>	8,000	-	-	-
Family Tricocercidae				
21. <i>Trichocerca pusilla</i>	-	-	50,000	13,000
Family Gastropodiidae				
22. <i>Ascomorpha saltans</i>	-	-	33,000	-
Family Asplanchnidae				
23. <i>Asplanchna priodonta</i>	-	-	-	26,000
Family Synchaetidae				
24. <i>Polyarthra dolichoptera</i>	-	129,000	17,000	26,000
25. <i>Polyarthra vulgaris</i>	-	323,000	50,000	166,000
26. <i>Synchaeta</i> sp.	-	-	33,000	13,000
Order Flosculariaceae				
Family Testudinellidae				
27. <i>Testudinella patina</i>	-	-	-	26,000
Class Digononta				
Family Philodinidae				
28. <i>Rotaria rotatoria</i>	8,000	-	50,000	-
Phylum Arthropoda				
Class Crustacea				
Subclass Branchiopoda				
Order Diplostraca				
Suborder Cladocera				
Family Moinidae				
29. <i>Moina macrocapa</i>	-	-	17,000	-

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 18 มกราคม 2565)
(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)		
	21152964-1	21152968-1	21152968-2
Subclass Ostracoda			
Order Pogocopa			
Family Cypridae			
30. <i>Cypridopsis</i> sp.	-	-	-
Subclass Copepoda			
31. Copepod nauplii	8,000	13,000	-
Order Cyclopoida			
32. Cyclopoid copepod	8,000	-	33,000
ชนิดแพลงก์ตอนสัตว์	9	8	20
ปริมาณแพลงก์ตอนสัตว์	105,000	556,000	634,000
ดัชนีความหลากหลายแพลงก์ตอนสัตว์	2.0920	1.2922	2.8422
ดัชนีความสม่ำเสมอแพลงก์ตอนสัตว์	0.9521	0.6214	0.9488
			0.8590

Sample Location : 1. สถานี 21152964-1 : แม่น้ำแม่กลองบริเวณท่าราบ

(GPS 47P 0588445, 1501255)

2. สถานี 21152968-1 : คลองบางป่า : เหนือจุดปล่อยน้ำทิ้ง

(GPS 47P 0593772, 1501462)

3. สถานี 21152968-2 : คลองบางป่า : จุดปล่อยน้ำทิ้ง

(GPS 47P 0593523, 1501000)

4. สถานี 21152968-3 : ได้จุดปล่อยน้ำทิ้ง

(GPS 47P 0593840, 1500128)

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

.....

(นางสาวกนกวรรณ ขาวด้อม)

ผู้วิเคราะห์

.....

(นายอลงกต อินทรชาติ)

หัวหน้าสถานีวิจัยประมงสัตว์น้ำ



สถานีวิจัยประมงสัตว์น้ำ
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 18 มกราคม 2565)

ชนิดสัตว์น้ำวัยอ่อน	ปริมาณสัตว์น้ำวัยอ่อน (เซลล์ต่อลูกบาศก์เมตร)
	21152964-1
Phylum Arthropoda	
Class Crustacea	
Subclass Copepoda	
Copepod nauplii	8,000
ชนิดสัตว์น้ำวัยอ่อน	1
ปริมาณสัตว์น้ำวัยอ่อน	8,000

Sample Location : 1. สถานี 21152964-1 : แม่น้ำแม่กลองบริเวณท่าราบ (GPS 47P 0588445, 1501255)

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

.....

(นางสาวกนกวรรณ ขาวด้อม)

ผู้วิเคราะห์

.....

(นายอลงกต อินทรชาติ)

หัวหน้าสถานีวิจัยประมงสัตว์น้ำ



สถานีย่อยประเมินผล

101/12 หมู่ 9 ต. บึงพระ อ. ศรีวิภา จ. ชลบุรี 20110

โทร./โทรสาร. (038) 311379

Client: Ratchaburi Power Co., Ltd.

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

Project Name: Monitoring EIA

รายงานผลการประเมินผล
ครั้งที่ 18 มกราคม 2565 (เก็บตัวอย่างวันที่ 18 มกราคม 2565)

วงศ์	ชื่อวิทยาศาสตร์	ชื่อภาษาไทย	การแพร่กระจายในพื้นที่
พืชน้ำ			
Convolvulaceae	<i>Ipomoea aquatica</i>	ผักนึ่ง	+
Pontederiaceae	<i>Eichhornia crassipes</i>	ผักนวล	+
Commelinaceae	<i>Commelina diffusa</i>	ผักปลาใบแคบ	+

วงศ์	ชื่อวิทยาศาสตร์	ชื่อภาษาไทย	การแพร่กระจายในพื้นที่
21152964-1			

ครั้งที่ 18 มกราคม 2565 (เก็บตัวอย่างวันที่ 18 มกราคม 2565) (ต่อ)

Poaceae	<i>Arundo donax</i>	อ้อ	+
	<i>Brachiaria nutica</i>	หญ้าขน	++
	<i>Brachiaria reptans</i>	หญ้าตีนตุ๊ก	+
	<i>Leptochloa chinensis</i>	หญ้าดอกขาว	++
Polygonaceae	<i>Polygonum tomentosum</i>	เลียงผา	+
Thelypteridaceae	<i>Thelypteris interrupta</i>	ผักกูด	+
รวมจำนวนชนิดพืชในพื้นที่ทั้งหมด			
			9

1. สถานี 21152964-1 : แม่น้ำแม่กลองบริเวณท่าเรือ (GPS 47P 0588445, 1501255)

Condition of Sample : Data sheet

.....
สมชาย นามะ
(นายสมชาย นามะ)

.....
สมชาย นามะ
(นายสมชาย นามะ)

ผู้ตรวจ

หัวหน้าสถานีประเมินผล



สถานีวิทยุประมงศรีราชา
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

รายงานผลการวิเคราะห์สัตว์น้ำดิน
ตาราง ผลการวิเคราะห์สัตว์น้ำดิน (เก็บตัวอย่างวันที่ 18 มกราคม 2565)

ชนิดสัตว์น้ำดิน	ปริมาณสัตว์น้ำดิน (ตัวต่อตารางเมตร)			
	21152972-1	21152973-1	21152973-2	21152973-3
Phylum Annelida				
Class Clitellata				
Order Lumbriculida				
Family Lumbriculidae				
Lumbriculus sp. (ไส้เดือนน้ำจืด)	-	60	208	60
Phylum Arthropoda				
Class Insecta				
Order Diptera				
Family Chironomidae				
Chironomus sp. (หนอนแดง)	45	-	-	15
Order Trichoptera				
Family Polycentropodidae				
Polycentropus sp. (ตัวอ่อนแมลงหนอนปลอกน้ำ)	15	-	-	-

ตาราง ผลการวิเคราะห์สัตว์น้ำดิน (เก็บตัวอย่างวันที่ 18 มกราคม 2565) (ต่อ)

ชนิดสัตว์น้ำดิน	ปริมาณสัตว์น้ำดิน (ตัวต่อตารางเมตร)			
	21152972-1	21152973-1	21152973-2	21152973-3
Class Malacostraca				
Order Decapoda				
Family Palaemonidae				
Macrobrachium sp. (กุ้งฝอย)	15	-	-	-
Family Parathelphusidae				
Somamitatheiphusa sp. (ปูชนิดหนึ่ง)	15	-	-	-
Phylum Mollusca				
Class Gastropoda				
Order Architenioglossa				
Family Bithyniidae				
Bithynia sp. (หอยไข่)	-	-	-	15
Family Thiaridae				
Tarebia sp. (หอยเจดีย์)	-	45	-	-
Family Viviparidae				
Trochotata sp. (หอยเวียน)	-	-	-	15
ชนิดสัตว์น้ำดิน	4	2	1	4
ปริมาณสัตว์น้ำดิน	90	105	208	105
ค่าดัชนีความหลากหลายสัตว์น้ำดิน	1.2425	0.6829	0.0000	1.1537

Sample Location : 1. สถานี 21152972-1 : แม่น้ำแม่กลองบริเวณท่าราชม
(GPS 47P 0588445, 1501255)
2. สถานี 21152973-1 : คลองบางป่า : เหนือจุดปล่อยน้ำทิ้ง
(GPS 47P 0593772, 1501462)
3. สถานี 21152973-2 : คลองบางป่า : จุดปล่อยน้ำทิ้ง
(GPS 47P 0593523, 1501000)
4. สถานี 21152973-3 : คลองบางป่า : ใต้จุดปล่อยน้ำทิ้ง
(GPS 47P 0593840, 1500128)

Condition of Sample : contained in one plastic zip bag

ดร.กฤษณ์ ปิ่นทอง

(นายอรุณวุฒิ กันทะวงศ์)

ผู้วิเคราะห์

ดร. อิมพร

(นายอลงกต อิมพรชาติ)

หัวหน้าเทคนิคนิวตริลประมงศรีราชา

บริเวณหน้าประตูระบายน้ำ และบริเวณหลังประตูระบายน้ำ
(นอกมาตรการ EIA)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O :
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 21152952
Date Received : Jan 18, 2022
Date Reported : Jan 24, 2022
Report Number : 2192479-1

Page 1 of 3

Sample Number 21152952-1
Sampled Date Jan 18, 2022 10:48 AM
Sample Description Surface Water
Location ตำบลบึงน้ำ : วัดบึงพระสุนทรราช (GPS 47P 0593438 , 1501022)
Date Analysis Commenced Jan 19, 2022
Condition of Sample 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
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	3	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	912	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.0	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C	-	-	-	8.1	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	31.6	n ¹	Based on APHA (2017), 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)

n¹: Change from Natural condition not more than 3 degree C

n : Not Change from natural condition

Sampled 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.

Siriluk P.

Approved by

Siriluk Puenggang
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 :
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 21152952
Date Received : Jan 18, 2022
Date Reported : Jan 24, 2022
Report Number : 2192479-1

Page 2 of 3

Sample Number 21152952-2
Sampled Date Jan 18, 2022 10:50 AM
Sample Description Surface Water
Location ตำบลบึงน้ำ : วัดบึงพระสุนทรราช (GPS 47P 0593490 , 1501002)
Date Analysis Commenced Jan 19, 2022
Condition of Sample 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
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	2	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	909	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.0	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C	-	-	-	8.1	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	30.8	n ¹	Based on APHA (2017), 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)

n¹: Change from Natural condition not more than 3 degree C

n : Not Change from natural condition

Sampled By : Norrasat Komal

Remark :
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- "≤" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Siriluk P.

Approved by

Siriluk Puenggang
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 : ฅงึญนญัรPCL-CM2021-003/SHE
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 2210284
Date Received : Feb 23, 2022
Date Reported : Mar 02, 2022
Report Number : 2213238-1

Page 1 of 3

Sample Number 2210284-1
Sampled Date Feb 23, 2022 9:50 AM
Sample Description Surface Water
Location ฅฅฅฅฅฅ : ฅฅฅฅฅฅฅฅ (GPS 47P 0593438 , 1501022)
Date Analysis Commenced Feb 24, 2022
Condition of Sample Contained in two BOD bottles, 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	4	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	716	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.7	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C	-	-	-	7.4	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	29.5	n ¹	Based on APHA (2017), 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)

n¹: Change from Natural condition not more than 3 degree C

n : Not Change from natural condition

Sampled By : Norrasat Komal

Remark :

- LOD : Limit of Detection
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Siriluk P.

Siriluk Puenggang
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 : ฅงึญนญัรPCL-CM2021-003/SHE
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 2210284
Date Received : Feb 23, 2022
Date Reported : Mar 02, 2022
Report Number : 2213238-1

Page 2 of 3

Sample Number 2210284-2
Sampled Date Feb 23, 2022 9:55 AM
Sample Description Surface Water
Location ฅฅฅฅฅฅ : ฅฅฅฅฅฅฅฅ (GPS 47P 0593490 , 1501002)
Date Analysis Commenced Feb 24, 2022
Condition of Sample Contained in two BOD bottles, 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	3	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	713	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.8	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C	-	-	-	7.7	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	29.7	n ¹	Based on APHA (2017), 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)

n¹: Change from Natural condition not more than 3 degree C

n : Not Change from natural condition

Sampled 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.

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Siriluk P.

Siriluk Puenggang
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Analysis / Test Report

TESTING

No.0009

Lot ID: 2213018

Date Received : Mar 15, 2022

Date Reported : Mar 22, 2022

Report Number: 2217820-1

Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tambol Barn - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาจ้างรื้อPCL-CH2021-003/SHE

Project Name : Monitoring EIA

Page 2 of 3

Sample Number	2213018-2						
Sample Date	Mar 15, 2022 9:50 AM						
Sample Description	Surface Water						
Location	คลองน้ำ : แหล่งธรรมชาติ (GPS 47P 0593490 , 1501002)						
Date Analysis Commenced	Mar 16, 2022						
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	<2	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	microhmhos/cm	-	0.5	1340	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.8	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	29.6	n ¹	Based on APHA (2017), 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)

Remark :

- LOD : Limit of Detection
- α_n^2 : 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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Supervisor

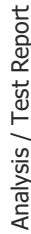
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Analysis / Test Report

TESTING
No.0009
Lot ID: 2223260
Date Received : Apr 26, 2022
Date Reported : May 04, 2022
Report Number : 2238492-1

Page 2 of 3

Sample Number	2223260-2						
Sample Date	Apr 26, 2022 9:10 AM						
Sample Description	Surface Water						
Location	คลองนาผา : แหล่งประจักษ์ (GPS 47P 0593490 , 150.1002)						
Date Analysis Commenced	Apr 27, 2022						
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	<2	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1048	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.2	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.1	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	30.1	n ¹	Based on APHA (2017), 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

Sampled By : Teerawat Puangsuk

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.

Siriluk P.

Approved by

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 : 40919449RPL-CM2021-003/SHE
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 2250117
Date Received : May 1F, 2022
Date Reported : May 26, 2022
Report Number : 22F5185-1

Page 1 of 3

Sample Number 2250117-1
Sampled Date May 1F, 2022 F:15 AM
Sample Description Surface 9 after
Location เวียงเก่า : หมู่ ๙ ตำบล ไร่ (PS 47P 05F3438 , 1501022 G
Date Analysis Commenced May 20, 2022
Condition of Sample Contained in two B) D bottles and two plastic bottles, sample containers comply to pretreatment - preservation standards: APHA, OSEPAG

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
B) D: 5 days at 20 degree CG U	mg/L	-	2	3	*2	Based on APHA: 2017G 5210 B	Bangkok
Conductivity at 25 degree C U	micromhos/cm	-	0.5	10F4	No Standard	Based on APHA: 2017G 2510 B	Bangkok
Dissolved) ygen U	mg/L	-	0.1	3.1	x 4	Based on APHA: 2017G 4500-) CG	Bangkok
pH at 25 degree C	-	-	-	7.6	5.0-F.0	Based on APHA: 2017G 4500-H BG	Bangkok
Temperature U	Degree C	-	-	2F.6	n≥	Based on APHA: 2017G 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 (overnment (aettle, zol. 111, Part 16, Dated February 24, B.E. 2537' Class 3G
n: Change from Natural condition not more than 3 degree C
n: Not Change from natural condition

Sampled By : Norrasat Komal

Remark :
- L) D : Limit of Detection
- "e" : Lower than L) : Limit of Reporting
- Analyte smarked Uis are not included in scope of Accreditation IS) /IEC 17025.
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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 : 40919449RPL-CM2021-003/SHE
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 2250117
Date Received : May 1F, 2022
Date Reported : May 26, 2022
Report Number : 22F5185-1

Page 2 of 3

Sample Number 2250117-2
Sampled Date May 1F, 2022 F:20 AM
Sample Description Surface 9 after
Location เวียงเก่า : หมู่ ๙ ตำบล ไร่ (PS 47P 05F34F0 , 1501002 G
Date Analysis Commenced May 20, 2022
Condition of Sample Contained in two B) D bottles and two plastic bottles, sample containers comply to pretreatment - preservation standards: APHA, OSEPAG

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
B) D: 5 days at 20 degree CG U	mg/L	-	2	2	*2	Based on APHA: 2017G 5210 B	Bangkok
Conductivity at 25 degree C U	micromhos/cm	-	0.5	1062	No Standard	Based on APHA: 2017G 2510 B	Bangkok
Dissolved) ygen U	mg/L	-	0.1	2.3	x 4	Based on APHA: 2017G 4500-) CG	Bangkok
pH at 25 degree C	-	-	-	7.6	5.0-F.0	Based on APHA: 2017G 4500-H BG	Bangkok
Temperature U	Degree C	-	-	2F.5	n≥	Based on APHA: 2017G 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 (overnment (aettle, zol. 111, Part 16, Dated February 24, B.E. 2537' Class 3G
n: Change from Natural condition not more than 3 degree C
n: Not Change from natural condition

Sampled By : Norrasat Komal

Remark :
- L) D : Limit of Detection
- "e" : Lower than L) : Limit of Reporting
- Analyte smarked Uis are not included in scope of Accreditation IS) /IEC 17025.
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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 : 80914491RCL-CM2021-003/SHE
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 2257866
Date Received : Jun 16, 2022
Date Reported : Jun 23, 2022
Report Number : 2354598-1

Page 1 of 1

Sample Number 2257866-1
Sampled Date Jun 16, 2022 9:15 AM
Sample Description Surface Water
Location คลองน้ำ : พัดน้ำประตูน้ำ (GPS 47P 0593438 , 1501022)
Date Analysis Commenced Jun 16, 2022
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	3	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	836	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.3	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C	-	-	-	7.3	5.0-9.0	Based on APHA (2017), 4500-H (b)	Bangkok
Temperature *	Degree C	-	-	30.1	n'	Based on APHA (2017), 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

Sampled By : Norrasat Komai

Remark :
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Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
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P/O : 80914491RCL-CM2021-003/SHE
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 2257866
Date Received : Jun 16, 2022
Date Reported : Jun 23, 2022
Report Number : 2354599-1

Page 1 of 1

Sample Number 2257866-2
Sampled Date Jun 16, 2022 9:20 AM
Sample Description Surface Water
Location คลองน้ำ : พัดน้ำประตูน้ำ (GPS 47P 0593490 , 1501002)
Date Analysis Commenced Jun 16, 2022
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	2	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	939	80 Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.9	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C	-	-	-	7.4	5.0-9.0	Based on APHA (2017), 4500-H (b)	Bangkok
Temperature *	Degree C	-	-	30.2	n'	Based on APHA (2017), 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

Sampled By : Norrasat Komai

Remark :
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Supervisor

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บริเวณคลองบางป่า 3 จุด (นอกมาตรการ EIA)



Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Bann - Rai, Amphur Damnoen Saduak, Ratchaburi Thailand 70130
P/O : 40914449RPL-CM2021-003/SHE
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 2210295
Date Received : Feb 23, 2022
Date Reported : Mar 02, 2022
Report Number : 2213253-1

Page 1 of 2

Sample Number 2210295-1
Sampled Date Feb 23, 2022 10:05 AM
Sample Description Surface Water
Location บึงต้นกล้วยคลองสวนปลา : เพาะปลูกปลาหน้าฟาร์ม 1 km (GPS 47P 0593772 , 1501462)
Date Analysis Commenced Feb 24, 2022
Condition of Sample Contained in two plastic bottles and two BOD 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	3	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	670	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.5	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C	-	-	-	7.7	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	29.6	n ¹	Based on APHA (2017), 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)

n¹: Change from Natural condition not more than 3 degree C

n : Not Change from natural condition

Sampled 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.

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Approved by

Siriluk Puenggang
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 : 40914449RPL-CM2021-003/SHE
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 2210295
Date Received : Feb 23, 2022
Date Reported : Mar 02, 2022
Report Number : 2213253-1

Page 2 of 2

Sample Number 2210295-2
Sampled Date Feb 23, 2022 9:40 AM
Sample Description Surface Water
Location บึงต้นกล้วยคลองสวนปลา : ใต้สถานีสูบน้ำฟาร์ม 1 km (GPS 47P 0593840 , 1500128)
Date Analysis Commenced Feb 24, 2022
Condition of Sample Contained in two plastic bottles and two BOD 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	2	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1123	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.0	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C	-	-	-	7.5	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	29.8	n ¹	Based on APHA (2017), 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)

n¹: Change from Natural condition not more than 3 degree C

n : Not Change from natural condition

Sampled 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.

Siriluk P.

Approved by

Siriluk Puenggang
Supervisor

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Analysis / Test Report

Client : Ratchaburi Power Co., Ltd.
245 Moo 6, Tumbol Barn - Raj, Amphur Damnoen Saduak, Ratchaburi Thailand 70130

P/O : สัญญาจ้างPCL-CH2021-003/SHE

Project Name : Monitoring EIA

Project Location :

Page 1 of 2

Sample Number	2213020-1
Sampled Date	Mar 15, 2022 10:05 AM
Sample Description	Surface Water
Location	น้ำผืนน้ำบริเวณคลองน้ำ : หนองปลาหมอท่า 1 km (GPS 47P-0593772 , 1501462)
Date Analysis Commenced	Mar 16, 2022
Condition of Sample	Contained in two BOD bottles and two plastic bottles, sample containers comply to USEPA

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	4	≤2	Based on APHA (2017), 5210-B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	860	No Standard	Based on APHA (2017), 2510-B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.7	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.8	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	29.6	n ¹	Based on APHA (2017), 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)

Sampled By : Norraset Komal

- LOD : Limit of Detection
- " $<L$ " : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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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 : หน่วยงาน RCL-CM2021-003/SH
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 2213020
Date Received : Mar 15, 2022
Date Reported : Mar 22, 2022
Report Number : 2217826-1

Page 2 of 2

Sample Number 2213020-2
Sampled Date Mar 15, 2022 9:40 AM
Sample Description Surface Water
Location บ้านหินตั้งคลองสวนปลา : ตำบลลำไทร 1 km (GPS 47P 0593840 , 1500128)
Date Analysis Commenced Mar 16, 2022
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	3	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	937	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.4	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C	-	-	-	7.6	5.0-9.0	Based on APHA (2017), 4500-H (b)	Bangkok
Temperature *	Degree C	-	-	29.5	n'	Based on APHA (2017), 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

Sampled 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.

Siriluk P.

Approved by

Siriluk Puengbang
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 :
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 2213022
Date Received : Mar 15, 2022
Date Reported : Mar 22, 2022
Report Number : 2217827-1

Page 1 of 3

Sample Number 2213022-1
Sampled Date Mar 15, 2022 8:55 AM
Sample Description น้ำผิวดิน
Location คลองสวนปลา : บ้านห้วยปลาหลด (GPS 47P 0593523 , 1501000)
Date Analysis Commenced Mar 16, 2022
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	<2	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1273	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.4	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C	-	-	-	7.8	5.0-9.0	Based on APHA (2017), 4500-H (b)	Bangkok
Temperature *	Degree C	-	-	28.7	n'	Based on APHA (2017), 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

Sampled By : Norrasat Komal

Remark :
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Approved by

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Supervisor

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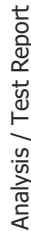
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Analysis / Test Report

TESTING
No.0009
Lot ID: 2223263
Date Received : Apr 26, 2022
Date Reported : May 04, 2022
Report Number : 2238506-1

Page 2 of 2

Sample Number	2223263-1						
Sampled Date	Apr 26, 2022 9:20 AM						
Sample Description	Surface Water						
Location	ปากวัดใหม่วัดคลองบาง : เพื่อบำบัดน้ำทิ้ง 1 km (GPS :7°P 0593'77.2 , 1501'46.2)						
Date Analysis Commenced	Apr 27, 2022						
Condition of Sample	Contained in two BOD bottles and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOG (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210-B	Bangkok
Conductivity at 25 degree C *	microhm/cm	-	0.5	563	No Standard	Based on APHA (2017), 2510-B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.8	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.1	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	30.1	n ^a	Based on APHA (2017), 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

Sampled By: Teerawat Puangsuk

Remark :

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Siriluk Puengpang
Supervisor

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Sample Number	2223263-2						
Sampled Date	Apr 26, 2022 8:40 AM						
Sample Description	Surface Water						
Location	น้ำผุดบริเวณคลองบางขี้ : โคกปล่องน้ำทั้ง 1 km (GPS 47P 0593840 , 1500128)						
Date Analysis Commenced	Apr 27, 2022						
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	<2	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	923	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.0	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.2	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	30.3	n ¹	Based on APHA (2017), 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

Sampled By : Teerawat Puangsuk

Remark :

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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 :
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 2223264
Date Received : Apr 26, 2022
Date Reported : May 04, 2022
Report Number : 2228516-1

Page 1 of 3

Sample Number 2223264-1
Sampled Date Apr 26, 2022 8:10 AM
Sample Description น้ำดิบ
Location คลองน้ำ : บริเวณจุดลำน้ำวัง (GPS 47P 0593523 , 1501000)
Date Analysis Commenced Apr 27, 2022
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	<2	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1080	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.1	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C	-	-	-	7.2	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	30.2	n ¹	Based on APHA (2017), 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)

n¹: Change from Natural condition not more than 3 degree C

n : Not Change from natural condition

Sampled By : Teerawat Puangsuk

Remark :
- LOD : Limit of Detection
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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 :
Project Name : Monitoring EIA
Project Location :

TESTING
No.0009
Lot ID: 2257881
Date Received : Jun 16, 2022
Date Reported : Jun 23, 2022
Report Number : 2312909-1

Page 1 of 9

Sample Number 2257881-1
Sampled Date Jun 16, 2022 8:50 AM
Sample Description น้ำดิบ
Location คลองน้ำ : บริเวณจุดลำน้ำวัง (GPS 47P 0593523 , 1501000)
Date Analysis Commenced Jun 16, 2022
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	3	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1081	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.7	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C	-	-	-	8.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	30.1	n ¹	Based on APHA (2017), 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)

n¹: Change from Natural condition not more than 3 degree C

n : Not Change from natural condition

Sampled 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

Tuanjai Thangklang
Manager

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



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: 21152952

Date Received : Jan 18, 2022

Date Reported : Jan 24, 2022

Report Number : 2192479-1

Page 3 of 3

Sample Number	21152952-3
Sampled Date	Jan 18, 2022 10:35 AM
Sample Description	Surface Water
Location	น้ำใต้จุดปล่อยน้ำทิ้ง 100-200 เมตร (ขณะที่ RGCO ปล่อยน้ำ) (GPS 47P 0593533 , 1500933)
Date Analysis Commenced	Jan 19, 2022
Condition of Sample	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
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2	<2	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1117	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	6.4	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C		-	-	8.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	30.6	n'	Based on APHA (2017), 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

Sampled 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

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 :

Lot ID: 2210284

Date Received : Feb 23, 2022

Date Reported : Mar 02, 2022

Report Number : 2213238-1

Page 3 of 3

Sample Number	2210284-3
Sampled Date	Feb 23, 2022 9:25 AM
Sample Description	Surface Water
Location	น้ำใต้จุดปล่อยน้ำทั้ง 100-200 เมตร (ขณะที่ RGCO ปล่อยน้ำ) (GPS 47P 0593533 , 1500933)
Date Analysis Commenced	Feb 24, 2022
Condition of Sample	Contained in two BOD bottles, 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	3	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1164	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	6.2	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.7	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	29.6	n'	Based on APHA (2017), 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

Sampled By : Norrasat Komal

Remark :

- LOD : Limit of Detection
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- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING
No.0009

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 :

Lot ID: 2213018

Date Received : Mar 15, 2022

Date Reported : Mar 22, 2022

Report Number : 2217820-1

Page 3 of 3

Sample Number	2213018-3
Sampled Date	Mar 15, 2022 9:30 AM
Sample Description	Surface Water
Location	น้ำใต้จุดปล่อยน้ำทั้ง 100-200 เมตร (ขณะที่ RGCO ปล่อยน้ำ) (GPS 47P 0593533 , 1500933)
Date Analysis Commenced	Mar 16, 2022
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	<2	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	928	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.6	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	29.3	n'	Based on APHA (2017), 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

Sampled 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.

Approved by

Siriluk P.

Siriluk Puenggang
Supervisor

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Analysis / Test Report

TESTING
No.0009

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 :

Lot ID: 2223260

Date Received : Apr 26, 2022

Date Reported : May 04, 2022

Report Number : 2238492-1

Page 3 of 3

Sample Number	2223260-3
Sampled Date	Apr 26, 2022 8:30 AM
Sample Description	Surface Water
Location	น้ำใต้จุดปล่อยน้ำทั้ง 100-200 เมตร (ขณะที่ RGCO ปล่อยน้ำ) (GPS 47P 0593533 , 1500933)
Date Analysis Commenced	Apr 27, 2022
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	<2	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1083	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	5.2	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.1	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	30.2	n'	Based on APHA (2017), 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

Sampled By : Teerawat Puangsuk

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.

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING
No.0009

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 :

Lot ID: 2250117

Date Received : May 19, 2022

Date Reported : May 26, 2022

Report Number : 2295185-1

Page 3 of 3

Sample Number	2250117-3
Sampled Date	May 19, 2022 8:50 AM
Sample Description	Surface Water
Location	น้ำใต้จุดปล่อยน้ำทั้ง 100-200 เมตร (ขณะที่ RGCO ปล่อยน้ำ) (GPS 47P 0593533 , 1500933)
Date Analysis Commenced	May 20, 2022
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	<2	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1015	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	2.8	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	29.8	n'	Based on APHA (2017), 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

Sampled By : Norrasat Komal

Remark :

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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
Supervisor



Analysis / Test Report

TESTING
No.0009

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 :

Lot ID: 2257866

Date Received : Jun 16, 2022

Date Reported : Jun 23, 2022

Report Number : 2354600-1

Page 1 of 1

Sample Number	2257866-3
Sampled Date	Jun 16, 2022 9:00 AM
Sample Description	Surface Water
Location	น้ำใต้จุดปล่อยน้ำทั้ง 100-200 เมตร (ขณะที่ RGCO ปล่อยน้ำ) (GPS 47P 0593533 , 1500933)
Date Analysis Commenced	Jun 16, 2022
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	5	≤2	Based on APHA (2017), 5210 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1196	No Standard	Based on APHA (2017), 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.7	≥4	Based on APHA (2017), 4500-O (C)	Bangkok
pH at 25 degree C		-	-	7.4	5.0-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Temperature *	Degree C	-	-	30.5	n'	Based on APHA (2017), 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

Sampled By : Norrasat Komal

Remark :

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Approved by

Siriluk P.

Siriluk Puenggang
Supervisor

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